

## Final Programme

European Congress of  
Clinical Microbiology  
and Infectious Diseases

**Vienna, Austria**  
**22 – 25 April 2017**

**ECCMID**



**27th**

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# ESCMID

MANAGING INFECTIONS  
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# Introduction

## Welcome Address

**Dear colleagues and friends,**

It is a great pleasure and privilege to welcome you to the 27th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID) in Vienna. As the organizers of the leading congress combining clinical microbiology and infectious diseases, we see it as our duty to continually increase the scientific excellence of our annual meeting. To achieve this goal, the ECCMID Programme Committee has selected the very best proposals for invited symposia, educational workshops and meet-the-expert sessions, and you will surely be equally excited by this year's timely top-notch keynote presentations by speakers from all over the world.

ECCMID will open with our popular educational workshops, which allow participants to become actively involved and get the maximum benefit from the interactive sessions. Organized by ESCMID's study groups, its trainee association TAE, and its subcommittees EUCIC and EUCAST, the workshops explore a wide range of topics and offer excellent networking opportunities in addition to their educational value. This is also true of the meet-the-expert sessions where participants are given the opportunity to exchange more personal views, ideas and experiences with renowned experts.

As in previous years, the most popular sessions will include the keynote lectures, presentations from Excellence and Young Investigator Awardees, Clinical Grand Rounds as well as our famous "Year in ..." Sessions. The keynote speeches will include presentations of HIV, innovative approaches to vaccines, the microbiome, tuberculosis therapies, hepatitis B, antimicrobial stewardship, genetics as well as ecological and economic aspects of antimicrobial resistance.

ECCMID provides a unique forum for scientific presentations and discussions for specialists from all disciplines in the fields of clinical microbiology and infectious diseases. We encourage you to be actively involved in the sessions so that our congress can reach its full potential to meet your professional needs and provide you with the skills, knowledge and expertise that will help you contribute to improving the diagnosis, treatment and prevention of infection-related diseases.

The venue Messe Wien is conveniently reachable by public transport from the historic city centre, a UNESCO World Heritage Site. We hope that after a day full of inspiring sessions and fruitful discussions you will have time to stroll through this spectacular city with its parks and palaces and visit some museums, concert halls or one of its famous coffee houses. We warmly welcome you to the City of Music and are excited that you are part of our annual highlight. Thank you for making this congress one of the top scientific events of the year.

**Mario Poljak**  
ESCMID President



**Winfried V. Kern**  
ECCMID Programme  
Director



**Jesús Rodríguez Baño**  
President-elect &  
Secretary General



## Important Addresses

### Congress Centre

Reed Messe Wien  
Messeplatz 1  
Vienna, Austria

### ECCMID Programme Director

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Center for Infectious Diseases & Travel Medicine  
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### ESCMID President

Prof Mario Poljak  
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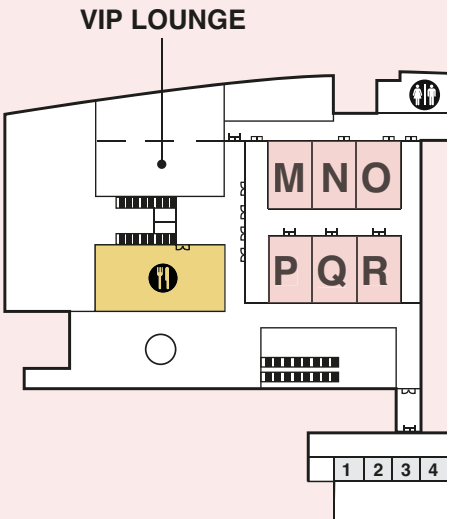
## Acknowledgements

The ECCMID Programme Committee is proud to acknowledge the scientific input from the following organizations in setting up the scientific programme and/or organizing joint workshops and symposia:

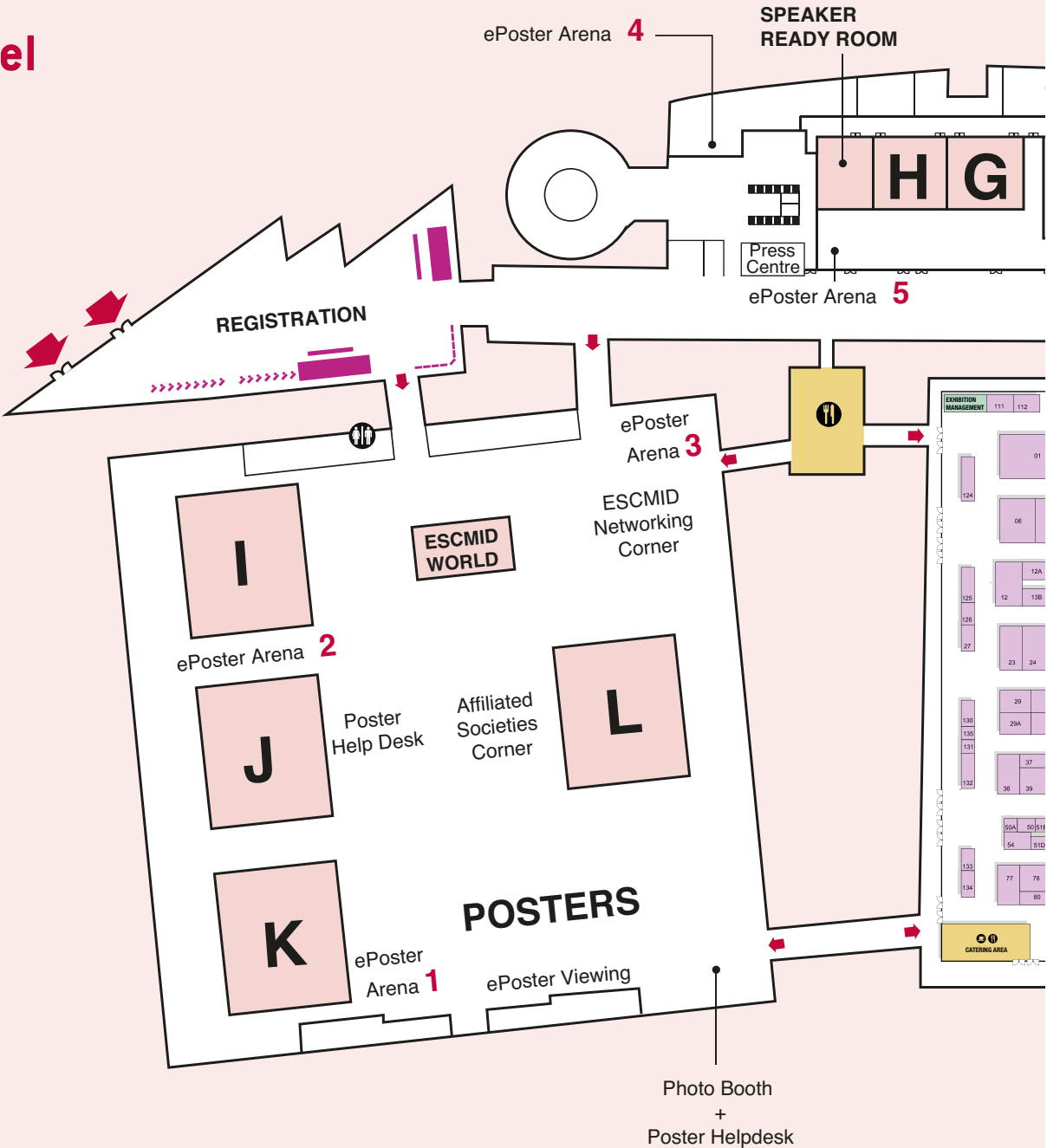
American Society for Microbiology (ASM)  
Brazilian Society of Infectious Diseases (SBI)  
Chinese Global Association for Clinical Microbiology and Infectious Diseases (CGACMID)  
Dutch Society of Medical Microbiology (NVMM)  
EU project “Platform for European Preparedness Against (Re-)emerging Epidemics” (PREPARE)  
European AIDS Clinical Society (EACS)  
European Association of Nuclear Medicine (EANM)  
European Centre for Disease Prevention and Control (ECDC)  
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European Committee on Infection Control (EUCIC)  
European Organisation for Research and Treatment of Cancer (EORTC)  
European Society of Clinical Virology (ESCV)  
European Society of Pathology (ESP)  
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Médecins sans Frontières (MSF)  
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Panamerican Association of Infectious Diseases (API)  
United European Gastroenterology (UEG)  
World Association for Infectious Diseases and Immunological Disorders (WAaidid)  
World Health Organization (WHO)

# Congress Venue Overview

## First Level



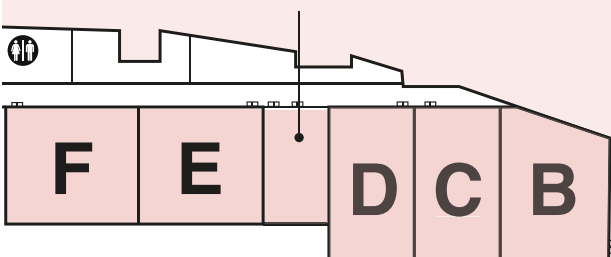
## Ground Level



## MEETING ROOMS

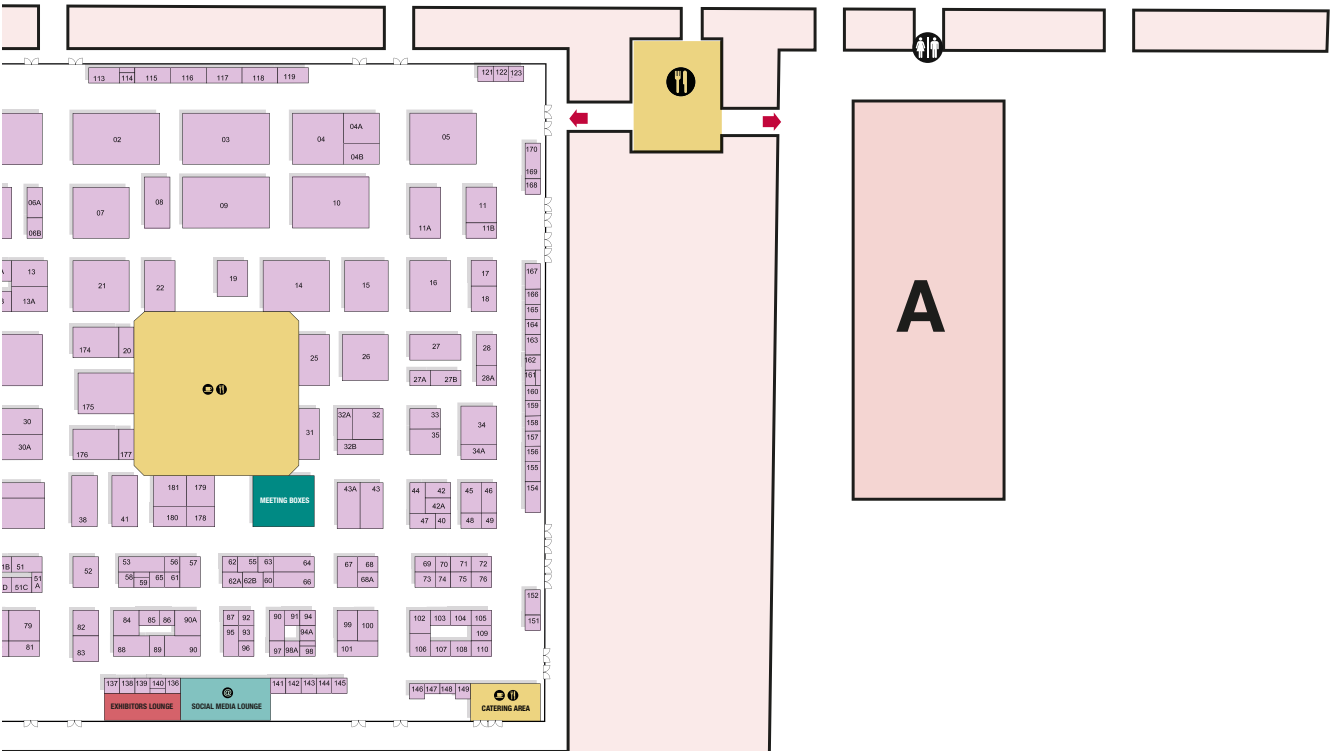
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### FOYER E



### ePoster Arena 6

### ePoster Terminal



## 28th ECCMID

**MADRID, SPAIN**

21 – 24 APRIL 2018

IFEMA – Feria de Madrid

## 29th ECCMID

**AMSTERDAM, NETHERLANDS**

13 – 16 APRIL 2019

RAI Amsterdam



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# Committees

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# What ESCMID can do for you around the clock



ESCMID

MANAGING INFECTIONS  
PROMOTING SCIENCE

[www.escmid.org](http://www.escmid.org)

# Awards and Grants

## 2017

### ESCMID Award for Excellence in Clinical Microbiology and Infectious Diseases 2017



**Thierry Calandra, MD, PhD**

ESCMID has selected Thierry Calandra as the 2017 ESCMID Excellence Awardee because he is an outstanding ID clinician and immunologist. Having graduated in medicine from the University of Lausanne, Switzerland, Thierry began his career at the Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne, Switzerland. Following his PhD from the University of Utrecht, the Netherlands, and five years as a senior scientist and assistant professor in the United States, he returned to the CHUV, where he was promoted to Professor of Medicine and Head of the Infectious Diseases Service; a great achievement.

#### Research interests

Thierry Calandra's research interests include innate immunity, sepsis and bacterial and fungal infections in critically ill and ICU patients and in immunocompromised hosts. As a clinical investigator, he led or was closely associated with the design, conducting and analyses of studies and clinical trials on the diagnosis, prevention and treatment of infections in neutropenic cancer patients, surgical and ICU patients and on immunomodulating therapies for patients with sepsis and septic shock.

As a translational scientist, his research projects focused on innate immunity and on the pathogenesis and treatment of sepsis. He explored the sensing of microbial products (lipopolysaccharide, exotoxins) by pattern recognition molecules and receptors (LPS binding proteins, CD14, Toll-like receptors) expressed by innate immune cells, and the role played by proinflammatory mediators, particularly the cytokine macrophage migration inhibitory factor, in the host defense response against microbial pathogens.

#### Publications

Thierry is both a reviewer for and contributor to numerous influential international journals. Since writing significant papers on this topic

in 1993 and 1995 in *Nature*, Thierry has made an exceptional and sustained contribution to understanding the role of macrophage inhibitory factor (MIF) in infection with over 60 articles, including in the *Proceedings of the National Academy of Sciences USA*, in which two of his articles were published on MIF in 2016. He also provides reviews for four national agencies in Switzerland, France, Germany and the United Kingdom. His published work includes nearly 300 monographs, book chapters, original articles and reviews in such prestigious journals as the *New England Journal of Medicine* and *Journal of the American Medical Association* (in particular on the treatment of severe bacterial and fungal infections in the immunocompromised host), *The Lancet*, *Nature*, *Nature Medicine*, *The Journal of Experimental Medicine*, *Blood*, *Clinical Infectious Diseases*, *The Journal of Infectious Diseases* and *Intensive Care Medicine*, resulting in 28,693 citations and an H index of 72.

#### Leadership roles

Thierry is, or has been, a member of more than a dozen Swiss and international societies covering his range of interests, from internal medicine, the immunocompromised host, microbiology, infectious diseases, intensive care medicine and macrophage and dendritic cells. In the past 15 years he has contributed particularly to the Société Suisse d'infectiologie, the Fungal Infection Network of Switzerland, the International Immunocompromised Host Society, the European Organization for Research and Treatment of Cancer (EORTC) and the International Sepsis Forum by serving a term as president, chair or council member.

#### Honours

It is unsurprising that a scientist of this calibre should have received great recognition already. Thierry has won honours and generous funding from the Swiss National Science Foundation (for MIF research) as well as half a dozen awards. His work as investigator or co-investigator is clearly recognized by substantial grants from, among others, the European Community, Sepsis Academy and the Bill & Melinda Gates Foundation. We are pleased to add the ESCMID Excellence Award to this impressive list.

**Thierry Calandra will be presented his award at the 27th ECCMID in Vienna by Mario Poljak, ESCMID President, on Sunday, 23 April 2017 at 14:30–15:30. During this ceremony he will give his recipient's lecture: *Sepsis: making progress, but not there yet!***



# ESCMID Young Investigator Awards for Research in Clinical Microbiology and Infectious Diseases 2017



**Céline Pulcini, Nancy, France**

Céline is a full professor in infectious diseases in Nancy, France, who has shown a very strong interest in antimicrobial stewardship, both at national and international level. She is secretary of ESGAP (the ESCMID Study Group for Antibiotic Policies), and she coordinates the Antimicrobial Stewardship working group of the French infectious diseases society (SPILF). The French Ministry of Health, the ECDC and the WHO have all utilized her expertise.

Céline has been researching antimicrobial stewardship and vaccination practices for more than ten years, and she is leading an interdisciplinary research team on these topics. She is author/co-author in more than 130 international publications and became associate editor for *Clinical Microbiology and Infection* in 2016.

Céline will receive her award during the ESCMID Young Investigator Awards Session at ECCMID on 25 April 2017 from 11.30 – 12.30 in Hall K. During the session, she will give her presentation:

**Antimicrobial stewardship: think globally and interdisciplinarily.**



**David Eyre, Oxford, United Kingdom**

David studied medicine in Cambridge, then Oxford, where he is currently near completing his specialist training in infectious diseases and microbiology. David obtained his DPhil from the University of Oxford in 2013, funded by an NIHR fellowship. During this, he demonstrated, using whole-genome sequencing, that most *Clostridium difficile* infections do not arise from other cases in endemic settings. He is currently a NIHR clinical lecturer within the Modernising Medical Microbiology group in Oxford. His previous awards include an IDSA International Young Investigator Award, and the British Infection Association Barnett Christie prize for excellence in original research. His publications have been cited over 1,700 times.

David's research is focused on identifying sources and risk factors for transmission of healthcare-associated infections, including *C. difficile* and carbapenemase-producing Enterobacteriaceae. His work combines patient and environmental contact data with whole-genome sequencing, aiming to identify rational interventions to reduce spread of healthcare-associated infections.

David will receive his award during the ESCMID Young Investigator Awards Session at ECCMID on 25 April 2017 from 11.30 – 12.30 in Hall K. During the session, he will give his presentation:

**Tracking the source of *Clostridium difficile* infection.**



**Mario Fernandez Ruiz, Madrid, Spain**

Mario Fernández Ruiz received his MD from the Universidad Autónoma de Madrid in 2004 and completed his residency in Internal Medicine in 2010. He did a two-year fellowship in "Infectious Diseases in the Immuno-compromised Host" under the direction of Professor José María Aguado. He also underwent a five-month Clinical Observership at the Multi-Organ Transplant Program, Toronto General Hospital, under the supervision of Dr. Atul Humar. He is currently supported by a research grant "Juan Rodés" from the Spanish Clinical Research Council (Instituto de Salud Carlos III) and develops his research and clinical activities at the Unit of Infectious Diseases of the University Hospital "12 de Octubre", in Madrid.

Mario's main research lines include the clinical and therapeutic aspects of invasive fungal disease (particularly candidaemia), as well as the development and validation of immune monitoring strategies aimed at predicting the occurrence of infectious complications in solid organ transplant recipients. In 2014 he was awarded with the "Young Internist of the Year" award from the Spanish Society of Internal Medicine.

Mario will receive his award during the ESCMID Young Investigator Awards Session at ECCMID on 25 April 2017 from 11.30 – 12.30 in Hall K. During the session, he will give his presentation:

**Predicting post-transplant infection: to boldly go where no graft has gone before.**

# ESCMID TAE Awards for Training Achievements 2017



**Aleksandra Barac**

Clinic for Infectious and Tropical Diseases  
Clinical Centre of Serbia and Faculty of Medicine  
University of Belgrade  
Belgrade, Serbia



**Paola Tatarelli**

Division of Infectious Disease  
University of Genova  
IRCCS San Martino-IST  
Genova, Italy

# ISF Sepsis Award



The International Sepsis Forum (ISF) a non-profit public American charity with a mission to improve outcomes for patients with sepsis. Its award gives the recipient USD 500 and the opportunity to present their work orally during the ISF/ECCMID joint session. Sandra Asner's successful abstract, addressing the burden of pneumococcal sepsis amongst children in the Swiss Pediatric Sepsis study (SPSS), stems from her collaboration as primary investigator with the Pediatric Infectious Diseases Group of Switzerland (PIGS). She is currently Head of the Pediatric Infectious Diseases & Vaccinology Unit at Lausanne University Hospital in Switzerland, where she is also responsible for teaching and research. Following her medical doctorate in 2008, she specialized in paediatrics and then infectious diseases at Bern University before pursuing a clinical and research fellowship in paediatric infectious diseases at the Hospital for Sick Children in Toronto and obtaining an MSc in Clinical Research from McMaster University, Hamilton, Canada. Sandra Asner's research focuses on respiratory infections in immunocompromised children and those with Cystic Fibrosis (CF). Her involvement in the MUCOVIB multicentre project, investigating the contribution of respiratory viruses and intracellular bacteria on bacterial biodiversity changes in CF respiratory microbiota over time, earned her a prestigious grant from the Leenaards Foundation in Switzerland.

**Sandra Asner will be presented her award at the 27th ECCMID in Vienna on Monday, 24 April 2017 at 11:30 and will present her abstract.**



# Travel Grant Awardees 2017

The ECCMID travel grant programme is sponsored by the European Society of Clinical Microbiology and Infectious Diseases (ESCMID). Grants were awarded to those with outstanding abstracts.

**Ajayi**, Modupe (Leeds, United Kingdom)  
**Akinosoglou**, Karolina (Rio, Greece)  
**Alvarez-Fraga**, Laura (A Coruña, Spain)  
**Ambre**, Jousselin (Oeiras, Portugal)  
**Aydin**, Seyid (London, United Kingdom)  
**Azimi**, Shohre (Tehran, Iran)  
**Babu Rajendran**, Nithya (Tübingen, Germany)  
**Bartoletti**, Michele (Bologna, Italy)  
**Biniossek**, Lea (Cologne, Germany)  
**Bitterman**, Roni (Haifa, Israel)  
**Bordallo Cardona**, M<sup>a</sup> Angeles (Madrid, Spain)  
**Brendish**, Nathan (Southampton, United Kingdom)  
**Burkert**, Francesco Robert (Tübingen, Germany)  
**Chao**, Andrew (Houston, United States)  
**Chernyaeva**, Ekaterina (St. Petersburg, Russian Federation)  
**Chuang**, Chien (Taipei, Taiwan)  
**Ciofi-Silva**, Caroline Lopes (São Paulo, Brazil)  
**Coppens**, Jasmine (Wilrijk, Belgium)  
**Dauby**, Nicolas (Brussels, Belgium)  
**Davies**, Timothy James (Abingdon, United Kingdom)  
**Duvignaud**, Alexandre (Bordeaux, France)  
**Escolà-Vergé**, Laura (Barcelona, Spain)  
**Evans**, Benjamin (Norwich, United Kingdom)  
**Eyre**, David (Oxford, United Kingdom)  
**Fabrizio**, Claudia (Taranto, Italy)  
**Forget**, Virginie (Grenoble, France)  
**Frasson**, Ilaria (Padova, Italy)  
**Gago**, Sara (Manchester, United Kingdom)  
**García**, Patricia (A Coruña, Spain)  
**García-Fernández**, Sergio (Madrid, Spain)  
**Garoff**, Linnéa (Uppsala, Sweden)  
**Gerson**, Stefanie (Cologne, Germany)  
**Ghodousi**, Arash (Milan, Italy)  
**Gillis**, Meyke (Cologne, Germany)  
**Giordano**, Cesira (Pisa, Italy)  
**Gits-Muselli**, Maud (Paris, France)  
**Gnana Soundari**, Palani (Chennai, India)  
**Gomez**, Carlos (Stanford, United States)  
**González Díaz**, Aida (Barcelona, Spain)  
**González González**, Ana (Madrid, Spain)  
**Gsaller**, Fabio (Manchester, United Kingdom)  
**Gundogdu**, Aycan (Kayseri, Turkey)  
**Gupta**, Nitin (New Delhi, India)  
**Heldt**, Sven (Graz, Austria)  
**Hoenigl**, Martin (Graz, Austria)  
**Hotterbeekx**, An (Wilrijk, Belgium)  
**Kasztelewicz**, Beata (Warsaw, Poland)  
**Klinger-Strobel**, Mareike (Jena, Germany)  
**Kniazeva**, Volha (Minsk, Belarus)  
**Krutikov**, Maria (London, United Kingdom)  
**Kwong**, Jason (Melbourne, Australia)  
**Larentis**, Thomas (Innsbruck, Austria)  
**Liakopoulos**, Apostolos (Lelystad, Netherlands)  
**Lopez**, Maria (A Coruña, Spain)  
**Los-Arcos**, Ibai (Barcelona, Spain)  
**Ludden**, Catherine (London, United Kingdom)  
**Martínez Guitián**, Marta (Bergondo, Spain)  
**Mataraci-Kara**, Emel (Istanbul, Turkey)  
**Matono**, Takashi (Tokyo, Japan)  
**Meinel**, Dominik (Basel, Switzerland)  
**Mokhov**, Alexey (St. Petersburg, Russian Federation)  
**Monnier**, Annelie Alicia (Nijmegen, Netherlands)  
**Motos Galera**, Ana (Barcelona, Spain)  
**Muri**, Lukas (Bern, Switzerland)  
**Nakamura**, Akihiro (Tenri, Japan)  
**Nøstvedt Ramstad**, Silje (Oslo, Norway)  
**Nurbaeti**, Siti Nani (Poitiers, France)  
**Nurjadi**, Dennis (Heidelberg, Germany)  
**Ortega Roco**, Lucía (Vaxjö, Sweden)  
**Ory**, Jerome (Clermont-Ferrand, France)  
**Peeters**, Bart (Leuven, Belgium)  
**Piersigilli**, Giorgia (Turin, Italy)  
**Poortahmasebi**, Vahdat (Tehran, Iran)  
**Póvoa Cabral**, Maria Clara (A Coruña, Spain)  
**Pybus**, Simon (Liverpool, United Kingdom)  
**Rawson**, Timothy (London, United Kingdom)  
**Recanatini**, Claudia (Ancona, Italy)  
**Rees**, Vanessa (Wyndham Vale, Australia)  
**Reigadas**, Elena (Madrid, Spain)  
**Rodrigues**, Carla (Porto, Portugal)  
**Rodriguez Goncer**, Isabel (Manchester, United Kingdom)  
**Roizman**, Dan (Singapore, Singapore)  
**Salzer**, Helmut J. F. (Borstel, Germany)  
**Sauvage**, Océane (Montpellier, France)  
**Savoldi**, Alessia (Tübingen, Germany)  
**Shaw**, Robert (Oxford, United Kingdom)  
**Sheppard**, Anna (Oxford, United Kingdom)  
**Simon**, Maria (Madrid, Spain)  
**Siopi**, Maria (Athens, Greece)  
**Sips**, Meander Esmée (Utrecht, Netherlands)  
**Stein**, Katharina (Dublin, Ireland)  
**Suardi**, Lorenzo Roberto (Bergamo, Italy)  
**Takebayashi**, Yuiko (Bristol, United Kingdom)  
**Tatarelli**, Paola (Genoa, Italy)  
**Tebano**, Gianpiero (Paris, France)  
**Tong**, Deborah (Gosford, Australia)  
**Trinh**, Trang (Detroit, United States)  
**Tuysuz**, Mayram (Istanbul, Turkey)  
**Vazquez-Ucha**, Juan C. (A Coruña, Spain)  
**Vidal-García**, Matxalen (Zaragoza, Spain)  
**Wagenvoort**, Gertjan (Utrecht, Netherlands)  
**Wille**, Thorsten (Cologne, Germany)  
**Xanthopoulou**, Kyriaki (Cologne, Germany)  
**Young**, Bernadette (Oxford, United Kingdom)

# Scientific Programme

## CME Accreditation

### Educational Objectives

After attending this event, participants should be able to:

- Address individual needs in compliance with their continuous professional development (CPD) plan
- Exchange ideas and knowledge in the field of clinical microbiology and infectious diseases across continents, institutions, and individuals
- Discuss the latest research outcomes in the field of antimicrobials, molecular biology, virology and infection control
- Discuss the latest research outcomes in the field of infectious diseases and clinical microbiology
- Discuss outcomes of the latest studies in Europe in the field of public health and vaccines
- Summarize good and bad immune responses
- Discuss diagnostics, therapeutics and prevention of infectious diseases

### Target Audience

ECCMID 2017 is the global meeting place for clinical microbiologists, specialists of infectious diseases and related fields. Because of the diverse, clinically focused educational offering, participants are able to tailor the curriculum to meet the needs of international clinicians of all levels of experience.

### Accreditation Statement and Credit Designation

#### European Accreditation Council for Continuing Medical Education (UEMS/EACCME)

The **27th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID)** is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS): [www.uems.net](http://www.uems.net)

The **27th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID)** is designated for up to 23 European external CME credits.

### American Medical Association (AMA)

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at [www.ama-assn.org/go/internationalcme](http://www.ama-assn.org/go/internationalcme)

### Royal College of Physicians and Surgeons of Canada

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada. For more information, visit: [www.royalcollege.ca](http://www.royalcollege.ca)

### Credit Breakdown

Each participant should claim only those hours of credit that he/she actually spent in the educational activity.

| Day                     | Max Credits |
|-------------------------|-------------|
| Saturday, 22 April 2017 | 6           |
| Sunday, 23 April 2017   | 6           |
| Monday, 24 April 2017   | 6           |
| Tuesday, 25 April 2017  | 5           |
| <b>Total Credits</b>    | <b>23</b>   |



### To Receive Your CME/CPD Certificate

1. Evaluate the sessions you attended on the ECCMID website ([www.eccmidlive.org](http://www.eccmidlive.org)) or in the congress app. Please log in with your ESCMID account.
2. Before you can download or print your CME/CPD Certificate, you will be invited to complete the general conference survey. Once the survey is completed, your CME/CPD Certificate will be available at any time.

### To Receive Your Attendance Certificate

Participants will have the option to print their certificate of attendance at designated print-terminals in the registration area. The certificate of attendance is also available on the ECCMID website ([www.eccmidlive.org](http://www.eccmidlive.org)) or in the congress app (from Monday morning 24 April 2017).

### Disclosure and Resolution of Personal Conflicts of Interest

In accordance with CME/CPD accreditation criteria and standards for commercial support to ensure balance, independence, objectivity, and scientific rigour, those in control of the educational content must disclose potential or actual conflicts of interest. Disclosure information is evaluated and conflicts of interest resolved. Disclosure is made to participants prior to the activity. Participants will be asked on the evaluation to assess the objectivity and independence of the event. Disclosure information can be viewed on the congress website under the CME information pages.

# Introduction to the Scientific Programme

## Educational Workshops

At the beginning of ECCMID, on Saturday morning, 22 April 2017, from 08:45 – 13:00 a series of educational workshops will take place. They are organized in cooperation with ESCMID study groups, the Trainee Association of ESCMID and partnering organizations. Participation in educational workshops is free of charge and corresponding educational material is available online on the congress website. Participants will be able to submit questions to speakers/chairs before the congress via [www.eccmidlive.org](http://www.eccmidlive.org).

## Meet-the-Expert Sessions

Sunday through Tuesday, the day will start with meet-the-expert sessions led by experts in their fields. These sessions depend on active participation of the audience. After a short presentation, the expert will open the session for discussion. Coffee will be offered. Participants will be able to submit questions to speakers before the congress via [www.eccmidlive.org](http://www.eccmidlive.org).

## TAE Trainees Day

On Saturday, 22 April 2017, 13.15 – 16.45 the Trainee Association of ESCMID (TAE) will organize the Trainees Day, a day dedicated to the unique needs of trainees. A main and popular part of the session is the round tables, which give younger professionals the chance to talk to experts in an informal setting. Participants can sign up for one of the 20 expert tables of their choice to talk about their career. When: Saturday, 22 April 2017, 13:15 – 16:45, E104/105

## Keynote and Award Lectures

Sunday through Tuesday at 11:30 and 14:30, lectures of 60 minutes will be given by opinion leaders as well as by the winner of the ESCMID Excellence Award 2017.

## Symposia

On Saturday between 8:45 – 13:00 and from 13:30 – 18:30 and on Sunday and Monday from 09:00 – 12:30 and from 14:30 – 18:00, parallel symposia will convene renowned speakers who will cover a wide range of recent developments in their fields of expertise. On Tuesday, the last round of symposia takes place from 13:30 – 15:30. A number of symposia are arranged in cooperation with ESCMID study groups, while others are jointly organized with partnering societies or organizations.

Symposia arranged by the industry are organized in close cooperation with the ECCMID Programme Committee. For details please see the Integrated Symposia and Exhibition Guide.

## Oral Sessions

In the same time slots as the before-mentioned symposia, you will also find sessions based on abstracts selected for oral presentation. The presenting author is indicated with an asterisk (\*).

## ePoster Mini-Oral Sessions

Selected ePosters have been scheduled for ePoster presentation from 22 April – 25 April 2017 in parallel to the poster sessions. ePoster presenters must be present at the indicated ePoster area for presentation and discussion. The presenting author is indicated by an asterisk (\*). The ePoster presentations will be moderated by an expert assigned by the Programme Committee.

## Paper Poster Sessions

Most of the accepted abstracts are scheduled for poster presentation from Saturday through Tuesday. The selection is based on a blind review by at least three experts. The posters are displayed in the poster area. The poster area is open to all participants on Saturday from 12.00 – 18.30, on Sunday and Monday from 09:00 – 17:30 and on Tuesday from 09:00 – 15:00. Please note that posters are exchanged on a daily basis. Poster authors must be present at their posters for discussion during their poster session (see page 96 for details). The presenting author is indicated by an asterisk (\*).

## ePoster Viewing

ePosters and electronic versions of the paper posters – if delivered by the author – will be displayed all 4 congress days on 56 ePoster stations, on the mobile website and application of the congress. The ePoster format will give participants the possibility to interact with presenters and send the ePoster (see page 222) by email. The presenting author is indicated by an asterisk (\*).

The following prefixes have been used throughout the programme:

- EW = Educational Workshop
- ME = Meet-the-Expert Session
- TD = TAE Trainees Day 2017
- KN = Keynote Lecture
- SY = Symposium
- IS = Integrated Symposium
- OS = Oral Session
- EP = ePoster Mini-Oral Session
- P = Paper Poster Session
- EV = ePoster Viewing

Sessions specifically interesting for:

- ID Infectious Disease Fellows
- CM Clinical Microbiologists
- IC Infection Control Practitioners

Join us  
next year!

European Congress of  
Clinical Microbiology  
and Infectious Diseases

**Madrid, Spain**  
**21 – 24 April 2018**

**ECCMID**

Scientific Programme



**28th**



## ESCMID presents: **EUCAST at ECCMID Vienna**

### Saturday, 22 April 2017

08.45 – 12.45, Hall A

#### **EUCAST Educational Workshop: Antimicrobial susceptibility testing with EUCAST breakpoints and methods**

Chair: *Alasdair P. MacGowan* Bristol, UK;

*John D. Turnidge*, Sydney, AU

- Recent developments in EUCAST  
*Christian Giske*, Stockholm, SE (08.45 – 09.05)
- Beta-lactamase inhibitor combinations: susceptibility testing and interpretation  
*Johan W. Mouton*, Rotterdam, NL (09.05 – 09.25)
- Intrinsic resistance and expert rules  
*Sören G. Gatermann*, Bochum, DE (09.25 – 09.45)
- Antifungal breakpoints and susceptibility testing (AFST Subcommittee)  
*Maiken Cavling Arendrup*, Copenhagen, DK (09.45 – 10.05)
- Interactive panel discussion on questions from the audience.  
*Alasdair P. MacGowan*, Bristol, UK, (10.05 – 10.35)

Coffee break

- Now we know the meaning of “intermediate”!  
*Gunnar Kahlmeter*, Växjö, SE, (11.05 – 11.25)
- Susceptibility testing of beta-lactams for *Haemophilus influenzae*.  
*Christoffer Lindemann*, Bergen, NO, (11.25 – 11.45)
- Technical problems and controversies in antimicrobial susceptibility testing.  
*Erika Matuschek*, Växjö, SE, (11.45 – 12.05)

EUCAST representatives will be available for at least 30 minutes after the session.

15.30 – 16.30, Poster Area

View EUCAST posters in the following session:

- MIC and disc diffusion methods – revisited

### Sunday, 23 April 2017

16.30 – 18.30, Business Suite 1

#### **EUCAST Antifungal Susceptibility Testing (AFST)**

#### **General Committee Meeting**

Open meeting

### Monday, 24 April 2017

07.45 – 08.45, Hall L

#### **Meet the Experts: EUCAST frequently asked questions**

*Rafael Canton*, Madrid, ES; *Erika Matuschek*, Växjö, SE

EUCAST representatives will be available after the session for at least 30 minutes outside the meeting room.

13.00 – 14.30, Hall P

#### **EUCAST General Committee meeting**

Open Meeting

EUCAST representatives will be available after the session for at least 30 minutes outside the meeting room.

17.00 – 19.00, Hall P

#### **EUCAST Veterinary Subcommittee on Antimicrobial Susceptibility Testing (VetCAST) Stakeholders Meeting**

Open meeting

### Saturday, 22 – Tuesday, 25 April 2017

#### **EUCAST posters at ESCMID Network Corner**

European Committee on Antimicrobial Susceptibility Testing 2016/17  
ECC 122, EUCAST Development Laboratory (EDL),  
Clinical Microbiology, Växjö, SE

EUCAST is a standing committee jointly organised by ESCMID, ECDC (European Centre for Disease Prevention and Control) and European national breakpoint committees.

**Get more information  
about EUCAST at the ESCMID World.**



# ESCMID Study Group and other Meetings

If you cannot find the meeting you are looking for, contact our staff at the ESCMID World!

## Saturday, 22 April 2017

| Time          | Meeting Title               | Room    |
|---------------|-----------------------------|---------|
| 16.45 – 18.30 | Young Scientists' Reception | Foyer E |

## Sunday, 23 April 2017

| Time          | Meeting Title                         | Room                 |
|---------------|---------------------------------------|----------------------|
| 09.30 – 13.00 | ESCMID AMS Competencies Meeting       | Hall R               |
| 12.45 – 14.45 | EUCAST AST Subcommittee Meeting       | Hall Q               |
| 13.15 – 14.15 | ESGARS Meeting                        | Business suite 3 + 4 |
| 13.15 – 14.15 | ESGBIS Meeting                        | Hall O               |
| 13.15 – 14.15 | ESGCIP Meeting                        | Hall B Gallery 2 a+b |
| 13.15 – 14.15 | ESGIAI Meeting                        | Hall R               |
| 13.15 – 14.15 | ESGIB Meeting                         | Hall M               |
| 13.15 – 14.15 | ESGMD Meeting                         | Hall N               |
| 13.15 – 14.15 | ESGNI Meeting                         | Business suite 2     |
| 13.15 – 14.15 | ESGVM Meeting                         | Hall P               |
| 13.15 – 14.15 | EVASG Meeting                         | Hall B Gallery 1 a+b |
| 16.00 – 18.30 | ESGITM Roundtable on Vaccines         | Hall B Gallery 2 a+b |
| 16.30 – 18.30 | EUCAST AFST General Committee Meeting | Business suite 1     |
| 18.15 – 19.15 | EFWISG Meeting                        | Business suite 3     |
| 18.15 – 19.15 | ESGAP Meeting                         | Hall N               |
| 18.15 – 19.15 | ESGB Meeting                          | Hall B Gallery 2 a+b |
| 18.15 – 19.15 | ESGBOR Meeting                        | Hall B Gallery 3 a+b |
| 18.15 – 19.15 | ESGCD Meeting                         | Hall R               |
| 18.15 – 19.15 | ESGICH Meeting                        | Hall M               |
| 18.15 – 19.15 | ESGIE Meeting                         | Business suite 2     |
| 18.15 – 19.15 | ESGITM Meeting                        | Business suite 4     |

## Monday, 25 April 2017

| Time          | Meeting Title                    | Room                 |
|---------------|----------------------------------|----------------------|
| 8.30 – 11.30  | CAESAR Meeting                   | Hall N               |
| 9.00 – 10.00  | ESCMID Sepsis paper meeting      | Hall Q               |
| 10.00 – 11.00 | ISAC Meeting                     | Hall P               |
| 13.00 – 14.30 | EUCAST General Committee Meeting | Hall P               |
| 13.15 – 14.15 | EFISG Meeting                    | Hall B Gallery 1 a+b |
| 13.15 – 14.15 | EPASG Meeting                    | Hall R               |
| 13.15 – 14.15 | ESGAI Meeting                    | Hall N               |
| 13.15 – 14.15 | ESGCP Meeting                    | Hall Q               |
| 13.15 – 14.15 | ESGEM Meeting                    | Hall B Gallery 2 a+b |
| 13.15 – 14.15 | ESGMI Meeting                    | Business suite 2     |
| 13.15 – 14.15 | ESGMYC Meeting                   | Business suite 4     |
| 13.15 – 14.15 | ESGS Meeting                     | Hall O               |
| 13.15 – 14.15 | ESGVH Meeting                    | Business suite 1     |
| 14.15 – 15.15 | ENRIA project meeting            | Hall N               |
| 14.30 – 15.30 | ESGFOR Meeting                   | Hall R               |
| 16.30 – 18.00 | ESCMID Council Meeting           | Hall N               |
| 17.00 – 19.00 | VetCAST Meeting (open)           | Hall P               |
| 18.30 – 20.00 | ESCMID General Assembly          | Hall F               |



# Scientific Programme Overview

## Saturday, 22 April 2017

| Hall A                                                                                                                                                            | Hall B                                                                                                                                                                                           | Hall C                                                         | Hall D                                                                                                                                                              | Hall E                                                                                                                                                                                 | Hall F | Hall G                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 08:45 – 12:45                                                                                                                                                     | 08:45 – 10:45                                                                                                                                                                                    | 08:45 – 10:45                                                  | 08:45 – 10:45                                                                                                                                                       | 08:45 – 10:45                                                                                                                                                                          |        | 08:45 – 10:45                                                                                                                                  |
| EW001                                                                                                                                                             | EW002                                                                                                                                                                                            | EW003                                                          | EW004                                                                                                                                                               | EW005                                                                                                                                                                                  |        | EW006                                                                                                                                          |
| Antimicrobial susceptibility testing with EUCAST breakpoints and methods<br><br> | Improving antimicrobial use in different clinical syndromes – barriers, needs and indicators of success<br><br> | Implant infections due to Gram-negatives – from lab to clinics | Challenges in the management of parasitic infections for the ID specialist<br><br> | Implementing infection control and antimicrobial stewardship interventions in your hospital<br><br> |        | The critically ill patient – news and controversies<br><br> |
|                                                                                                                                                                   | 11:00 – 13:00                                                                                                                                                                                    | 11:00 – 13:00                                                  | 11:00 – 13:00                                                                                                                                                       | 11:00 – 13:00                                                                                                                                                                          |        | 11:00 – 13:00                                                                                                                                  |
|                                                                                                                                                                   | EW012                                                                                                                                                                                            | EW013                                                          | EW014                                                                                                                                                               | EW015                                                                                                                                                                                  |        | EW016                                                                                                                                          |
|                                                                                                                                                                   | Current challenges for dose optimization of antimicrobials<br><br>                                              | Biofilm models in basic and applied research                   | Parasites and immuno-suppression                                                                                                                                    | Which mathematical models for antimicrobial resistance?                                                                                                                                |        | The mucormycosis workshop                                                                                                                      |

### 13.00 – 13.30 Lunch Break

| 13:30 – 15:30                                          | 13:30 – 15:30              | 13:30 – 15:30                                                                                                                                               | 13:30 – 15:30                                                         | 13:30 – 15:30                                                                                          | 13:30 – 15:30                                                     | 13:30 – 15:30                          |
|--------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------|
| OS024                                                  | SY021                      | IS01                                                                                                                                                        | IS02                                                                  | IS03                                                                                                   | IS04                                                              | OS025                                  |
| Confronting the threat of resistance in Gram-negatives | Reporting antibiogram data | The impact of direct-from-whole-blood identification of sepsis pathogens: clinical and economic benefit of T2Candida and pre-view of T2Bacteria performance | Practical considerations for management of invasive fungal infections | Detect to cure – superbugs in various healthcare settings – diagnostic approaches to win the challenge | Pneumococcal pneumonia prevention: about populations and patients | Current issues in bacterial meningitis |

### 15.30 – 16.30 Coffee Break / ePoster Mini-Oral Sessions / Paper Poster Sessions

| 16:30 – 18:30                                                     | 16:30 – 18:30                      | 16:30 – 18:30                                                            | 16:30 – 18:30                                                            | 16:30 – 18:30                                                                                             | 16:30 – 18:30                                                                                   | 16:30 – 18:30                   |
|-------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| OS039                                                             | IS05                               | SY035                                                                    | IS06                                                                     | IS07                                                                                                      | IS08                                                                                            | OS040                           |
| <i>Clostridium difficile</i> infections: epidemiology and outcome | Expansion into unmet clinical need | Clinician, microbiologist and pathologist – joining efforts in diagnosis | Impact of new treatments on viral load monitoring and patient management | The changing face of Gram-negative infections: management strategies for your difficult-to-treat patients | Oncology, neonate and elderly patients: tackling infectious complications in those at high risk | Advances in diagnostic mycology |

## Colour Key

■ Educational Workshops, Meet the Expert Sessions 
 ■ Symposia 
 ■ Oral Sessions 
 ■ Keynote Lectures 
 ■ ePoster Presentations  
■ TAE Trainees Day 2017  
■ Integrated Symposia are not included in this book. Please refer to the Integrated Symposia and Exhibition Guide for session details.

## Sessions specifically interesting for:

IC Infection Control Practitioners 
 ID Infectious Disease Fellows 
 CM Clinical Microbiologists

| Hall H                                                                                           | Hall I                                                                             | Hall J                                                                                                            | Hall K                                                                             | Hall L                                                                             | Foyer E |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------|
| 08:45 – 10:45                                                                                    | 08:45 – 12:45                                                                      | 08:45 – 10:45                                                                                                     | 08:45 – 10:45                                                                      | 08:45 – 10:45                                                                      |         |
| EW007<br>Syphilis – news about the old disease                                                   | EW008<br>Innovation in infection control                                           | EW009<br>Prevention of <i>Clostridium difficile</i> infection in acute care hospitals – updated ESCMID guidelines | EW010<br>Healthcare and infectious disease management in refugees and migrants     | EW011<br>Challenges posed by viral outbreaks                                       |         |
|                                                                                                  | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">IC</span> |                                                                                                                   | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">ID</span> |                                                                                    |         |
| 11:00 – 13:00                                                                                    |                                                                                    | 11:00 – 13:00                                                                                                     | 11:00 – 13:00                                                                      | 11:00 – 13:00                                                                      |         |
| EW017<br>Advanced methods for clinical research in infectious diseases: a primer for non-experts |                                                                                    | EW018<br>ESGMYC recommendations for mycobacterial infections                                                      | EW019<br>Arboviruses in Europe – coming to your neighbourhood                      | EW020<br>HIV infection in 2017                                                     |         |
|                                                                                                  |                                                                                    |                                                                                                                   |                                                                                    | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">ID</span> |         |

## 13.00 – 13.30 Lunch Break

| 13:30 – 15:30                                                                 | 13:30 – 15:30            | 13:30 – 15:30                   | 13:30 – 15:30        | 13:30 – 15:30                                      | 13.15 – 16.45                  |
|-------------------------------------------------------------------------------|--------------------------|---------------------------------|----------------------|----------------------------------------------------|--------------------------------|
| OS026<br>New options for diagnosis and treatment of bone and joint infections | OS027<br>Beyond genomics | SY022<br>What is new in MDR-TB? | SY023<br>Zika update | OS028<br>Typing techniques in the clinical setting | TD001<br>TAE Trainees Day 2017 |

## 15.30 – 16.30 Coffee Break / ePoster Mini-Oral Sessions / Paper Poster Sessions

| 16:30 – 18:30                                    | 16:30 – 18:30                                                                      | 16:30 – 18:30                                                | 16:30 – 18:30                                                           | 16:30 – 18:30                          |
|--------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------|
| OS041<br>Recent findings in international health | OS042<br>Late-breaker: recent clinical trials                                      | SY036<br>Interactions of the virome in the respiratory tract | SY037<br>I have a dream: affordable antimicrobial drugs for all in need | SY038<br>Infections in cancer patients |
|                                                  | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">ID</span> |                                                              |                                                                         |                                        |

# Scientific Programme

## Saturday, 22 April 2017



**EW001 08:45 – 12:45 Hall A**  
4-hour Educational Workshop

**Antimicrobial susceptibility testing with EUCAST breakpoints and methods**

*Chairs* John D. Turnidge (Sydney, Australia),  
Alasdair P. MacGowan (Bristol, United Kingdom)

**EW0001 08:45 Recent developments in EUCAST**  
Christian G. Giske (Stockholm, Sweden)

**EW0002 09:15 Beta-lactamase inhibitor combinations: susceptibility testing and interpretation**  
Johan Willem Mouton (Rotterdam, Netherlands)

**EW0003 09:45 Intrinsic resistance and expert rules**  
Sören G. Gatermann (Bochum, Germany)

**EW0004 10:15 Antifungal breakpoints and susceptibility testing (AFST Subcommittee)**  
Maiken Cavling Arendrup (Copenhagen, Denmark)

**EW0005 10:45 Now we know the meaning of "intermediate"!**  
Gunnar Kahlmeter (Växjö, Sweden)

**EW0006 11:15 Susceptibility testing of beta-lactams for *Haemophilus influenzae***  
Paul Christoffer Lindemann (Bergen, Norway)

**EW0007 11:45 Technical problems and controversies in antimicrobial susceptibility testing**  
Erika Matuschek (Växjö, Sweden)

**EW0008 12:15 Interactive panel discussion**

Co-organized with: European Committee on Antimicrobial Susceptibility Testing (EUCAST)



**EW002 08:45 – 10:45 Hall B**  
2-hour Educational Workshop

**Improving antimicrobial use in different clinical syndromes – barriers, needs and indicators of success**

*Chairs* Gabriel Levy Hara (Buenos Aires, Argentina),  
Bojana Beovic (Ljubljana, Slovenia)

**EW0009 08:45 Respiratory infections**  
Jordi Carratala (Barcelona, Spain)

**EW0010 09:15 Intraabdominal infections**  
Philippe Montravers (Paris, France)

**EW0011 09:45 Urinary tract infections**  
Suzanne E. Geerlings (Amsterdam, Netherlands)

**EW0012 10:15 Interactive panel discussion**

Co-organized with: ESCMID Study Group for Antibiotic Policies (ESGAP)



**EW003 08:45 – 10:45 Hall C**  
2-hour Educational Workshop

**Implant infections due to Gram-negatives – from lab to clinics**

*Chairs* Tom Coenye (Ghent, Belgium),  
Antonios Papadopoulos (Athens, Greece)

**EW0013 08:45 Innovative approaches to deal with biofilm-related infections**  
Tom Coenye (Ghent, Belgium)

**EW0014 09:15 Optimization of the antibiotic treatment of *P. aeruginosa* biofilm infections**  
Dana Ciofu (Copenhagen, Denmark)

**EW0015 09:45 Epidemiology and clinical management of implant infections due to MDR Gram-negatives**  
Jaime Lora-Tamayo (Madrid, Spain)

**EW0016 10:15 Interactive panel discussion**

Co-organized with: ESCMID Study Group for Implant-Associated Infections (ESGIAI),  
ESCMID Study Group for Biofilms (ESGB)



**EW004 08:45 – 10:45 Hall D**  
2-hour Educational Workshop

**Challenges in the management of parasitic infections for the ID specialist**

*Chairs* Miriam José Alvarez Martinez (Barcelona, Spain)  
Michael Ramharter (Vienna, Austria)

**EW0017 08:45 Difficult decisions in the management of echinococcosis**  
Enrico Brunetti (Pavia, Italy)

**EW0018 09:15 Screening for and prevention of congenital Chagas disease**  
Miriam José Alvarez Martinez (Barcelona, Spain)

**EW0019 09:45 Delusional parasitosis**  
Peter Chiodini (London, United Kingdom)

**EW0020 10:15 Interactive panel discussion**

Co-organized with: ESCMID Study Group for Clinical Parasitology (ESGCP)



**EW005 08:45 – 10:45 Hall E**  
2-hour Educational Workshop

**Implementing infection control and antimicrobial stewardship interventions in your hospital**

*Chairs* Elisabeth Presterl (Vienna, Austria),  
Serhat Ünal (Ankara, Turkey)

**EW0021 08:45 Navigating the published literature – what level of evidence is needed before implementing an intervention in your hospital?**  
Eli Perencevich (Iowa City, United States)

**EW0022 09:15 Evaluation of new interventions targeting HAI – before, during and after implementation**

*Walter Zingg (Geneva, Switzerland)*

**EW0023 09:45 The antimicrobial stewardship team – who and what is essential?**

*Céline Pulcini (Nancy, France)*

**EW0024 10:15 Interactive panel discussion**

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**EW006 08:45 – 10:45 Hall G**  
2-hour Educational Workshop

**The critically ill patient – news and controversies**

*Chairs Jean-François Timsit (Paris, France),  
Garyfallia Poulakou (Athens, Greece)*

**EW0025 08:45 Defining and diagnosing hospital-acquired and ventilator-associated pulmonary infection – implications for infection control**

*Antoni Torres (Barcelona, Spain)*

**EW0026 09:15 Source control – often needed, often difficult**  
*Garyfallia Poulakou (Athens, Greece)*

**EW0027 09:45 TDM of all drugs for all patients?**  
*Jason Roberts (Brisbane, Australia)*

**EW0028 10:15 Interactive panel discussion**

Co-organized with: ESCMID Study Group for Critically Ill Patients (ESGCIIP)

**EW007 08:45 – 10:45 Hall H**  
2-hour Educational Workshop

**Syphilis – news about the old disease**

*Chairs Igor Karpov (Minsk, Belarus),  
TBC*

**EW0029 08:45 Syphilis in the lab – epidemiology and diagnostics**  
*Philipp Bosshard (Zurich, Switzerland)*

**EW0030 09:15 Syphilis as the great imitator – the clinical perspective**  
*Patrick French (London, United Kingdom)*

**EW0031 09:45 Syphilis in the brain – clinics and management of neurosyphilis**  
*Alexandra Geusau (Vienna, Austria)*

**EW0032 10:15 Interactive panel discussion**

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**EW008 08:45 – 12:45 Hall I**  
4-hour Educational Workshop

**Innovation in infection control**

*Chairs Herman Goossens (Edegem, Belgium),  
Stephanie J. Dancer (Lanarkshire, United Kingdom)*

**EW0033 08:45 Modelling spread of pathogens in your hospital**  
*Yehuda Carmeli (Tel Aviv, Israel)*

**EW0034 09:15 How to prioritize infection control measures in the local setting – cost incentives**

*Nico Tom Mutters (Heidelberg, Germany)*

**EW0035 09:45 How to calculate infection control costs and convince your hospital administration to spend the money**

*Bart Gordts (Antwerp, Belgium)*

**EW0036 10:15 Can we track MDR bacteria through links with travel insurance companies?**

*Vincent Pascal Jarlier (Paris, France)*

**EW0037 10:45 Learning infection control via games – does it work?**

*Anne-Gaëlle Vernier (Bordeaux, France)*

**EW0038 11:15 Public engagement and fight against antimicrobial resistance**

*Kirsten Schaffer (Dublin, Ireland)*

**EW0039 11:45 Optimize infection control using antimicrobial stewardship**

*Evelina Tacconelli (Tübingen, Germany)*

**EW0040 12:15 Interactive panel discussion**

Co-organized with: European Committee on Infection Control (EUCIC)

**EW009 08:45 – 10:45 Hall J**  
2-hour Educational Workshop

**Prevention of *Clostridium difficile* infection in acute care hospitals – updated ESCMID guidelines**

*Chairs Rossitza Vatcheva-Dobrevska (Sofia, Bulgaria),  
Lutz Von Müller (Homburg, Germany)*

**EW0041 08:45 Infection control measures**  
*Sarah Tschudin Sutter (Basel, Switzerland)*

**EW0042 09:15 Surveillance and screening**  
*Markus Hell (Salzburg, Austria)*

**EW0043 09:45 Antibiotic stewardship**  
*Charis Marwick (Dundee, United Kingdom)*

**EW0044 10:15 Interactive panel discussion**

Co-organized with: ESCMID Study Group for *Clostridium difficile* (ESGCD), ESCMID Study Group for Nosocomial Infections (ESGNI)

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**EW010 08:45 – 10:45 Hall K**  
2-hour Educational Workshop

**Healthcare and infectious disease management in refugees and migrants**

*Chairs Corneliu Petru Popescu (Bucharest, Romania),  
Marie Norredam (Copenhagen, Denmark)*

**EW0045 08:45 Tuberculosis: pathways to care and outcomes in migrant patients**  
*Sally Hargreaves (London, United Kingdom)*

**EW0046 09:15 Infections requiring intensive care**

*Hakan Erdem (Istanbul, Turkey)*

**EW0047 09:45 Intraabdominal and systemic infections**

*Francesco Castelli (Brescia, Italy)*

**EW0048 10:15 Interactive panel discussion**

Co-organized with: ESCMID Study Group for Infections in Travellers and Migrants (ESGITM)

**EW011 08:45 – 10:45 Hall L**  
**2-hour Educational Workshop**

**Challenges posed by viral outbreaks**

*Chairs Alexandra Mailles (Saint-Maurice, France), Elisabeth Puchhammer-Stöckl (Vienna, Austria)*

**EW0049 08:45 Lessons from measles & mumps & rubella**

*Vanessa Saliba (London, United Kingdom)*

**EW0050 09:15 Lessons from West Nile virus**

*Anna Papa-Konidari (Thessaloniki, Greece)*

**EW0051 09:45 Lessons from enteroviruses**

*Thea Kølsen Fischer (Copenhagen, Denmark)*

**EW0052 10:15 Interactive panel discussion**

Co-organized with: European Society of Clinical Virology (ESCV)



**EW012 11:00 – 13:00 Hall B**  
**2-hour Educational Workshop**

**Current challenges for dose optimization of antimicrobials**

*Chairs Elisabet Nielsen (Uppsala, Sweden), Ursula Theuretzbacher (Vienna, Austria)*

**EW0053 11:00 New knowledge for dose optimization in renal replacement therapy**

*Gordon Choi (Hong Kong, Hong Kong)*

**EW0054 11:30 Are children just little adults, or do they need more finesse in dosing?**

*Karel Allegaert (Rotterdam, Netherlands)*

**EW0055 12:00 Clinical relevance of protein binding for drug dosing**

*Sandrine Marchand (Poitiers, France)*

**EW0056 12:30 Interactive panel discussion**

Co-organized with: ESCMID PK/PD of Anti-Infectives Study Group (EPASG)

**EW013 11:00 – 13:00 Hall C**  
**2-hour Educational Workshop**

**Biofilm models in basic and applied research**

*Chairs Mark Everett Shirtliff (Baltimore, United States), Christine Imbert (Poitiers, France)*

**EW0057 11:00 Introduction to the biofilm mode of growth**

*Claus Moser (Copenhagen, Denmark)*

**EW0058 11:30 Standard methods in biofilm studies – *in vitro* models for studying biofilms**

*Holger Rohde (Hamburg, Germany)*

**EW0059 12:00 *In vivo* models for studying biofilms**

*Kendra P. Rumbaugh (Lubbock, United States)*

**EW0060 12:30 Interactive panel discussion**

**EW014 11:00 – 13:00 Hall D**  
**2-hour Educational Workshop**

**Parasites and immunosuppression**

*Chairs Manuel Oriol (Lausanne, Switzerland), Valeria M.V. Meroni (Pavia, Italy)*

**EW0061 11:00 Leishmania in transplant recipients**

*Jose Maria Aguado Garcia (Madrid, Spain)*

**EW0062 11:30 Toxoplasmosis in transplant recipients**

*Florence Robert-Gangneux (Rennes, France)*

**EW0063 12:00 Chagas in transplant recipients**

*Edson Abdala (São Paulo, Brazil)*

**EW0064 12:30 Interactive panel discussion**

Co-organized with: ESCMID Study Group for Infections in Compromised Hosts (ESGICH), ESCMID Study Group for Clinical Parasitology (ESGCP)

**EW015 11:00 – 13:00 Hall E**  
**2-hour Educational Workshop**

**Which mathematical models for antimicrobial resistance?**

*Chairs Marc J.M. Bonten (Utrecht, Netherlands), Dominique L. Monnet (Stockholm, Sweden)*

**EW0065 11:00 More data? Better data?**

*Guillaume Beraud (Poitiers, France)*

**EW0066 11:30 Better models?**

*Niel Hens (Hasselt, Belgium)*

**EW0067 12:00 Better use of existing data with new modelling approaches?**

*Lulla Opatowski (Paris, France)*

**EW0068 12:30 Interactive panel discussion**

Co-organized with: ESCMID Study Group for Antibiotic Policies (ESGAP), European Centre for Disease Prevention and Control (ECDC)

**EW016 11:00 – 13:00 Hall G**  
**2-hour Educational Workshop**

**The mucormycosis workshop**

*Chairs Cornelia Lass-Flörl (Innsbruck, Austria), Georgios Petrikos (Nicosia, Cyprus)*

**EW0069 11:00 Epidemiologic trends in immunocompromised patients**

*Olivier Lortholary (Paris, France)*

**EW0070 11:30 Diagnosis from bedside to bench and back again**

*Thomas J. Walsh (New York, United States)*

**EW0071 12:00 New antifungal therapeutics***Russell Lewis (Bologna, Italy)***EW0072 12:30 Interactive panel discussion**

Co-organized with: ESCMID Fungal Infection Study Group (EFISG), ESCMID Study Group for Infections in Compromised Hosts (ESGICH), Mycoses Study Group Education and Research Consortium (MSGERC)

**EW017 11:00 – 13:00 Hall H**  
**2-hour Educational Workshop**
**Advanced methods for clinical research in infectious diseases: a primer for non-experts**

*Chairs* Thomas Benfield (Hvidovre, Denmark),  
Jesús Rodríguez-Baño (Seville, Spain)

**EW0073 11:00 Propensity score: when and how**  
*Belén Gutiérrez-Gutiérrez (Seville, Spain)*
**EW0074 11:30 Multilevel analyses: when the context also matters**
*Marlieke De Kraker (Geneva, Switzerland)*
**EW0075 12:00 Competing risk analysis: if one outcome avoids another**
*Wouter Carel Rottier (Utrecht, Netherlands)***EW0076 12:30 Interactive panel discussion**
**EW018 11:00 – 13:00 Hall J**  
**2-hour Educational Workshop**
**ESGMYC recommendations for mycobacterial infections**

*Chairs* Christian Wejse (Aarhus, Denmark),  
Jakko Van Ingen (Nijmegen, Netherlands)

**EW0077 11:00 Guidelines for treatment of respiratory infections due to non-tuberculous mycobacteria**  
*Miguel Santin (Barcelona, Spain)*
**EW0078 11:30 How to determine antibiotic activity against mycobacteria? EUCAST subcommittee proposals**  
*Thomas Schön (Kalmar, Sweden)*
**EW0079 12:00 Recommendations for vaccine and testing immune response in tuberculosis**  
*Delia Goletti (Rome, Italy)*
**EW0080 12:30 Interactive panel discussion**

Co-organized with: ESCMID Study Group for Mycobacterial Infections (ESGMYC)

**EW019 11:00 – 13:00 Hall K**  
**2-hour Educational Workshop**
**Arboviruses in Europe – coming to your neighbourhood**

*Chairs* Louise Sigfrid (Oxford, United Kingdom),  
Franz X. Heinz (Vienna, Austria)

**EW0081 11:00 Arboviruses of clinical importance to Europe**  
*Chantal Reusken (Rotterdam, Netherlands)*
**EW0082 11:30 Differential arbovirus diagnostics***Isabella Eckerle (Bonn, Germany)***EW0083 12:00 Travel imported arboviruses***Nicholas John Beeching (Liverpool, United Kingdom)***EW0084 12:30 Interactive panel discussion**

Co-organized with: ESCMID Study Group for Infections in Travellers and Migrants (ESGITM), EU project “Platform for European Preparedness Against (Re-)emerging Epidemics” (PREPARE)

**EW020 11:00 – 13:00 Hall L**  
**2-hour Educational Workshop**
**HIV infection in 2017**

*Chairs* José María Miró Meda (Barcelona, Spain),  
Manuel Battegay (Basel, Switzerland)

**EW0085 11:00 The evidence and experience of PrEP**  
*Jean-Michel Molina (Paris, France)*
**EW0086 11:30 Primary/acute HIV infection**  
*Dominique Braun (Zurich, Switzerland)*
**EW0087 12:00 HIV treatment standard of care**  
*Stéphane De Wit (Brussels, Belgium)*
**EW0088 12:30 Interactive panel discussion**

Co-organized with: European AIDS Clinical Society (EACS)

**TD001 13.15 – 16.45 Foyer E**  
**TAE Trainees Day Session**
**TD0001 13:15 TAE welcome address and introduction**  
*David Ong, Utrecht, Netherlands*
**TD0002 13:30 TAE Award Ceremony**  
**13:40 Young Investigator Awardees' presentations:**
*TD0003 Céline Pulcini (Nancy, France)**TD0004 David Eyre (Oxford, UK)**TD0005 Mario Fernandez Ruiz (Madrid, Spain)***TD0006 14:10 Break****TD0007 14:15 Round table session: 20 round tables****TD0008 16:15 Reception and closing**
**SY021 13:30 – 15:30 Hall B**  
**2-hour Symposium**
**Reporting antibiogram data**

*Chairs* Arjana Tambic Andrasevic (Zagreb, Croatia),  
Robert Krause (Graz, Austria)

**SY0089 13:30 Selective reporting of antibiogram results**  
*Onur Karatuna (Istanbul, Turkey)*
**SY0090 14:00 Reporting MICs or clinical categories?**  
*Luis Martinez-Martinez (Cordoba, Spain)*



**SY0091 14:30 Direct reporting of resistance mechanisms**

*Andrea Endimiani (Bern, Switzerland)*

**SY0092 15:00 Clinical assessment of susceptibility data?**

*Mical Paul (Haifa, Israel)*

**Co-organized with: ESCMID Study Group for Antimicrobial Resistance Surveillance (ESGARS)**

**SY022 13:30 – 15:30 Hall J**  
**2-hour Symposium**

**What is new in MDR-TB?**

*Chairs Igor Mokrousov (St. Petersburg, Russian Federation), Delia Goletti (Rome, Italy)*

**SY0093 13:30 What is new in the clinical management of MDR-TB?**

*Christoph Lange (Borstel, Germany)*

**SY0094 14:00 MDR-TB and migration**

*Marie Norredam (Copenhagen, Denmark)*

**SY0095 14:30 Prevention of MDR-TB in children and adults**

*Ben Marais (Sydney, Australia)*

**SY0096 15:00 What is new in drug-resistance testing for MDR-TB?**

*Timothy Walker (Oxford, United Kingdom)*

**SY023 13:30 – 15:30 Hall K**  
**2-hour Symposium**

**Zika update**

*Chairs Judith Aberle (Vienna, Austria), Nicola Petrosillo (Rome, Italy)*

**SY0097 13:30 Zika – update from Latin America**

*Carlos Brito (Recife, Brazil)*

**SY0098 14:00 Zika and other flaviviruses challenging blood-product safety**

*Didier Musso (Papeete, French Polynesia)*

**SY0099 14:30 Zika – controlling the virus-host interaction and transmission**

*Jorge Osorio (Madison, United States)*

**SY0100 15:00 Zika – update on vaccine development**

*Franz X. Heinz (Vienna, Austria)*

**OS024 13:30 – 15:30 Hall A**  
**2-hour Oral Session**

**Confronting the threat of resistance in Gram-negatives**

*Chairs Dianelys Quiñones Pérez (Havana, Cuba), Angela Huttner (Geneva, Switzerland)*

**OS0101 13:30 Colonization sites in carriers of multidrug-resistant Gram-negative bacteria**

*J. Van Prehn\* (Amsterdam, Netherlands), A. Kaiser, S. Van der Werff, C. Vandenbroucke-Grauls*

**OS0102 13:42 Impact of contact precautions on nosocomial acquisition of ESBL-producing *Escherichia coli* in a high-risk setting – preliminary results of a large cohort study**

*L. Biehl\* (Cologne, Germany), A. Hamprecht, K. Peter, T. Wille, S. Peter, D. Dörfel, W. Vogel, H. Häfner, S. Lemmen, J. Panse, H. Rohde, E. Klupp, P. Schafhausen, P. Higgins, J. Salmanton-Garcia, H. Seifert, M. Vehreschild*

**OS0103 13:54 Quantifying the impact of antimicrobial usage on the nosocomial acquisition of extended-spectrum beta-lactamase colonization**

*E. Van Kleef\* (Amsterdam, Netherlands), J. Robotham, E. Tacconelli, S. Malhotra-Kumar, A. Gorska, B. Cooper*

**OS0104 14:06 Decontamination of 3rd-generation cephalosporin- and carbapenem-resistant Gram-negative bacteria in ICU patients**

*B. Wittekamp\* (Utrecht, Netherlands), N. Plantinga, C. Brun-Buisson, M. Bonten*

**OS0105 14:18 What is the minimal intervention bundle to stop a CRE outbreak**

*K. Hussein\* (Haifa, Israel), G. Rabino, O. Eluk, S. Warman, S. Reisner, L. Halif, M. Paul*

**OS0106 14:30 Looking inside the ventilator-associated events in European intensive care units – the EU-VAE project**

*S. Ramirez\* (Barcelona, Spain), L. Lagunes, Y. Peña, A. Vahedian, S. Nseir, K. Arvaniti, A. Bastug, L. Vldaur, N. Oztoprak, L. Bouadma, D. Koulenti, J. Rello*

**OS0107 14:42 Polymyxin applied to the respiratory tract fails to prevent *Acinetobacter*-associated ventilator-associated pneumonia: benchmarking the evidence base**

*J. Hurley\* (Ballarat, Australia)*

**OS0108 14:54 Acetic acid decontamination of sink drains to prevent spread of multi-resistant *Pseudomonas aeruginosa* on a haematology ward**

*R. Van Mansfeld\* (Amstelveen, Netherlands), T. Hoebe, S. Van der Werff, M. Heusinkveld, E. De Jongh, C. Vandenbroucke-Grauls*

**OS0109 15:06 Synergic effect of hand hygiene and antimicrobial stewardship in reducing incidence rate of drug-resistant pathogens**

*E. Carrara\* (Tübingen, Germany), F. Burkert, F. Foschi, P. Beryl, E. Tacconelli*

**OS0110 15:18 Association between contact precautions and symptoms of depression and anxiety: a meta-analysis**

*M. Schweizer\* (Iowa City, United States), R. Nair, M. Goto, D. Livorsi, E. Balkenende, N. Safdar, D. Morgan, E. Perencevich*



|                                               |                                                                                                                                                                                                                       |               |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>OS025</b>                                  | <b>13:30 – 15:30</b>                                                                                                                                                                                                  | <b>Hall G</b> |
| <b>2-hour Oral Session</b>                    |                                                                                                                                                                                                                       |               |
| <b>Current issues in bacterial meningitis</b> |                                                                                                                                                                                                                       |               |
| <i>Chairs</i>                                 | <i>Alexandra Mailles (Saint-Maurice, France),<br/>Stephen L. Leib (Bern, Switzerland)</i>                                                                                                                             |               |
| <b>OS0111 13:30</b>                           | <b>Neurospecific protein NSE, S-100, GFAP and MBP in cerebrospinal fluid of patients with acute bacterial meningitis</b>                                                                                              |               |
|                                               | <i>A. Sokhan* (Kharkiv, Ukraine),</i>                                                                                                                                                                                 |               |
| <b>OS0112 13:32</b>                           | <b>A multi-centre prospective evaluation of the new FilmArray meningitis/encephalitis panel for rapid PCR-based diagnostics</b>                                                                                       |               |
|                                               | <i>A. Egli* (Basel, Switzerland), C. Ottiger, M. Naegele, D. Meinel, M. Keller, S. Mitrovic, K. Rentsch, M. Oberle, C. Noppen, R. Sutter, S. Tschudin Sutter, V. Hinic, O. Dubuis, D. Burki</i>                       |               |
| <b>OS0113 13:34</b>                           | <b>A retrospective analysis of aetiology and risk factors for unknown aetiological diagnosis in aseptic acute meningitis, encephalitis and meningoencephalitis in an adult population, 2004 to 2014</b>               |               |
|                                               | <i>J. Monticelli* (Trieste, Italy), P. D'Agaro, N. Geremia, R. Luzzati</i>                                                                                                                                            |               |
| <b>OS0114 13:36</b>                           | <b>Combining doxycycline and daptomycin with ceftriaxone lowers inflammation, mortality, brain damage and hearing loss in infant-rat pneumococcal meningitis</b>                                                      |               |
|                                               | <i>L. Muri* (Bern, Switzerland), D. Grandgirard, M. Perny, S. Leib</i>                                                                                                                                                |               |
| <b>OS0115 13:38</b>                           | <b>Cerebral vasculitis in pneumococcal meningitis: epidemiology and clinical outcomes – a cohort study</b>                                                                                                            |               |
|                                               | <i>L. Boix Palop* (Terrassa, Spain), T. Fernández, M. Obradors, M. Xercavins Valls, I. Pelegrín Senent, D. Garcia-Somoza, E. Calbo, C. Cabellos</i>                                                                   |               |
| <b>OS0116 13:40</b>                           | <b>Factors associated with diagnostic delay in bacterial meningitis: a Danish cohort study</b>                                                                                                                        |               |
|                                               | <i>J. Bodilsen* (Aalborg, Denmark), A. Sharew, C. Brandt, M. Dalager-Pedersen, T. Benfield, C. Østergaard, H. Schonheyder, H. Nielsen</i>                                                                             |               |
| <b>OS0117 13:42</b>                           | <b>Adaptation of high-dose ceftriaxone administration scheme to the renal function. Pharmacokinetics part of “High-dose ceftriaxone in central nervous system infections”, a prospective multicentre cohort study</b> |               |
|                                               | <i>M. Grégoire* (Nantes, France), E. Dailly, D. Boutoille, D. Garot, T. Guimard, L. Bernard, P. Tattevin, Y. Vandamme, J. Hoff, F. Lemaitre, M. Verdier, G. Deslandes, D. Navas, N. Asseray Madani</i>                |               |
| <b>OS0118 13:44</b>                           | <b><i>Pseudomonas aeruginosa</i> meningitis in neurosurgical patients with intraventricular catheters: comparison between aminoglycosides or colistin intrathecal treatment</b>                                       |               |
|                                               | <i>A. Rodríguez-Guardado* (Oviedo, Spain), C. Rodríguez Lucas, J. Fernandez-Suarez, J. Boga, F. Vazquez, M. Telenti</i>                                                                                               |               |

|                     |                                                                                                                                                                                                                                                                               |  |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>OS0119 13:46</b> | <b>Outcomes of adjunctive therapy with intrathecal or intraventricular administration of colistin for post-neurosurgical meningitis and ventriculitis due to carbapenem-resistant <i>Acinetobacter baumannii</i></b>                                                          |  |
|                     | <i>S. Chusri* (Songkhla, Thailand), I. Sakarunchai, S. Panthuwong, N. Kositpantawong, Y. Doi</i>                                                                                                                                                                              |  |
| <b>OS0120 13:48</b> | <b>Not enough of a good thing: worsening of pneumococcal meningitis after corticosteroid discontinuation</b>                                                                                                                                                                  |  |
|                     | <i>G. Beraud* (Poitiers, France), M. Garcia, A. Dinh, C. Bretonnière, A. Lemaigren, H. Cordel, S. Abgrall, L. Bernard, N. Lefebvre, P. Abgueguen, B. Hoen, C. Chirouze, B. Martha, F. Bruneel, N. Douiri, N. Dournon, P. Tattevin, F. Cazenave-Roblot, J. Stahl, X. Duval</i> |  |

|                                                                             |                                                                                                                                                                                |               |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>OS026</b>                                                                | <b>13:30 – 15:30</b>                                                                                                                                                           | <b>Hall H</b> |
| <b>2-hour Oral Session</b>                                                  |                                                                                                                                                                                |               |
| <b>New options for diagnosis and treatment of bone and joint infections</b> |                                                                                                                                                                                |               |
| <i>Chairs</i>                                                               | <i>Joshua Saul Davis (Newcastle, Australia),<br/>Robin Patel (Rochester, United States)</i>                                                                                    |               |
| <b>OS0121 13:30</b>                                                         | <b>Synovial fluid D-lactate – reliable diagnostic marker in the diagnosis of PJI</b>                                                                                           |               |
|                                                                             | <i>S. Karbysheva* (Barnaul, Russian Federation), K. Yermak, L. Grigoricheva, I. Zhyltsou, A. Trampuz</i>                                                                       |               |
| <b>OS0122 13:42</b>                                                         | <b>Performance of multiplex PCR of sonication fluid in the diagnosis of periprosthetic joint infection</b>                                                                     |               |
|                                                                             | <i>N. Renz* (Berlin, Germany), S. Cabric, S. Feihl, A. Trampuz</i>                                                                                                             |               |
| <b>OS0123 13:54</b>                                                         | <b>PET-CT role in early interim analysis of clinical success in patients with native vertebral osteomyelitis</b>                                                               |               |
|                                                                             | <i>C. Puzzolante* (Modena, Italy), A. McAllister, A. Bedini, S. Zona, G. Cuomo, L. Massi, N. Prandini, C. Mussini</i>                                                          |               |
| <b>OS0124 14:06</b>                                                         | <b>Septic arthritis due to streptococci, pneumococci and enterococci in native and prosthetic joints – a 13 year retrospective study</b>                                       |               |
|                                                                             | <i>C. Strahm* (St.Gallen, Switzerland), H. Lotz, V. Zdravkovic, B. Jost, W. Albrich</i>                                                                                        |               |
| <b>OS0125 14:18</b>                                                         | <b>Successful treatment of <i>Pseudomonas aeruginosa</i> osteomyelitis with limited duration of antibiotic monotherapy</b>                                                     |               |
|                                                                             | <i>M. Fernandez-Gerlinger* (Paris, France), N. Laghmouche, F. Compain, A. Jannot, P. Guigui, J. Mainardi, G. Lonjon, B. Bouyer</i>                                             |               |
| <b>OS0126 14:30</b>                                                         | <b>Beta-lactams in continuous infusion for difficult-to-treat osteoarticular infections caused by Gram-negative bacilli: a preliminary validation of an easy-to-use method</b> |               |
|                                                                             | <i>J. Gomez Junyent* (Barcelona, Spain), A. Ribera, L. Soldevila, R. Rigo, F. Tubau, A. Padulles, J. Ariza, O. Murillo</i>                                                     |               |

**OS0127 14:42 *Propionibacterium avidum*, a rare but eager agent of prosthetic hip infection**

V. Zeller\* (Paris, France), V. Letembet, S. Marmor, V. Meyssonier, L. Lhotellier, W. Graff, D. Passeron, A. Mouton, B. Heym, N. Desplaces, J. Ziza

**OS0128 14:54 Efficacy of six-weeks antibiotic treatment with early oral relay in pyogenic vertebral osteomyelitis**

A. Lemaigen\* (Tours, France), M. Lacasse, J. Cottier, D. Mulleman, L. Bernard

**OS0129 15:06 Candidal periprosthetic joint infection: a rare difficult-to-treat infection**

L. Escolà-Vergé\* (Barcelona, Spain), D. Rodríguez-Pardo, J. Lora-Tamayo, J. Praena, H. Vilchez Rueda, L. Guío, A. Soriano, O. Murillo, L. Sorli, A. Bahamonde, A. Jover-Sainz, M. Fernández-Sampedro, R. Escudero Sánchez, N. Benito, M. Lung, P. Corona, J. Ariza, C. Pigrau

**OS0130 15:18 Dalbavancin for the treatment of osteomyelitis in adult patients**

U. Rappo\* (Jersey City, United States), A. Jandourek, V. Shevchenko, O. Shevchenko, P. Gonzalez, S. Puttagunta, M. Dunne, R. Miceli, M. Kovacevic, G. De Bock

**OS027 13:30 – 15:30 Hall I**  
**2-hour Oral Session**

**Beyond genomics**

*Chairs* Holger Rohde (Hamburg, Germany), Alexander W. Friedrich (Groningen, Netherlands)

**OS0131 13:30 Assessing the potential of targeted and shotgun metagenomics for the diagnosis of hospital-acquired pneumonia**

C. Jeanes\* (Norwich, United Kingdom), H. Richardson, C. Ozongwu, Y. Personne, V. Enne, J. O'Grady

**OS0132 13:42 Evaluation of shotgun metagenomics and sequence classification methods for the diagnosis of bacterial pathogens in patients' samples**

N. Couto\* (Groningen, Netherlands), E. Raangs, A. Friedrich, J. Rossen

**OS0133 13:54 Total metagenomics of bacterial DNA in whole blood from sepsis patients**

S. Thulin Hedberg\* (Örebro, Sweden), L. Eriksson, I. Ziegler, P. Olcén, B. Hallström, E. Alm, J. Krause, M. Sundqvist, A. Herbig, P. Mölling

**OS0134 14:06 An automated metagenomics pipeline: Simplicity's platform for analysis of complex metagenomic data**

N. Konstantinidou\* (Cork, Ireland), J. Bowen, R. Dewhurst, B. Kelly, T. Forster, E. Cullen, P. Walsh, B. Lawlor

**OS0135 14:18 Identification of factors that impact the sensitivity of 16S metagenomics for the diagnosis of bacterial bloodstream infections using a modelling approach**

S. Deborggraeve\* (Antwerp, Belgium), S. Van Puyvelde, T. De Block, S. Hawinkel, O. Thas

**OS0136 14:30 Faster restoration of the major microbial taxa in the human gut with faecal microbial transplantation (FMT) after treatment with an antibiotic (moxifloxacin)**

B. Xavier\* (Antwerp, Belgium), H. Mazlom, M. El-Hadidi, M. Mysara, C. Lammens, D. Huson, S. Malhotra-Kumar, H. Goossens

**OS0137 14:42 Detection of a novel *Tropheryma* species in a kidney transplant recipient with nodular pulmonary infiltrates**

A. Vankeerberghen\* (Aalst, Belgium), S. Jonckheere, H. De Raeve, A. Boel, K. Van Vaerenbergh, H. De Beenhouwer

**OS0138 14:54 Beyond ordinary molecular diagnostics: next-generation sequencing analytic pipeline for understanding antibiotic resistance mechanisms in clinical diagnostics**

D. Meinel\* (Basel, Switzerland), V. Hinic, P. Saint Auguste, D. Bumann, A. Egli

**OS0139 15:06 Proteomics analysis and detection of the specific biomarker protein of multiple drug-resistant *Escherichia coli* ST131 clonal group by MALDI-TOF MS**

A. Nakamura\* (Tenri, Japan), M. Komatsu, Y. Ohno, H. Kohno, S. Matsuo

**OS0140 15:18 Targeted proteomics identifies novel candidate antigens for the diagnosis of invasive salmonellosis**

S. Saleh\* (Antwerp, Belgium), A. Staes, S. Van Puyvelde, L. Kuijpers, B. Barbé, J. Jacobs, K. Gevaert, S. Deborggraeve

**OS028 13:30 – 15:30 Hall L**  
**2-hour Oral Session**

**Typing techniques in the clinical setting**

*Chairs* Frederic Laurent (Lyon, France), Ana Budimir (Zagreb, Croatia)

**OS0141 13:30 MALDI-TOF MS for rapid strain typing of Enterobacteriaceae**

J. Rödel\* (Jena, Germany), A. Mellmann, B. Edel, B. Löffler, E. Straube, W. Pfister

**OS0142 13:42 Is the whole genome represented? An investigation to determine if plasmids are adequately represented in the NCTC3000 whole-genome sequencing project**

S. Alexander\* (London, United Kingdom), L. Malakbundu, M. Fazal, N. Grayson, E. Burnett, A. Deheer-Graham, K. Oliver, N. Holroyd, J. Russell, J. Parkhill

**OS0143 13:54 Persistence of a tobramycin-resistant *Staphylococcus aureus* clone during six years in a neonatal ward as revealed by whole-genome sequencing**

S. Mernelius\* (Jönköping, Sweden), A. Jogenfors, J. Söderman, F. Ingemansson, A. Matussek

- OS0144 14:06 Genomic and metagenomic-based epidemiology and transmission networks of MRSA in two Italian hospitals**  
*S. Manara\* (Trento, Italy), E. Pasolli, D. Dolce, F. Armanini, F. Beghini, N. Ravenni, E. Camera, G. Dinnella, P. Gualdi, M. Schinella, S. Campana, E. Baldo, G. Taccetti, N. Segata*
- OS0145 14:18 Investigation of Geraldine clone of methicillin-resistant *Staphylococcus aureus* outbreaks in newborns: whole-genome sequencing can reveal unsuspected transmission events**  
*G. Durand\* (La Balme-les-Grottes, France), M. Bes, F. Javerliat, F. Vandenesch, A. Tristan*
- OS0146 14:30 Evaluation of whole-genome sequencing and SNP analysis for the detection of transmission clusters of vancomycin-resistant enterococci over a one-year period**  
*J. Liese\* (Tübingen, Germany), L. Schuele, P. Oberhettinger, M. Willmann, S. Peter*
- OS0147 14:42 Genotypic characterization of *Streptococcus dysgalactiae* isolates recovered from different hosts**  
*M. Pinho\* (Lisbon, Portugal), A. Lübke-Becker, L. Wieler, M. Pomba, S. Preziuso, J. Melo-Cristino, M. Ramirez*
- OS0148 14:54 Evolution of the *E. coli* ST131 subclone H30-Rx/C2: high-coverage sequencing reveals greater diversity than previously reported**  
*S. Ny\* (Stockholm, Sweden), E. Alm, L. Sandegren, C. Giske*
- OS0149 15:06 Clonal displacement of one *E. coli* ST131 variant by a distinct ST131 variant in a nursing home**  
*C. Ludden\* (London, United Kingdom), D. Morris, D. Pickard, T. Downing, A. MacGowan, N. Brown, J. Parkhill, S. Peacock, G. Dougan, M. Cormican*
- OS0150 15:18 Whole-genome analysis of the major *Campylobacter jejuni* lineages in Israel**  
*A. Rokney\* (Jerusalem, Israel), L. Valinsky, J. Moran-Gilad, K. Vranckx, V. Agmon, M. Weinberger*

- EP0153 Outcome and treatment of nocardiosis after solid organ transplantation: new insights from a European study**  
*D. Lebeaux\* (Paris, France), R. Freund, C. Van Delden, H. Guillot, S. Marbus, M. Marie, E. Van Wijngaerden, B. Douvry, J. De Greef, F. Vuotto, L. Tricot, M. Fernandez Ruiz, J. Dantal, C. Hirzel, J. Jais, V. Rodriguez-Nava, F. Jacobs, O. Lortholary, J. Coussement*
- EP0154 Changing trends in aetiology, treatment and outcomes of bloodstream infection occurring in the first year after solid organ transplantation**  
*I. Oriol Bermúdez\* (Barcelona, Spain), N. Sabe, A. Simonetti, L. Lladó Garriga, A. Manonelles, J. González Costello, F. Tubau, J. Carratala*
- EP0155 Impact of a dedicated post-transplant vaccination service at a large Australian cancer centre**  
*B. Teh\* (Melbourne, Australia), T. Joyce, M. Slavin, K. Thursky, L. Worth*
- EP0156 Pre-transplant pneumococcal vaccination and antibody changes after solid organ transplantation**  
*H. Sun\* (Taipei, Taiwan), A. Cheng, C. Ho, R. Hu, N. Chou, S. Wang, C. Hung, S. Chang*
- EP0157 Cell-mediated immunity following immunization with pneumococcal vaccines in post-traumatic splenectomized individuals**  
*D. Karasartova\* (Corum, Turkey), U. Gazi, A. Gureser, I. Sahiner, M. Dolapci, A. Taylan Özkan*
- EP0158 Assessment of humoral immunity to vaccine-preventable diseases in autologous stem cell transplant recipients**  
*A. Kritikos\* (Lausanne, Switzerland), A. Cairolì, P. Bochud, O. Manuel, J. Delaloye*
- EP0159 Efficacy of quadrivalent meningococcal vaccination in patients treated with the C5a complement inhibitor eculizumab in atypical haemolytic uraemic syndrome**  
*A. Bienholz\* (Essen, Germany), H. Guberina, B. Wilde, U. Vogel, H. Claus, A. Kribben, O. Witzke*

| EP029                                    | 15:30 – 16:30                                                                                                                             | ePoster Arena 1 |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>ePoster Mini-Oral Session</b>         |                                                                                                                                           |                 |
| <b>Infections in transplant patients</b> |                                                                                                                                           |                 |
| Moderator                                | Oriol Manuel (Lausanne, Switzerland)                                                                                                      |                 |
| <b>EP0151</b>                            | <b>Analysis of impact of urinary tract infection by multidrug-resistant bacteria in early mortality after kidney transplantation</b>      |                 |
|                                          | <i>M. Freire* (São Paulo, Brazil), C. Vidaurre Mendes, F. Spadao, M. Stockler, F. De Paula, W. Nahas, E. David Neto, L. Pierrotti</i>     |                 |
| <b>EP0152</b>                            | <b>Epidemiology, risk factors, outcomes and impact of opportunistic infections in pancreas graft outcome</b>                              |                 |
|                                          | <i>A. Moreno* (Barcelona, Spain), M. Bodro Marimont, J. Ferrer, M. Ricart, L. Linares, G. Sanclemente, M. Solano, F. Cofan, M. Marcos</i> |                 |

| EP030                                                  | 15:30 – 16:30                                                                                                                                 | ePoster Arena 2 |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>ePoster Mini-Oral Session</b>                       |                                                                                                                                               |                 |
| <b>Deciphering the secrets of <i>Acinetobacter</i></b> |                                                                                                                                               |                 |
| Moderator                                              | Younes Smani (Seville, Spain)                                                                                                                 |                 |
| <b>EP0160</b>                                          | <b>Molecular epidemiology of acquired carbapenemase-producing <i>Acinetobacter baumannii</i> in Russia, Belarus and Kazakhstan</b>            |                 |
|                                                        | <i>M. Edelstein* (Smolensk, Russian Federation), E. Sheck, E. Skleenova, M. Sukhorukova, I. Azizov, D. Tapalski, I. Karpov</i>                |                 |
| <b>EP0161</b>                                          | <b>Application of a core-genome MLST scheme to investigate the molecular epidemiology of carbapenem-resistant <i>Acinetobacter pittii</i></b> |                 |
|                                                        | <i>P. Higgins* (Cologne, Germany), S. Gerson, M. Kaase, H. Seifert</i>                                                                        |                 |

- EP0162** **Positive selection and horizontal transfer of the *ompA* gene in *Acinetobacter***  
B. Evans\* (Norwich, United Kingdom), A. Viale
- EP0163** **Large antimicrobial resistance plasmids disseminated among *Acinetobacter* species**  
M. Suzuki\* (Tokyo, Japan), M. Matsui, S. Suzuki, T. Segawa, K. Yahara, S. Kayama, M. Sugai, K. Shibayama
- EP0164** **Molecular characterization of clinical and environmental *Acinetobacter baumannii* isolates from companion and exotic species in the United Kingdom**  
D. Timofte\* (Wirral, United Kingdom), V. Vitiello, I. Maciucă, A. Bortolami
- EP0165** **The dissemination of OXA-72-producing carbapenem non-susceptible *Acinetobacter nosocomialis* clones causing bloodstream infection in Taiwan**  
H. Chen\* (Taipei, Taiwan), Y. Chiang, J. Sun
- EP0166** **Cloning and functional characterization of the integrases of genomic resistance islands G08 and G62 (GEIs) of *Acinetobacter baumannii***  
Z. Al-Jabri\* (Leicester, United Kingdom), M. Oggioni
- EP0167** **Antibiotic tolerance induced by a toxin-antitoxin system (*hipBA*) from a *bla*NDM-positive plasmid from *Acinetobacter baumannii***  
Q. Yang\* (Cardiff, United Kingdom), T. Walsh

- EP0173** **Prevalence of surgical-site infection (SSI) after cardiac surgery: a single-centre experience**  
P. Minchella\* (Catanzaro, Italy), G. Muleo, G. Santise, P. De Fiore, F. Rotundo, F. Quintieri, S. Giglio, R. Masciari
- EP0174** **Negative pressure wound therapy: ESwab™ for the collection of early lesion specimens from surgical site, resulting in improved epidemiology**  
C. Pagani\* (Milan, Italy), S. Rimoldi, A. Di Gregorio, R. Terzi, G. Tosi, G. Carta, L. Confalonieri, C. Paoli, A. Bonini, M. Gismondo, G. Rizzardini
- EP0175** **Early clinical experience with dalbavancin in a tertiary hospital of Madrid, Spain**  
A. Vena\* (Madrid, Spain), A. Alvarez-Uria, M. Valerio Minero, P. Muñoz, V. González-Ramallo, M. García-Leoni, C. Rodríguez, E. Bouza Santiago
- EP0176** **Safety of dalbavancin in the treatment of acute bacterial skin and skin structure infections (ABSSI): nephrotoxicity rates compared to vancomycin**  
P. Gonzalez\* (New York, United States), U. Rappo, K. Akinapelli, J. McGregor, S. Puttagunta, M. Dunne
- EP0177** **Susceptibility of chronic wound bacterial infectious agents to honey of various origins**  
L. Slobodnikova\* (Bratislava, Slovakia), M. Zemanová, M. Čambal

**EP031 15:30 – 16:30 ePoster Arena 3**  
**ePoster Mini-Oral Session**

**Epidemiology and new treatment options for skin and soft-tissue infections**

- Moderator** Paul M. Tulkens (Brussels, Belgium)
- EP0169** **Detection of causative agents in focus in erysipela patients by bacteriological method and PCR method**  
E. Volchkova\* (Moscow, Russian Federation), D. Belaia, V. Troickii, T. Svistunova, S. Potekaeva, E. Domonova
- EP0170** **Age-related distribution of beta-haemolytic streptococci from the perianal region: utility of rapid antigen detection tests in diagnosing perianal streptococcal infection**  
A. Šterbenc\* (Ljubljana, Slovenia), K. Seme, L. Lah, D. Točkova, T. Kamhi Trop, N. Svent-Kucina, M. Pirs
- EP0171** **Soft tissue infection presenting in the emergency department: is there an easy-to-use risk index to rely on?**  
M. Zorrou\* (Athens, Greece), C. Kollia, A. Lioni, A. Kiparissi, M. Bompoli, E. Kafkoulas, V. Baka, M. Chini, M. Lazanas
- EP0172** **Community-acquired methicillin-resistant *Staphylococcus aureus* (CA-MRSA) infections in children: experiences from a hospital in the Rhine-Main area**  
F. Layer\* (Wernigerode, Germany), S. Albert-Braun, A. Weltzien, G. Werner

**EP032 15:30 – 16:30 ePoster Arena 4**  
**ePoster Mini-Oral Session**

***Clostridium difficile*: guts and glory**

- Moderator** Dilip Nathwani (Dundee, United Kingdom)
- EP0178** **Whole-genome sequencing to determine the extent of *Clostridium difficile* transmission following a period of increased incidence in north Wales**  
R. Shaw\* (Oxford, United Kingdom), D. Eyre, T. Cooper, H. Adams, D. Williams, R. Griffin, J. Sutton, K. Bowden, M. Morgan, P. Mannion, T. Morris, S. Jones, S. Walker, D. Crook, T. Peto, N. Craine
- EP0180** **Epidemiological data and molecular characterization of *Clostridium difficile* isolates causing diarrhoea between 2014–2016 in a tertiary hospital of Madrid, Spain**  
S. García-Fernández\* (Madrid, Spain), J. Las Heras, M. Cobo, P. López Pereira, Á. Rincón Carlavilla, J. Cobo, J. Romero, E. Loza, M. Morosini Reilly, R. Canton Moreno, N. López Fresneña, R. Del Campo
- EP0181** **Retrospective cohort study of the risk of complications and all-cause mortality in adults with hospital-associated recurrent *Clostridium difficile* infection in England**  
D. Enoch\* (Cambridge, United Kingdom), T. Murray-Thomas, D. Dedman, R. Tretter, N. Adomakoh, A. Karas, N. Francis



- EP0182** **Prevalence and risk factors of *Clostridium difficile* colonization among residents of long-term care facilities in Amsterdam, Netherlands**  
S. Hellmann\* [Amsterdam, Netherlands], S. Van Dorp, A. Tholen, C. Hertogh, E. Kuijper, M. Scholing
- EP0183** ***Clostridium difficile* point-prevalence study, Switzerland**  
S. Tschudin Sutter\* [Basel, Switzerland], A. Widmer, R. Frei, E. Kuijper, M. Wilcox, R. Schindler, V. Spaniol, D. Goldenberger, A. Egli
- EP0184** **Cluster investigation of *Clostridium difficile* infection using whole-genome sequencing and multi-locus variable number tandem-repeat analysis: a head-to-head study**  
W. Fawley\* [Leeds, United Kingdom], D. Eyre, E. Best, D. Crook, T. Peto, A. Walker, M. Wilcox
- EP0185** **Asymptomatic *Clostridium difficile* colonization on admission to a hospital: a multi-centre study**  
M. Crobach\* [Leiden, Netherlands], E. Terveer, K. Verduin, M. Vos, E. Kuijper
- EP0186** **Thermo-desinfecting machines – lack of efficacy for the removal of *C. difficile* spores**  
J. Sampaio\* [São Paulo, Brazil], M. Dias, R. Perdiz, M. Corradi, A. Alfaya Acuna, R. Desordi Lobo

**EP033** **15:30 – 16:30 ePoster Arena 5**  
**ePoster Mini-Oral Session**

**Vaccines work – benefits and concerns**

*Moderator* TBC

- EP0187** **Seroprevalence of human papillomavirus 16 and 18 among women and men in Tehran, Iran: implication for human papillomavirus vaccination**  
A. Ramezani\* [Tehran, Iran], A. Aghakhani, A. Velayati, M. Banifazl, S. Mamishi, S. Sabeti, F. Bidari-Zerehpooosh, A. Bavand
- EP0188** **Uncovering determinants for reporting suspected adverse events to the HPV vaccine**  
S. Jacobsen\* [Copenhagen, Denmark], P. Valentiner-Branth, K. Mølbak
- EP0189** **Measles vaccine virus RNA detection in breast milk of breast-feeding women vaccinated early post partum with a measles-mumps-rubella (MMR) vaccine: the BREMEAVAC study**  
O. Launay\* [Paris, France], S. Alain, P. Ancel, S. Hantz, A. Maugard, K. Nguyen, M. Dommergues, A. Eckman Lacroix, L. Mandelbrot, P. Sagot, M. Bardou, T. Schmitz, E. Jacqz-aigrain, A. Vabret, F. Goffinet
- EP0190** **Epidemiology and costs of herpes zoster and its complications in Italy and cost-effectiveness analysis of herpes zoster vaccination programmes: results from a multicentre study**  
C. Alicino\* [Genoa, Italy], S. Boccalini, D. Martinelli, A. Bechini, C. Trucchi, F. Fortunato, B. Pellizzari, A. Orsi, R. Prato, P. Bonanni, S. Iannazzo, G. Icardi

- EP0191** **The trend in the incidence of varicella and herpes zoster in Korea after implementation of universal 1-dose varicella vaccination, 2002–2015**  
J. Choi\* [Gyeonggi-do, South Korea], S. Park, K. Han
- EP0192** **An assessment of the impact of rotavirus vaccination on hospital efficiency between 2000 and 2015 in a large UK paediatric hospital**  
R. Cooke\* [Liverpool, United Kingdom], E. Heinsbroek, N. Cunliffe, N. French, H. Daniel, J. Cargill, E. Theodorou, B. Standaert
- EP0193** **Two-year experience with rotavirus vaccination in Estonia: changes in the epidemiology and aetiology of acute gastroenteritis in hospitalized patients aged 0–18**  
K. Kõivumägi\* [Tartu, Estonia], M. Maimets, R. Study Group, I. Lutsar
- EP0194** **Adult and juvenile immunity to mumps in Taiwan**  
Y. Wang\* [North District, Taiwan], Y. Ho, Y. Tsai, C. Chen, Y. Huang
- EP0195** **Increase of adult invasive pneumococcal disease (IPD) due to serotype 11A associated with the spread of the ST6521 recombinant clone in Spain**  
A. González Díaz\* [Barcelona, Spain], J. Càmarà, E. Cercenado, N. Larrosa, J. Marimon, M. Quesada, D. Fontals, M. Cubero, A. Martin-Galiano, J. Yuste, J. Linares, C. Ardanuy Tisaire

**EP034** **15:30 – 16:30 ePoster Arena 6**  
**ePoster Mini-Oral Session**

**Molecular typing**

*Moderator* Guido Werner [Wernigerode, Germany]

- EP0196** **Typing of *Legionella pneumophila* serogroup 1: the MALDI-TOF mass spectrometry could be an efficient screening method**  
O. Dauwalder\* [Bron, France], A. Ranc, P. Courault, S. Bidah, S. Mailler, I. Maffre, A. Miclot, R. Ottaviani, A. Bricout, C. Chavent, M. Arsac, C. Vidal, C. Ginevra, L. Beraud, G. Descours, M. Welker, F. Vandenesch, G. Durand, V. Girard, S. Jarraud
- EP0197** **NGS-based typing of *Shigella* spp. using a universal core genome MLST scheme**  
W. Ruppitsch\* [Vienna, Austria], A. Pietzka, S. Lepuschitz, M. Blaschitz, B. Springer, F. Allerberger, I. Lederer
- EP0198** **Whole-genome sequencing: a powerful tool in the investigation of patients colonized with carbapenem-resistant *Acinetobacter baumannii* in an intensive care unit**  
D. Ng\* [Singapore, Singapore], P. Rao, W. Khong, K. Marimuthu, J. Lee, B. Poh, Z. Wei, M. Raj, E. Tan, O. Ng, P. De, B. Ang
- EP0199** **Whole-genome sequence-based typing helps evaluating clusters of *Stenotrophomonas maltophilia* bacteraemia in patients undergoing haematopoietic stem cell transplantation (HSCT)**  
S. Kampmeier\* [Münster, Germany], A. Pettke, C. Reicherts, E. Idevich, M. Stelljes, A. Mellmann

- EP0200** **The first description of t10939 BORSA isolates in Scotland**  
*E. Dickson\* (Glasgow, United Kingdom), G. Phillips, J. Lee, L. Imrie, C. Alexander, J. Coia*
- EP0201** **Analysis of *spa* types with small repeats with wgMLST data**  
*D. Babenko\* (Karaganda, Kazakhstan), A. Chesca, M. Toleman*
- EP0202** **Inferring the phylogenetic relatedness of under-studied bacterial pathogen in the lack of closely related reference genome**  
*M. Abdelbary\* (Lausanne, Switzerland), L. Senn, E. Moulin, G. Prod'homme, A. Croxatto, G. Greub, D. Blanc*
- EP0203** **Useful discordance: economic justification for whole-genome sequencing of resistant bacteria in institutional outbreak management**  
*D. Hsu\* (London, United Kingdom), A. Jeffery Smith, K. Dhamija, A. Kearns, B. Pichon, M. Doumith, B. Cherian, R. Manuel, M. Cummins*
- EP0204** **IDTECT™ software and database: optimized analytical tools for clinical metagenomics in infectious diseases**  
*C. Hebert\* (Paris, France), J. Cheval, M. Gratigny*

**SY035 16:30 – 18:30 Hall C**  
**2-hour Symposium**

**Clinician, microbiologist and pathologist – joining efforts in diagnosis**

*Chairs Amparo Fernández-Rodríguez (Madrid, Spain), Laurent Andreoletti (Reims, France)*

**SY0205 16:30 Infectious sudden cardiac death in children and adolescents**

*Marta Cohen (Sheffield, United Kingdom)*

**SY0206 17:00 Cause of death in the ICU – autopsy findings**  
*Alexander Wilmer (Leuven, Belgium)*

**SY0207 17:30 Post-travel death**  
*Guy Richards (Parktown, South Africa)*

**SY0208 18:00 Emerging pathogen death – forensic diagnosis**  
*Alemka Markotic (Zagreb, Croatia)*

**Co-organized with: ESCMID Study Group for Forensic and Postmortem Microbiology (ESGFOR), ESCMID Study Group for Critically Ill Patients (ESGCIPI), European Society of Pathology (ESP)**

**SY036 16:30 – 18:30 Hall J**  
**2-hour Symposium**

**Interactions of the virome in the respiratory tract**

*Chairs Ron Dagan (Beer Sheva, Israel), Chrysanthi Skevaki (Marburg, Germany)*

**SY0209 16:30 Human respiratory virome**  
*David Pride (San Diego, United States)*

**SY0210 17:00 New aspects in the complex interplay of influenza viruses and *S. aureus* with innate immune responses**

*Christina Ehrhardt (Münster, Germany)*

**SY0211 17:30 The burden of respiratory viral disease in young and old – from acute to chronic**

*Harish Nair (Edinburgh, United Kingdom)*

**SY0212 18:00 Viral-bacterial interactions in the respiratory tract**  
*Debby Bogaert (Utrecht, Netherlands)*

**Co-organized with: ESCMID Vaccine Study Group (EVASG), Trainee Association of ESCMID (TAE)**

**SY037 16:30 – 18:30 Hall K**  
**2-hour Symposium**

**I have a dream: affordable antimicrobial drugs for all in need**

*Chairs Snjezana Zidovec Lepej (Zagreb, Croatia), Teri Roberts (Geneva, Switzerland)*

**SY0213 16:30 How to calculate fair prices of antimicrobials – methodological and practical issues**

*Melissa Barber (London, United Kingdom)*

**SY0214 17:00 How to produce high-quality but affordable antimicrobials – lessons from the past and current challenges**

*Jaideep Gogtay (Mumbai, India)*

**SY0215 17:30 Large-scale hepatitis C combating campaigns in Egypt and Georgia – past, current and future challenges**

*Fatma M. Amer (Zagazig, Egypt)*

**SY0216 18:00 WHO strategies towards the elimination of hepatitis B and C**

*Antons Mozalevskis (Copenhagen, Denmark)*

**SY038 16:30 – 18:30 Hall L**  
**2-hour Symposium**

**Infections in cancer patients**

*Chairs Johan Maertens (Leuven, Belgium), Murat Akova (Ankara, Turkey)*

**SY0217 16:30 Current epidemiology of MDR/XDR pathogen-related infections in febrile neutropenic cancer patients**

*Claudio Viscoli (Genoa, Italy)*

**SY0218 17:00 Antibacterial stewardship in febrile neutropenia – low-resistance vs high-resistance settings**

*Monica Slavin (Melbourne, Australia)*

**SY0219 17:30 New cancer treatments – what the ID specialist needs to know**

*Livio Pagano (Rome, Italy)*

**SY0220 18:00 What can we learn from the EORTC and what can we do together?**

*J. Peter Donnelly (Nijmegen, Netherlands)*

**Co-organized with: European Organisation for Research and Treatment of Cancer (EORTC), International Immunocompromised Host Society (ICHS)**

|                                                                          |                                                                                                                                                                                     |               |                                        |                                                                                                                                                                                                               |               |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>OS039</b>                                                             | <b>16:30 – 18:30</b>                                                                                                                                                                | <b>Hall A</b> | <b>OS040</b>                           | <b>16:30 – 18:30</b>                                                                                                                                                                                          | <b>Hall G</b> |
| <b>2-hour Oral Session</b>                                               |                                                                                                                                                                                     |               | <b>2-hour Oral Session</b>             |                                                                                                                                                                                                               |               |
| <b><i>Clostridium difficile</i> infections: epidemiology and outcome</b> |                                                                                                                                                                                     |               | <b>Advances in diagnostic mycology</b> |                                                                                                                                                                                                               |               |
| <i>Chairs</i>                                                            | <i>Elisabeth Nagy (Szeged, Hungary),<br/>John E. Coia (Glasgow, United Kingdom)</i>                                                                                                 |               | <i>Chairs</i>                          | <i>Maurizio Sanguinetti (Rome, Italy),<br/>Yunsong Yu (Hangzhou, China)</i>                                                                                                                                   |               |
| <b>OS0221 16:30</b>                                                      | <b>Multivariate analysis of factors affecting <i>Clostridium difficile</i> infection rates; the more you look, the more you find, but should you believe what you see?</b>          |               | <b>OS0231 16:30</b>                    | <b>Metagenomic analysis of eukaryotes microbiota in the gut of HIV-infected patients</b>                                                                                                                      |               |
|                                                                          | <i>K. Davies* (Leeds, United Kingdom), G. Davis,<br/>F. Barbut, C. Eckert, N. Petrosillo, R. Pisapia,<br/>E. Reigadas, E. Bouza Santiago, F. Berger,<br/>M. Herrmann, M. Wilcox</i> |               |                                        | <i>F. Bittar* (Marseille, France), I. Hamad, R. Abou<br/>Abdallah, D. Raoult</i>                                                                                                                              |               |
| <b>OS0222 16:42</b>                                                      | <b>Local-area socioeconomic status is associated with <i>Clostridium difficile</i> infection rates</b>                                                                              |               | <b>OS0232 16:42</b>                    | <b>Multi-locus variable number tandem repeat analysis (MLVA) of clinical and environmental isolates of <i>Aspergillus fumigatus</i> during major deconstruction work in a French hospital</b>                 |               |
|                                                                          | <i>S. Thelwall* (London, United Kingdom), J. Davies,<br/>A. Johnson, R. Hope</i>                                                                                                    |               |                                        | <i>S. Loeffert* (Lyon, France), E. Melloul, M. Gustin,<br/>L. Henaff, C. Guillot, D. Dupont, M. Wallon, P. Cassier,<br/>C. Dananché, T. Bénét, F. Botterel, J. Guillot,<br/>P. Vanhems</i>                    |               |
| <b>OS0223 16:54</b>                                                      | <b>A cluster of <i>Clostridium difficile</i> infections caused by a binary toxin-producing new PCR ribotype 826</b>                                                                 |               | <b>OS0233 16:54</b>                    | <b>Metabolic fingerprinting as a diagnostic tool for invasive aspergillosis: a pilot study</b>                                                                                                                |               |
|                                                                          | <i>M. Crobach* (Leiden, Netherlands), A. Voor in 't Holt,<br/>W. Knetsch, M. Wilcox, S. Van Dorp, M. Vos, E. Kuijper</i>                                                            |               |                                        | <i>M. Siopi* (Athens, Greece), C. Malavaki, V. Drinakis,<br/>S. Karakatsanis, C. Roumpakis, E. Eldeik,<br/>K. Korantanis, H. Sambatakou, N. Sipsas, P. Tsirigotis,<br/>M. Pagoni, M. Klapa, J. Meletiadis</i> |               |
| <b>OS0224 17:06</b>                                                      | <b>Clinical outcomes following hospitalization with <i>Clostridium difficile</i></b>                                                                                                |               | <b>OS0234 17:06</b>                    | <b>Detection of clinically relevant cryptic <i>Terrei</i> species using AsplD Multiplex qPCR kit</b>                                                                                                          |               |
|                                                                          | <i>A. Leanord* (Glasgow, United Kingdom), C. Robertson,<br/>J. Pan, I. Ford, C. McCowan, A. Walker, K. Kavanagh,<br/>M. Bennie, C. Marwick</i>                                      |               |                                        | <i>G. Johnson* (Newcastle upon Tyne, United<br/>Kingdom), M. Lackner, C. Lass-Flörl, S. Kirvell,<br/>S. Bustin</i>                                                                                            |               |
| <b>OS0225 17:18</b>                                                      | <b>EU-wide surveillance of <i>Clostridium difficile</i> provides opportunity to assess outcomes of <i>C. difficile</i> ribotype 027 infections</b>                                  |               | <b>OS0235 17:18</b>                    | <b>Analysis of genes regulating the production of the invasive aspergillosis biomarker bis (methylthio)gliotoxin within genus <i>Aspergillus</i> and other opportunistic fungi</b>                            |               |
|                                                                          | <i>P. Kinross* (Solna, Sweden), A. Hajdu, M. Rupnik,<br/>J. Kolman, V. Lesinszki, J. Pászti, A. Deptuła,<br/>H. Pituch, E. Kuijper, C. Suetens</i>                                  |               |                                        | <i>M. Vidal-García* (Zaragoza, Spain), S. Redrado,<br/>P. Marquina, M. Domingo, M. Revillo, A. Rezusta,<br/>J. Pardo Jimeno, E. Gálvez</i>                                                                    |               |
| <b>OS0226 17:30</b>                                                      | <b>Comparison of <i>Clostridium difficile</i> transmission in six English hospitals using whole-genome sequencing</b>                                                               |               | <b>OS0236 17:30</b>                    | <b>Optimal cut-offs for <i>Aspergillus</i>-specific IgG assays for the diagnosis of chronic pulmonary aspergillosis (CPA) in Europe</b>                                                                       |               |
|                                                                          | <i>D. Eyre* (Oxford, United Kingdom), W. Fawley,<br/>T. Peto, S. Walker, M. Wilcox</i>                                                                                              |               |                                        | <i>I. Page* (Manchester, United Kingdom),<br/>C. Hennequin, M. Richardson, E. Van Hoeyveld,<br/>A. Van Toorenbergen, D. Denning</i>                                                                           |               |
| <b>OS0227 17:42</b>                                                      | <b><i>Clostridium difficile</i> diversity across Europe from whole-genome sequencing</b>                                                                                            |               | <b>OS0237 17:42</b>                    | <b>Multi-modal imaging and non-invasive detection of <i>Aspergillus</i> infection in a rat model</b>                                                                                                          |               |
|                                                                          | <i>D. Eyre* (Oxford, United Kingdom), K. Davies,<br/>G. Davis, W. Fawley, A. Karas, D. Crook, T. Peto,<br/>S. Walker, M. Wilcox</i>                                                 |               |                                        | <i>A. Skriba* (Prague, Czech Republic), V. Havlicek,<br/>D. Luptakova, T. Pluhacek, O. Benada, L. Sokolova,<br/>A. Palyzova, J. Novak, K. Lemr, M. Petrik</i>                                                 |               |
| <b>OS0228 17:54</b>                                                      | <b><i>Clostridium difficile</i> infection in the Asia-Pacific region</b>                                                                                                            |               | <b>OS0238 17:54</b>                    | <b>Performance of dermatophyte PCR detection and identification at Statens Serum Institut, Denmark</b>                                                                                                        |               |
|                                                                          | <i>T. Riley* (Nedlands, Australia), D. Collins, K. Sohn,<br/>Y. Wu, K. Ouchi, Y. Ishii, B. Elliott, K. Tateda</i>                                                                   |               |                                        | <i>R. Jensen* (Copenhagen, Denmark), R. Petersen,<br/>M. Arendrup</i>                                                                                                                                         |               |
| <b>OS0229 18:06</b>                                                      | <b>Prediction of recurrent <i>Clostridium difficile</i> infection using metabolomics</b>                                                                                            |               | <b>OS0239 18:06</b>                    | <b>Mitochondrial <i>Pneumocystis jirovecii</i> gene expression: a promising tool for diagnosis</b>                                                                                                            |               |
|                                                                          | <i>K. Stein* (Dublin, Ireland), S. McDermott, F. Roche,<br/>S. Hennessy, S. Fitzgerald, L. Brennan, L. Fenelon</i>                                                                  |               |                                        | <i>M. Gits-Muselli* (Paris, France), C. Valero,<br/>S. Hamane, N. Guigue, B. Stéphane, A. Alanio</i>                                                                                                          |               |
| <b>OS0230 18:18</b>                                                      | <b>Hospital-onset diarrhoea prevalence, aetiology and management in the United Kingdom: the HOODINI study</b>                                                                       |               | <b>OS0240 18:18</b>                    | <b>Accuracy of PanFungal PCR sequencing for diagnosis of invasive fungal disease directly from clinical samples</b>                                                                                           |               |
|                                                                          | <i>D. Mawer* (York, United Kingdom), A. Kirby,<br/>F. Byrne, S. Drake, C. Brown, B. Warne, R. Bousfield,<br/>J. Skittrall, M. Wilcox, R. West, J. Sandoe,<br/>H. Collaborators</i>  |               |                                        | <i>C. Gomez* (Stanford, United States), I. Budvytiene,<br/>A. Zemek, N. Banaei</i>                                                                                                                            |               |



|                                                |                                                                                                                                                                           |               |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>OS041</b>                                   | <b>16:30 – 18:30</b>                                                                                                                                                      | <b>Hall H</b> |
| <b>2-hour Oral Session</b>                     |                                                                                                                                                                           |               |
| <b>Recent findings in international health</b> |                                                                                                                                                                           |               |
| <i>Chairs</i>                                  | <i>Corneliu Petru Popescu (Bucharest, Romania), Rogelio López-Vélez (Madrid, Spain)</i>                                                                                   |               |
| <b>OS0241 16:30</b>                            | <b>Public health notifications of infectious disease morbidity amongst four refugee populations in northern Greece</b>                                                    |               |
|                                                | <i>M. Gunst* (Washington D.C., United States), Z. Mahomed, S. Regmi, B. Feldman, K. Jarman, A. Lievesley, Z. Sahloul, M. Isreb, H. Lossius, A. Abbara</i>                 |               |
| <b>OS0242 16:42</b>                            | <b>Results of a systematic screening programme for strongyloidiasis in the immigrant population</b>                                                                       |               |
|                                                | <i>A. Rodriguez-Guardado* (Oviedo, Spain), L. Casado, J. Boga, E. De Andres-Galiana, J. Fernandez-Martinez, M. Rodriguez-Perez, J. Fernandez-Suarez, F. Vazquez</i>       |               |
| <b>OS0243 16:54</b>                            | <b>Results of a systematic screening programme of Chagas disease in the immigrant population in Spain</b>                                                                 |               |
|                                                | <i>A. Rodriguez-Guardado* (Oviedo, Spain), L. Casado, J. Boga, J. Fernandez-Martinez, M. Rodriguez-Perez, J. Fernandez-Suarez, M. Flores-Chavez, E. De Andres-Galiana</i> |               |
| <b>OS0244 17:06</b>                            | <b>Urological findings and praziquantel efficacy in immigrants from sub-Saharan Africa to Europe with genito-urinary schistosomiasis</b>                                  |               |
|                                                | <i>F. Rinaldi* (Florence, Italy), L. Zammarchi, M. Tilli, A. Mantella, A. Tuccio, A. Minervini, S. Agostini, A. Bartoloni</i>                                             |               |
| <b>OS0245 17:18</b>                            | <b>Total IgE does not support the diagnostic work-up in returning travelers and migrants presenting with eosinophilia</b>                                                 |               |
|                                                | <i>H. Salzer* (Borstel, Germany), T. Rolling, C. Vinnemeier, S. Schmiedel, M. Addo, J. Cramer</i>                                                                         |               |
| <b>OS0246 17:30</b>                            | <b>The UK Imported Fever Service; a national advisory service for rare and imported infections 2012–2016</b>                                                              |               |
|                                                | <i>K. Woods* (Salisbury, United Kingdom), L. Nabarro, J. Osborne, P. Chiodini, N. Beeching, M. Dryden, A. Simpson, E. Aarons, A. Semper, T. Brooks</i>                    |               |
| <b>OS0247 17:42</b>                            | <b>Assessment of quickSOFA to predict mortality in outpatient departments in urban Tanzania</b>                                                                           |               |
|                                                | <i>N. Boillat-Blanco* (Lausanne, Switzerland), Z. Mbarak, J. Samaka, T. Mlaganile, T. Kazimoto, A. Mamin, B. Genton, L. Kaiser, V. D'Acremont</i>                         |               |
| <b>OS0248 17:54</b>                            | <b>Acute histoplasmosis in immunocompetent travellers: a ten-year single-centre experience and systematic literature review</b>                                           |               |
|                                                | <i>S. Staffolani* (Ancona, Italy), A. Angheben, F. Barchiesi, F. Gobbi, D. Buonfrate, A. Beltrame, C. Farina, C. Savio, G. Monteiro, Z. Bisoffi</i>                       |               |
| <b>OS0249 18:06</b>                            | <b>London as a European centre for leprosy: lessons from a 20-year cohort of patients</b>                                                                                 |               |
|                                                | <i>A. McBride* (London, United Kingdom), V. De Sario, M. Armstrong, D. Lockwood</i>                                                                                       |               |

**OS0250 18:18 Antibiotic use in rural China: a One-Health study of knowledge, attitudes and practices**  
*O. Dyar\* (Stockholm, Sweden), D. Lili, K. Wikander, C. Sun, C. Greko, S. Qiang, C. Stålsby Lundborg*



|                                                               |                      |               |
|---------------------------------------------------------------|----------------------|---------------|
| <b>OS042</b>                                                  | <b>16:30 – 18:30</b> | <b>Hall I</b> |
| <b>Late-breaker Oral Session</b>                              |                      |               |
| <b>Recent clinical trials</b>                                 |                      |               |
| <i>Details are only available online (www.eccmidlive.org)</i> |                      |               |

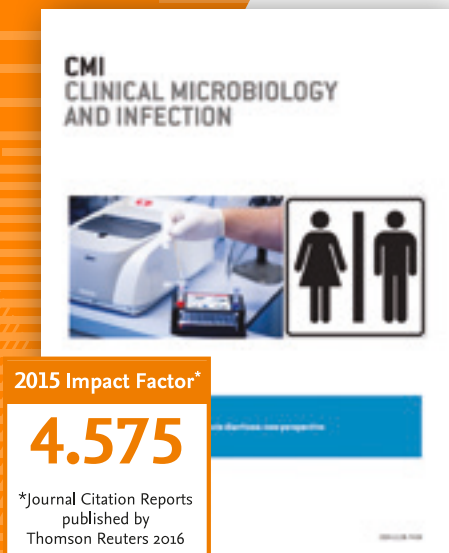


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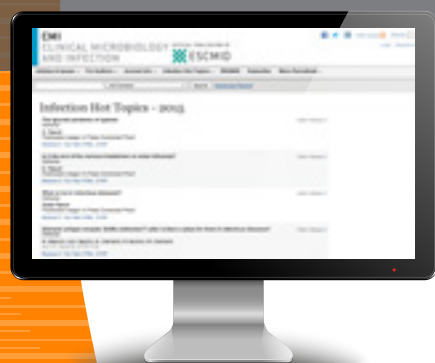
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  - Observational studies examining patient management in infectious diseases  
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# Scientific Programme Overview

## Sunday, 23 April 2017

| Hall A                                                                                | Hall B                                                                                    | Hall C                                                   | Hall D                                                                                                                                                     | Hall E                                                                                                  | Hall F                                                                                           |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                                                                                       | <b>07:45 – 08:45</b>                                                                      | <b>07:45 – 08:45</b>                                     |                                                                                                                                                            |                                                                                                         |                                                                                                  |
|                                                                                       | ME043<br>How to use new diagnostic methods in fever of unknown origin                     | ME044<br>How to get your paper accepted?                 |                                                                                                                                                            |                                                                                                         |                                                                                                  |
| <b>09:00 – 11:00</b>                                                                  | <b>09:00 – 11:00</b>                                                                      | <b>09:00 – 11:00</b>                                     | <b>09:00 – 11:00</b>                                                                                                                                       | <b>09:00 – 11:00</b>                                                                                    | <b>09:00 – 11:00</b>                                                                             |
| SY048<br>Cure for viral diseases                                                      | SY049<br>Transmission of plasmid-borne resistance – a new paradigm for infection control? | SY050<br>Invasive candidiasis in 2017                    | IS10<br>“CMV+” – What to do with your transplant patient?                                                                                                  | IS11<br>Unravelling the complexities: management of complicated infections in a challenging environment | IS12<br>Innovating in clinical microbiology when time matters most: the global fight against AMR |
|                                                                                       | IC                                                                                        | ID                                                       |                                                                                                                                                            |                                                                                                         |                                                                                                  |
| <b>11:30 – 12:30</b>                                                                  | <b>11:30 – 12:30</b>                                                                      | <b>11:30 – 12:30</b>                                     | <b>11:30 – 12:30</b>                                                                                                                                       | <b>11:30 – 12:30</b>                                                                                    | <b>11:30 – 12:30</b>                                                                             |
| KN056<br>Contemplating an end to the HIV epidemic – what is left to be done?          | OS062<br>New developments in non-tuberculous mycobacteria                                 | SY058<br>Plasmid ecology and evolution                   | SY059<br>Electronic decision support revisited                                                                                                             | OS063<br>Changing face of Gram-negative resistance epidemiology                                         | OS064<br>Infective endocarditis                                                                  |
|                                                                                       |                                                                                           |                                                          | ID                                                                                                                                                         |                                                                                                         | ID                                                                                               |
| <b>12.30 – 14.30 Lunch Break / ePoster Mini-Oral Sessions / Paper Poster Sessions</b> |                                                                                           |                                                          |                                                                                                                                                            |                                                                                                         |                                                                                                  |
| <b>14:30 – 15:30</b>                                                                  | <b>14:30 – 15:30</b>                                                                      | <b>14:30 – 15:30</b>                                     | <b>14:30 – 15:30</b>                                                                                                                                       | <b>14:30 – 15:30</b>                                                                                    | <b>14:30 – 15:30</b>                                                                             |
| SY081<br>Top papers in virology                                                       | SY082<br>Emerging threat of <i>Mycobacterium abscessus</i>                                | OS086<br>New approaches in molecular diagnostic virology | OS087<br>The role of the microbiome in pathogenesis                                                                                                        | SY083<br>Vaccine hesitancy impacts individual and public health                                         | OS088<br>Treatment and mortality related with carbapenem-resistant Enterobacteriaceae            |
|                                                                                       |                                                                                           | CM                                                       |                                                                                                                                                            |                                                                                                         |                                                                                                  |
| <b>15.30 – 16.00 Coffee Break</b>                                                     |                                                                                           |                                                          |                                                                                                                                                            |                                                                                                         |                                                                                                  |
| <b>16:00 – 18:00</b>                                                                  | <b>16:00 – 18:00</b>                                                                      | <b>16:00 – 18:00</b>                                     | <b>16:00 – 18:00</b>                                                                                                                                       | <b>16:00 – 18:00</b>                                                                                    | <b>16:00 – 18:00</b>                                                                             |
| SY091<br>Year in Clinical Microbiology                                                | OS095<br>Late-breaker: news in vaccine research                                           | SY092<br>Pregnancy and infection                         | IS13<br>Early appropriate antibiotic therapy: facing the challenge of resistant infections due to <i>Pseudomonas</i> and ESBL-producing Enterobacteriaceae | IS14<br>Latest clinical insights on real-world use of beta-lactam antibiotics                           | IS15<br>Multiplex molecular diagnostics in infectious diseases: innovation and value discovery   |

## Colour Key

■ Educational Workshops, Meet the Expert Sessions 
 ■ Symposia 
 ■ Oral Sessions 
 ■ Keynote Lectures 
 ■ ePoster Presentations  
■ TAE Trainees Day 2017  
■ Integrated Symposia are not included in this book. Please refer to the Integrated Symposia and Exhibition Guide for session details.

## Sessions specifically interesting for:

IC Infection Control Practitioners 
 ID Infectious Disease Fellows 
 CM Clinical Microbiologists

| Hall G                                                             | Hall H                                                                                                                                       | Hall I                                                                             | Hall J                                                                             | Hall K                                                                    | Hall L                                                                             |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                                                                    | <b>07:45 – 08:45</b>                                                                                                                         | <b>07:45 – 08:45</b>                                                               | <b>07:45 – 08:45</b>                                                               |                                                                           | <b>07:45 – 08:45</b>                                                               |
|                                                                    | IS09<br>Improved test, improved care: syndromic approach to managing respiratory tract infections with the new FilmArray Respiratory Panel 2 | ME045<br>How to improve reliability in infection surveillance                      | ME046<br>Diagnostic tools for parasites – serology, rapid tests and imaging        |                                                                           | ME047<br>How to use fosfomycin in the MDR era?                                     |
|                                                                    |                                                                                                                                              | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">IC</span> | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CM</span> |                                                                           |                                                                                    |
| <b>09:00 – 11:00</b>                                               |                                                                                                                                              | <b>09:00 – 11:00</b>                                                               | <b>09:00 – 11:00</b>                                                               | <b>09:00 – 11:00</b>                                                      | <b>09:00 – 11:00</b>                                                               |
| SY051<br>Coagulase-negative staphylococci (CoNS) – true pathogens! |                                                                                                                                              | SY052<br>Year in Infection Control                                                 | SY053<br>What is hot in parasitology?                                              | OS055<br>The complex epidemiology of carbapenemases                       | SY054<br>Endocarditis update                                                       |
|                                                                    |                                                                                                                                              |                                                                                    |                                                                                    |                                                                           | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">ID</span> |
| <b>11:30 – 12:30</b>                                               | <b>11:30 – 12:30</b>                                                                                                                         | <b>11:30 – 12:30</b>                                                               | <b>11:30 – 12:30</b>                                                               | <b>11:30 – 12:30</b>                                                      | <b>11:30 – 12:30</b>                                                               |
| OS065<br>Biofilm: novel research tools and properties              | OS066<br>Host-pathogen interactions provide opportunities for novel therapy                                                                  | SY060<br>Top papers in mycology                                                    | KN057<br>Malaria elimination                                                       | SY061<br>Forever young by manipulating the microbiota – mission possible? | OS067<br>Pneumococcal vaccines for adults or children or both?                     |

## 12.30 – 14.30 Lunch Break / ePoster Mini-Oral Sessions / Paper Poster Sessions

| <b>14:30 – 15:30</b>                                     | <b>14:30 – 15:30</b>                                   | <b>14:30 – 15:30</b>                                                           | <b>14:30 – 15:30</b>                                                               | <b>14:30 – 15:30</b>                                                                  | <b>14:30 – 15:30</b>                                                      |
|----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| OS089<br>Host-pathogen interaction in biofilm infections | OS090<br>A patchwork of innovative approaches in PK/PD | KN079<br>Excellence Award Lecture: Sepsis: making progress, but not yet there! | SY084<br>Surgical site infection prevention worldwide                              | KN080<br>The role of intestinal microbiota to combat antimicrobial-resistant bacteria | SY085<br>Community-acquired pneumonia – update on diagnosis and treatment |
|                                                          |                                                        |                                                                                | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">IC</span> |                                                                                       |                                                                           |

## 15.30 – 16.00 Coffee Break

| <b>16:00 – 18:00</b>                                   | <b>16:00 – 18:00</b>                                       | <b>16:00 – 18:00</b>                                              | <b>16:00 – 18:00</b>                   | <b>16:00 – 18:00</b>                                                               | <b>16:00 – 18:00</b>                                             |
|--------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------|
| OS096<br>Molecular biology of Gram-negative resistance | OS097<br>Biofilms: novel methods in treatment & prevention | IS16<br>Diagnostic solutions to address One Health AMR challenges | OS098<br>New frontiers in reducing SSI | SY093<br>Best infection control practices in a culturally diverse world            | SY094<br>What's hot in the treatment of bacterial MDR organisms? |
|                                                        |                                                            |                                                                   |                                        | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">IC</span> |                                                                  |

# Scientific Programme

## Sunday, 23 April 2017

|                                                                    |                                            |        |
|--------------------------------------------------------------------|--------------------------------------------|--------|
| ME043                                                              | 07:45 – 08:45                              | Hall B |
| Meet-the-Expert Session                                            |                                            |        |
| How to use new diagnostic methods in fever of unknown origin       |                                            |        |
| Experts                                                            |                                            |        |
| ME0251                                                             | Alastair McGregor (London, United Kingdom) |        |
| ME0252                                                             | Alberto Signore (Rome, Italy)              |        |
| Co-organized with: European Association of Nuclear Medicine (EANM) |                                            |        |

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|----------------------------------------|--------------------------------------------|--------|
| ME044                                  | 07:45 – 08:45                              | Hall C |
| <b>Meet-the-Expert Session</b>         |                                            |        |
| <b>How to get your paper accepted?</b> |                                            |        |
| <i>Experts</i>                         |                                            |        |
| ME0253                                 | Leonard Leibovici (Petah-Tiqva, Israel)    |        |
| ME0254                                 | John S. McConnell (London, United Kingdom) |        |

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| ME045                                                                                                                             | 07:45 – 08:45                            | Hall I |
| Meet-the-Expert Session                                                                                                           |                                          |        |
| How to improve reliability in infection surveillance                                                                              |                                          |        |
| Experts                                                                                                                           |                                          |        |
| ME0255                                                                                                                            | Gabriel Birgand (London, United Kingdom) |        |
| ME0256                                                                                                                            | Carl Suetens (Stockholm, Sweden)         |        |
| Co-organized with: ESCMID Study Group for Nosocomial Infections (ESGNI), ESCMID Study Group for Infections in the Elderly (ESGIE) |                                          |        |

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|-------------------------------------------------------------------------|--------------------------------------|--------|
| ME046                                                                   | 07:45 – 08:45                        | Hall J |
| Meet-the-Expert Session                                                 |                                      |        |
| Diagnostic tools for parasites – serology, rapid tests and imaging      |                                      |        |
| Experts                                                                 |                                      |        |
| ME0257                                                                  | Majda Thurnher (Vienna, Austria)     |        |
| ME0258                                                                  | Hanspeter Marti (Basel, Switzerland) |        |
| Co-organized with: ESCMID Study Group for Clinical Parasitology (ESGCP) |                                      |        |

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|----------------------------------------------|---------------------------------------|--------|
| ME047                                        | 07:45 – 08:45                         | Hall L |
| <b>Meet-the-Expert Session</b>               |                                       |        |
| <b>How to use fosfomycin in the MDR era?</b> |                                       |        |
| <i>Experts</i>                               |                                       |        |
| ME0259                                       | Aurélien Dinh (Garches, France)       |        |
| ME0260                                       | Jesús Rodríguez-Baño (Seville, Spain) |        |

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|-------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------|
| SY048                                                             | 09:00 – 11:00 | Hall A                                                                                                               |
| 2-hour Symposium                                                  |               |                                                                                                                      |
| Cure for viral diseases                                           |               |                                                                                                                      |
| Chairs                                                            |               |                                                                                                                      |
| Wenhui Li (Beijing, China),<br>Massimo Puoti (Milan, Italy)       |               |                                                                                                                      |
| SY0261                                                            | 09:00         | Achieved HCV cure and what is thereafter?<br>Dominique Salmon-Ceron (Paris, France)                                  |
| SY0262                                                            | 09:30         | What drugs are coming for HBV cure?<br>Andrew Ustianowski (Manchester, United Kingdom)                               |
| SY0263                                                            | 10:00         | Immunotherapy and latency reversal as strategies to cure HIV-infection<br>Ole Sogaard (Aarhus, Denmark)              |
| SY0264                                                            | 10:30         | Potential for HIV cure by stem cell transplantation; the IciStem project<br>Annemarie Wensing (Utrecht, Netherlands) |
| Co-organized with: ESCMID Study Group for Viral Hepatitis (ESGVH) |               |                                                                                                                      |

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|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| SY049                                                                                   | 09:00 – 11:00                                                                                                                                                                       | Hall B |
| <b>2-hour Symposium</b>                                                                 |                                                                                                                                                                                     |        |
| <b>Transmission of plasmid-borne resistance – a new paradigm for infection control?</b> |                                                                                                                                                                                     |        |
| <i>Chairs</i>                                                                           |                                                                                                                                                                                     |        |
| Teresa Coque (Madrid, Spain),<br>Jan A.J.W. Kluytmans (Breda, Netherlands)              |                                                                                                                                                                                     |        |
| SY0265                                                                                  | 09:00 <b>The role of conjugative plasmids in the nosocomial spread of antimicrobial resistance in Gram-negatives – what is the evidence?</b><br>Roberto Melano (Toronto, Canada)    |        |
| SY0266                                                                                  | 09:30 <b>Horizontal transfer of antimicrobial resistance in patients and the environment</b><br>Amy Mathers (Charlottesville, United States)                                        |        |
| SY0267                                                                                  | 10:00 <b>Is there enough evidence from research on plasmid-encoded antimicrobial resistance to change infection control guidelines?</b><br>Surbhi Malhotra-Kumar (Antwerp, Belgium) |        |
| SY0268                                                                                  | 10:30 <b>In silico detection and typing of plasmids using whole-genome sequence data – applications in infection control</b><br>Henrik Hasman (Copenhagen, Denmark)                 |        |

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|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------|
| SY050                                                                                         | 09:00 – 11:00                                                                                                  | Hall C |
| <b>2-hour Symposium</b>                                                                       |                                                                                                                |        |
| <b>Invasive candidiasis in 2017</b>                                                           |                                                                                                                |        |
| <i>Chairs</i>                                                                                 |                                                                                                                |        |
| Manuel Cuenca-Estrella (Madrid, Spain),<br>Dimitrios P. Kontoyiannis (Houston, United States) |                                                                                                                |        |
| SY0269                                                                                        | 09:00 <b>Host susceptibility to <i>Candida</i> infections</b><br>Michail S. Lionakis (Bethesda, United States) |        |
| SY0270                                                                                        | 09:30 <b>Trends in <i>Candida</i> infection epidemiology</b><br>Mario Fernandez Ruiz (Madrid, Spain)           |        |

- SY0271 10:00 Non-culture-based diagnostics**  
*Cornelia Lass-Flörl (Innsbruck, Austria)*
- SY0272 10:30 When and where is antifungal treatment de-escalation possible and safe?**  
*Jean-Francois Timsit (Paris, France)*

**SY051 09:00 – 11:00 Hall G**  
**2-hour Symposium**

**Coagulase-negative staphylococci (CoNS) – true pathogens!**

*Chairs* *Guido Werner (Wernigerode, Germany),  
Carmen Espinosa-Gongora (Frederiksberg, Denmark)*

**SY0273 09:00 *S. epidermidis* – insights in pathogenesis from genomics**  
*Ashley Robinson (Jackson, United States)*

**SY0274 09:30 Coagulase-negative staphylococci as sources for dissemination of resistance determinants**  
*Maria Miragaia (Oeiras, Portugal)*

**SY0275 10:00 *S. capitis* – a world-wide multidrug-resistant clone responsible for sepsis in neonatal intensive care units**  
*Frederic Laurent (Lyon, France)*

**SY0276 10:30 *S. lugdunensis* – an overlooked pathogen**  
*Karsten Becker (Münster, Germany)*

Co-organized with: ESCMID Study Group for Staphylococci and Staphylococcal Diseases (ESGS), ESCMID Study Group for Veterinary Microbiology (ESGVM)

**SY052 09:00 – 11:00 Hall I**  
**2-hour Symposium**

**Year in Infection Control**

*Chairs* *Hilary Humphreys (Dublin, Ireland),  
Achilles Gikas (Iraklio, Crete, Greece)*

**SY0277 09:00 Part I**  
*Sarah Tschudin Sutter (Basel, Switzerland)*

**SY0278 09:30 Part II**  
*Anna-Pelagia Magiorakos (Stockholm, Sweden)*

**SY0279 10:00 Part III**  
*Issam Raad (Houston, United States)*

**SY0280 10:30 Discussion**

**SY053 09:00 – 11:00 Hall J**  
**2-hour Symposium**

**What is hot in parasitology?**

*Chairs* *Titia M. Kortbeek (Bilthoven, Netherlands),  
Carmen-Michaela Cretu (Bucharest, Romania)*

**SY0281 09:00 *Cryptosporidium***  
*Gagandeep Kang (Vellore, India)*

**SY0282 09:30 Neurocysticercosis – an update**  
*Hector H. Garcia (Lima, Peru)*

**SY0283 10:00 Babesiosis in animals and humans**  
*Annetta Zintl (Dublin, Ireland)*

**SY0284 10:30 Human strongyloidiasis: time to act?**  
*Zeno Bisoffi (Verona, Italy)*

**SY054 09:00 – 11:00 Hall L**  
**2-hour Symposium**

**Endocarditis update**

*Chairs* *Lars Olaison (Gothenburg, Sweden),  
Zeina Kanafani (Beirut, Lebanon)*

**SY0285 09:00 Endocarditis prophylaxis 2017**  
*Martin H. Thornhill (Sheffield, United Kingdom)*

**SY0286 09:30 Fungal endocarditis**  
*Mario Venditti (Rome, Italy)*

**SY0287 10:00 Update on HACEK endocarditis**  
*Pierre Tattevin (Rennes, France)*

**SY0288 10:30 Pros and cons of different combination therapies for enterococcal endocarditis**  
*Nuria Fernandez-Hidalgo (Barcelona, Spain)*

Co-organized with: ESCMID Study Group for Bloodstream Infections and Sepsis (ESGBIS)

**OS055 09:00 – 11:00 Hall K**  
**2-hour Oral Session**

**The complex epidemiology of carbapenemases**

*Chairs* *Patrice Nordmann (Fribourg, Switzerland),  
Giuseppe Cornaglia (Verona, Italy)*

**OS0289 09:00 First report of OXA-producing *Kluyvera ascorbata* isolates recovered from patients admitted in a hospital in Madrid**  
*M. Hernández García\* (Madrid, Spain), R. Leon-Sampredo, B. Pérez-Viso, M. Morosini Reilly, C. Díaz-Agero, N. López Fresneña, T. Coque, M. Bonten, S. Malhotra-Kumar, P. Ruiz-Garbajosa, R. Canton Moreno*

**OS0290 09:12 Outbreak due to an extensively drug-resistant *Klebsiella pneumoniae*-harbouring bla<sub>NDM-1</sub> and/or bla<sub>OXA-48</sub> in Barcelona, Spain**  
*J. Càmarà\* (Barcelona, Spain), E. Shaw, M. Cubero, F. Tubau, L. Gavalda, C. Ardanuy Tisaire, M. Pujol, M. Domínguez Luzon*



- OS0291 09:24 Ability of *bla*NDM to disseminate worldwide into extensively drug-resistant bacterial hosts poses a major challenge to infection control and treatment: a global multi-centred whole-genome sequencing analysis**  
*T. Don Tek Ng*\* (Singapore, Singapore), *W. Khong*, *J. Lee*, *P. Harris*, *H. Sidjabat*, *H. Zowawi*, *G. Rajahram*, *A. Hameed*, *J. Menon*, *F. Fong*, *K. Hopkins*, *D. Wareham*, *P. Ho*, *S. Lo*, *A. Lau*, *R. Isozumi*, *R. Patel*, *S. Cunningham*, *S. Vasoo*, *M. Kojic*
- OS0292 09:36 The dissemination of *bla*NDM-5 was mediated by both vertical (*Escherichia coli* ST-167) and horizontal (an IncX3 plasmid) transfer**  
*Y. Feng*\* (Chengdu, China), *Z. Zong*, *X. Zhang*
- OS0293 09:48 Extensive clonal spread of *Klebsiella pneumoniae* ST11 NDM-1 in Poland**  
*A. Baraniak*\* (Warsaw, Poland), *M. Machulska*, *R. Izdebski*, *J. Fiett*, *K. Bojarska*, *E. Literacka*, *A. Kosińska*, *M. Herda*, *W. Hryniewicz*, *M. Gniadkowski*, *D. Zabicka*
- OS0294 10:00 Molecular characterization of carbapenemase-producing Enterobacteriaceae clinical isolates from Pakistan using next-generation sequencing**  
*C. Lascols*\* (Atlanta, United States), *A. Conley*, *M. Crawford*, *R. Timme*, *S. Lomonaco*, *D. Fisher*, *S. Sharma*, *M. Allard*, *K. Anderson*, *D. Hodge*, *S. Pillai*, *S. Morse*, *E. Khan*, *M. Hughes*, *L. Weigel*
- OS0295 10:12 Identification of OXA-48-producing *K. pneumoniae* ST15 as an inter-hospital spreading clone in the South of Spain**  
*L. Lopez Cerero*\* (Seville, Spain), *J. Machuca*, *F. Fernández-Cuenca*, *L. Mora*, *C. Mediavilla*, *Gradolph*, *I. López Rodríguez*, *A. Pascual Hernandez*
- OS0296 10:24 Rapid reshuffling of Tn4401 transposon variants and plasmids carrying *bla*KPC in *Klebsiella pneumoniae* ST196 within a single hospital outbreak**  
*A. Sheppard*\* (Oxford, United Kingdom), *N. Stoesser*, *D. Eyre*, *R. Sebra*, *K. Vegesana*, *I. German Mesner*, *J. Ainsworth*, *T. Peto*, *A. Walker*, *D. Crook*, *A. Mathers*
- OS0297 10:36 Multiclonal outbreak of highly resistant OXA-48-producing *Klebsiella pneumoniae* strains in a tertiary care hospital: attack of the clones**  
*D. Zarkotou*\* (Piraeus, Greece), *K. Avgouleas*, *C. Louka*, *L. Politi*, *V. Mamali*, *K. Digalaki*, *A. Tsakris*, *S. Pournaras*
- OS0298 10:48 Pan-aminoglycoside resistance: the emergence of 16S rRNA methyltransferases in the UK**  
*E. Taylor*\* (London, United Kingdom), *K. Hopkins*, *S. Sriskandan*, *N. Woodford*

**KN056 11:30 – 12:30 Hall A**  
**Keynote Lecture**

**Contemplating an end to the HIV epidemics – what is left to be done?**

*Chair* *Mario Poljak* (Ljubljana, Slovenia)

**KN0299 11:30 Françoise Barré-Sinoussi**  
*(Paris, France)*



Much progress has been made in the development of tools to prevent, diagnose and treat HIV infection. However, we still do not have a vaccine and antiretroviral treatments are not curative as HIV persists in many compartments of the body. The implementation of these tools at large scale worldwide remains a critical challenge as well as the sustainability of these life-long therapies. Recent advances in our understanding of protective immune responses and of HIV persistence have generated some optimism about the development of novel vaccine and HIV cure strategies, which are an absolute necessity to end the HIV epidemics.

**KN057 11:30 – 12:30 Hall J**  
**Keynote Lecture**

**Malaria elimination**

*Chair* *Kristine Morch* (Bergen, Norway)

**KN0300 11:30 Nicholas White**  
*(Bangkok, Thailand)*



It is over sixty years since the first attempt at global eradication of malaria began, and fifty years since that was abandoned. There is now renewed enthusiasm for elimination, and many malaria endemic countries have set ambitious targets to achieve this. With a marked increase in financial support, there has been a substantial improvement in the deployment of effective preventive measures (mainly insecticide treated bed-nets) and drugs (artemisinin combination therapies). The global burden of malaria has declined as a consequence. But drug and insecticide resistance threaten these gains. The future is uncertain.

**SY058 11:30 – 12:30 Hall C**  
**1-hour Symposium**

**Plasmid ecology and evolution**

*Chairs* *Pål Johnsen* (Tromsø, Norway),  
*Teresa Coque* (Madrid, Spain)

**SY0301 11:30 Biofilm growth affects the evolution of plasmid persistence**

*Eva Top* (Moscow, United States)

**SY0302 12:00 The role of multicopy plasmids in the evolution of antibiotic resistance**

*Alvaro San Millan* (Oxford, United Kingdom)

|                                                                             |                                                                                                                                                                                                                                                                                                                                          |        |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| SY059                                                                       | 11:30 – 12:30<br>1-hour Symposium                                                                                                                                                                                                                                                                                                        | Hall D |
| <b>Electronic decision support revisited</b>                                |                                                                                                                                                                                                                                                                                                                                          |        |
| Chairs                                                                      | Agnes Wechsler-Fördös (Vienna, Austria),<br>José Ramón Pano-Pardo (Zaragoza, Spain)                                                                                                                                                                                                                                                      |        |
| SY0303                                                                      | 11:30 Decision support systems for antibiotic choices – better then their reputation?<br>Leonard Leibovici (Petah-Tiqva, Israel)                                                                                                                                                                                                         |        |
| SY0304                                                                      | 12:00 What does a systematic review of clinical decision support systems for antimicrobial management tell us?<br>Timothy Rawson (London, United Kingdom)                                                                                                                                                                                |        |
| SY060                                                                       | 11:30 – 12:30<br>1-hour Symposium                                                                                                                                                                                                                                                                                                        | Hall I |
| <b>Top papers in mycology</b>                                               |                                                                                                                                                                                                                                                                                                                                          |        |
| Chairs                                                                      | Arnaldo Colombo (São Paulo, Brazil),<br>Joseph Meletiadis (Rotterdam, Greece)                                                                                                                                                                                                                                                            |        |
| SY0305                                                                      | 11:30 Diagnostics/laboratory<br>Michaela Lackner (Innsbruck, Austria)                                                                                                                                                                                                                                                                    |        |
| SY0306                                                                      | 12:00 Clinical/bedside/treatment<br>Carolina Garcia Vidal (Barcelona, Spain)                                                                                                                                                                                                                                                             |        |
| Co-organized with: ESCMID Fungal Infection Study Group (EFISG)              |                                                                                                                                                                                                                                                                                                                                          |        |
| SY061                                                                       | 11:30 – 12:30<br>1-hour Symposium                                                                                                                                                                                                                                                                                                        | Hall K |
| <b>Forever young by manipulating the microbiota – mission possible?</b>     |                                                                                                                                                                                                                                                                                                                                          |        |
| Chairs                                                                      | Mical Paul (Haifa, Israel),<br>Leonardo Pagani (Bologna, Italy)                                                                                                                                                                                                                                                                          |        |
| SY0307                                                                      | 11:30 Observations from the ELDERMET cohort<br>Ian B. Jeffery (Cork, Ireland)                                                                                                                                                                                                                                                            |        |
| SY0308                                                                      | 12:00 Frailty and the gut<br>Claire Steves (London, United Kingdom)                                                                                                                                                                                                                                                                      |        |
| Co-organized with: ESCMID Study Group for Infections in the Elderly (ESGIE) |                                                                                                                                                                                                                                                                                                                                          |        |
| OS062                                                                       | 11:30 – 12:30<br>1-hour Oral Session                                                                                                                                                                                                                                                                                                     | Hall B |
| <b>New developments in non-tuberculous mycobacteria</b>                     |                                                                                                                                                                                                                                                                                                                                          |        |
| Chairs                                                                      | Dick van Soolingen (Bilthoven, Netherlands),<br>Emmanuelle Cambau (Paris, France)                                                                                                                                                                                                                                                        |        |
| OS0309                                                                      | 11:30 Postponing the decision on surgical intervention means even large Buruli ulcers can heal with antibiotics only; a randomized clinical trial on the role of surgery<br>Y. Stienstra* (Groningen, Netherlands), A. Wadagni, Y. Barogui, R. Johnson, G. Sopoh, T. Van der Werf, F. Hédiblé, F. Ahohou, J. De Zeeuw, J. Kleinnijenhuis |        |

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|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| OS0310                                                        | 11:42 New genomic insights into <i>Mycobacterium kansasii</i> virulence<br>F. Tagini* (Lausanne, Switzerland), T. Pillonel, G. Prod'homme, K. Jaton, G. Greub                                                                                                                                                                  |        |
| OS0311                                                        | 11:54 <i>In silico</i> analysis of proteins encoded by <i>Mycobacterium leprae</i> 3-hydroxyacyl-CoA dehydrogenase ( <i>fadB</i> ) paralogous genes: a bioinformatics approach for drug target identification<br>O. Ojo* (Albany, United States), B. Iwalokun, T. Wilson                                                       |        |
| OS0312                                                        | 12:06 Utility of direct pan-mycobacterial 16S rDNA PCR on clinical samples in the diagnostic of nontuberculosis mycobacteria infections<br>O. Opota* (Lausanne, Switzerland), S. Andenmatten, G. Greub, K. Jaton                                                                                                               |        |
| OS0313                                                        | 12:18 Is there a role for bedaquiline in the treatment of non-tuberculous mycobacterial diseases?<br>J. Van Ingen* (Nijmegen, Netherlands), K. Remmers, S. Kuipers, M. Wattenberg                                                                                                                                              |        |
| OS063                                                         | 11:30 – 12:30<br>1-hour Oral Session                                                                                                                                                                                                                                                                                           | Hall E |
| <b>Changing face of Gram-negative resistance epidemiology</b> |                                                                                                                                                                                                                                                                                                                                |        |
| Chairs                                                        | Sarah Tschudin Sutter (Basel, Switzerland),<br>Panayotis T. Tassios (Athens, Greece)                                                                                                                                                                                                                                           |        |
| OS0314                                                        | 11:30 Using patient stories from carbapenemase-producing Enterobacteriaceae (CPE)-positive patients in a quality-improvement project to understand and improve the patient experience at University Hospital Limerick in Ireland<br>B. Slevin* (Limerick, Ireland), C. O'Connor, S. O'Donnell, N. O Connell                    |        |
| OS0315                                                        | 11:42 Carbapenem resistance found in community patients admitted to the emergency department: known risk factors and unknown reasons for colonization<br>M. Salomão* (São Paulo, Brazil), I. Boszczowski, T. Guimaraes, D. Duailibi, L. Suemi Harifa Letai, A. Cardoso Montal, F. Rossi, A. Cury, A. Duarte, A. Sara Levin     |        |
| OS0316                                                        | 11:54 Large nosocomial outbreak of extended-spectrum beta-lactamase-producing <i>Enterobacter cloacae</i> at one Belgian university hospital<br>Y. Glupczynski* (Yvoir, Belgium), A. Noel, I. Michaux, S. Dupont, S. Lessire, A. Dincq, L. Melly, T. Huang, N. Ausselet, C. Dransart, B. Delaere, B. Rondelet                  |        |
| OS0317                                                        | 12:06 Investigation by whole-genome sequencing of two outbreaks of NDM-producing <i>Klebsiella pneumoniae</i> in Belgium<br>S. Roisin* (Brussels, Belgium), A. Heinrichs, M. Argudín, R. De Mendonca, A. Deplano, L. Nienhaus, C. Bauraing, T. Huang, J. Dombrecht, K. De Bruyne, S. Place, B. Byl, Y. Glupczynski, D. Olivier |        |

**OS0318 12:18 Real-time genomic investigation of an outbreak of carbapenem-resistant *Acinetobacter baumannii* in an intensive care unit**  
*P. Harris\** (Herston, Australia), L. Roberts, B. Forde, G. Nimmo, N. George, J. McNamara, M. Woods, K. Hajkiewicz, J. Lipman, M. Schembri, D. Paterson, S. Beatson



**OS064 11:30 – 12:30 Hall F**  
**1-hour Oral Session**

**Infective endocarditis**

*Chairs* José María Miró Meda (Barcelona, Spain), Bruno Hoen (Pointe-à-Pitre, France)

**OS0319 11:30 *In vivo* efficacy of daptomycin in experimental endocarditis caused by vancomycin-resistant *Enterococcus faecium***  
*S. Reissier\** (Paris, France), A. Saleh-Mghir, F. Guérin, L. Massias, C. Sinel, M. Auzou, V. Cattoir, A. Crémieux

**OS0320 11:42 Pharmacokinetic modelling of gentamicin in treatment of infective endocarditis: model development and validation of existing models**  
*A. Gomes\** (Groningen, Netherlands), L. Van der Wijk, J. Proost, B. Sinha, D. Touw

**OS0321 11:54 Characteristics of infective endocarditis and predictive factors of surgical intervention in patients admitted to a large Italian tertiary hospital**  
*M. Ripa\** (Milano, Italy), G. Coppalini, S. Chiappetta, S. Carletti, I. Casa, A. Castiglioni, B. Castiglioni, P. Cichero, M. De Bonis, M. Guffanti, I. Scarfò, G. Tambussi, P. Scarpellini

**OS0322 12:06 Influence of age in infectious endocarditis**  
*C. Armiñanzas\** (Santander, Spain), J. Zarauza, E. Bouza, P. Munoz, V. González, M. Goenaga, K. Reviejo, J. Pericas Pulido, D. Sousa, M. Montejo Baranda, A. De Alarcón, J. Oteo, J. Gálvez-Acebal, F. Gutierrez, M. Farinas

**OS0323 12:18 Implantation of permanent pacemaker was associated with an increased risk of infective endocarditis – a nationwide population-based cohort study in Taiwan**  
*S. Chen\** (Taipei, Taiwan), F. Wang, H. Huang

**OS065 11:30 – 12:30 Hall G**  
**1-hour Oral Session**

**Biofilm: novel research tools and properties**

*Chairs* Veronika Hola (Brno, Czech Republic), Antonio Oliver (Palma de Mallorca, Spain)

**OS0324 11:30 Biofilm formation of *Staphylococcus aureus* under CuCl<sub>2</sub> or CuSO<sub>4</sub> influence: impedance analyses as tool for early biofilm development detection**  
*A. Paulitsch-Fuchs\** (Leeuwarden, Netherlands), D. Toplitsch, L. Michelitsch, E. Fuchs, G. Zarfel, C. Kittinger

**OS0325 11:42 Optimization of fluorimetric and confocal microscopy techniques to unravel vancomycin activity against *Staphylococcus aureus* biofilms**

*S. Pinto\** (Lisbon, Portugal), D. Mil-Homens, M. Castanho, M. Prieto, A. Coutinho, A. Veiga

**OS0326 11:54 Generation and characterization of persister cells of *Staphylococcus aureus* and *Pseudomonas aeruginosa***

*L. Grassi\** (Pisa, Italy), M. Di Luca, G. Maisetta, S. Esin, A. Trampuz, G. Batoni

**OS0327 12:06 Capsule production interferes with biofilm formation by *Pasteurella multocida* serogroup A**

*T. Inzana\** (Blacksburg, United States), B. Petrucci, R. Briggs, E. Swords, C. De Castro, A. Molinaro, A. Dickerman

**OS0328 12:18 Comparative description of *in vitro* and *in vivo* MRSA biofilms on titanium surfaces: why animal models still matter**

*H. Bouloussa\** (Garches, France), A. Saleh-Mghir, C. Valotteau, C. Court, V. Humblot, A. Crémieux

**OS066 11:30 – 12:30 Hall H**  
**1-hour Oral Session**

**Host-pathogen interactions provide opportunities for novel therapy**

*Chairs* Mona Johannessen (Tromsø, Norway), Annelies Zinkernagel (Zurich, Switzerland)

**OS0329 11:30 The Trojan-horse hypothesis for the genesis of invasive bacterial infection**  
*M. Oggioni\** (Leicester, United Kingdom), G. Ercoli, V. Fernandes, P. Andrew, E. Moxon, L. Martinez-Pomares

**OS0330 11:42 Translatable therapeutic effects of extracellular superoxide dismutase (ecSOD) in the treatment of *Staphylococcus aureus* infections**  
*M. Pulse\** (Fort Worth, United States), W. Weiss, L. Dory, J. Simecka

**OS0331 11:54 Role of Toll-like receptor 13 in pneumococcal recognition by macrophages**

*S. Dyckhoff\** (Munich, Germany), P. Oldemeier, B. Angele, T. Scholtysik, C. Kirschning, U. Ködel

**OS0332 12:06 The peptide SET-M33 as novel agent to neutralize and remove LPS in patients with sepsis**

*A. Pini\** (Siena, Italy), L. Quercini, C. Falciani, J. Brunetti, B. Luisa, G. Roscia, C. Ambrosini

**OS0333 12:18 Interferon-gamma can reverse sepsis-induced immunosuppression of monocytes**

*E. Giamarellos-Bourboulis\** (Athens, Greece), M. Mouktaroudi, N. Antonakos, I. Tsagkaris, A. Pistiki

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| <b>OS067</b>                                                 | <b>11:30 – 12:30</b>                                                                                                                                                                                                                                                                                                                           | <b>Hall L</b> |
| <b>1-hour Oral Session</b>                                   |                                                                                                                                                                                                                                                                                                                                                |               |
| <b>Pneumococcal vaccines for adults or children or both?</b> |                                                                                                                                                                                                                                                                                                                                                |               |
| <i>Chairs</i>                                                | <i>Hanna M. Nohynek (Helsinki, Finland),<br/>Roman Prymula (Hradec Kralove, Czech Republic)</i>                                                                                                                                                                                                                                                |               |
| <b>OS0334 11:30</b>                                          | <b>Effectiveness of PCV13 vaccine in adults over 65 to prevent community-acquired pneumonia</b>                                                                                                                                                                                                                                                |               |
|                                                              | <i>G. Lopardo* (Vicente Lopez, Argentina), D. Fridman,<br/>C. Vizzotti, E. Raimondo, N. Giglio, P. Micone,<br/>M. Gonzalez, D. Stambouliau</i>                                                                                                                                                                                                 |               |
| <b>OS0335 11:42</b>                                          | <b>Impact of 13-valent pneumococcal conjugate vaccine (pcv13) on serotype distribution causing invasive pneumococcal disease in two European regions</b>                                                                                                                                                                                       |               |
|                                                              | <i>E. Santacatterina* (Padua, Italy), M. Ercibengoa,<br/>G. Palu, J. Marimón Ortiz de Zárate</i>                                                                                                                                                                                                                                               |               |
| <b>OS0336 11:54</b>                                          | <b>Invasive disease-causing <i>Streptococcus pneumoniae</i> trends and risk factors in adults after five years of systematic vaccination with 13-valent pneumococcal conjugate vaccine</b>                                                                                                                                                     |               |
|                                                              | <i>P. Juiz Gonzalez* (Ferrol, Spain), S. Mendez Lage,<br/>N. Somaza Serantes, I. Losada, M. Rodriguez Mayo,<br/>G. Barbeito, F. Vasallo Vidal, F. Garcia Garrote,<br/>I. Paz Vidal, V. Pulián Moráis, I. Rodriguez Conde,<br/>M. González, M. Serrano López, P. Alonso Alonso,<br/>G. Naveira Barbeito, X. Hervada Vidal, J. Agulla Budiño</i> |               |
| <b>OS0337 12:06</b>                                          | <b>Should we start vaccinating adults with pneumococcal conjugate vaccines?</b>                                                                                                                                                                                                                                                                |               |
|                                                              | <i>M. Corcoran* (Dublin, Ireland), I. Vickers,<br/>M. McElligott, J. Mereckiene, S. Murchan, S. Cotter,<br/>M. Fitzgerald, M. Cafferkey, R. Cunney,<br/>H. Humphreys</i>                                                                                                                                                                       |               |
| <b>OS0338 12:18</b>                                          | <b>Does a 4-dose paediatric schedule with pneumococcal conjugate vaccine provide a better herd effect against pneumonia than a 3-dose schedule?</b>                                                                                                                                                                                            |               |
|                                                              | <i>C. Laferriere* (Kirkland, Canada), S. Dion, J. Hanley,<br/>M. Loeb, M. Major, S. McNeil, N. Qizilbash, J. Vojcic</i>                                                                                                                                                                                                                        |               |

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| <b>EP068</b>                              | <b>12:30 – 13:30</b>                                                                                                         | <b>ePoster Arena 1</b> |
| <b>ePoster Mini-Oral Session</b>          |                                                                                                                              |                        |
| <b>Host responses to viral infections</b> |                                                                                                                              |                        |
| <i>Moderator</i>                          | <i>Alemka Markotic (Zagreb, Croatia)</i>                                                                                     |                        |
| <b>EP0339</b>                             | <b>Tick-borne encephalitis (TBE) in Croatia in the 14-year period (2002–2015) and the importance of rapid TBE diagnosis</b>  |                        |
|                                           | <i>O. Dakovic Rode* (Zagreb, Croatia), L. Jemersic,<br/>N. Cetinic Balent, M. Rode, M. Kosanović<br/>M. Kujundzic Tiljak</i> |                        |
| <b>EP0340</b>                             | <b>Intrathecal complement activation by the classical pathway in patients with tick-borne encephalitis (TBE)</b>             |                        |
|                                           | <i>M. Veje* (Gothenburg, Sweden), C. Eriksson,<br/>M. Studahl, T. Bergström</i>                                              |                        |

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| <b>EP0341</b> | <b>Determination of BK virus nephropathy biomarkers in urine samples from kidney transplant recipients by proteomics</b>                                                                                                                                  |  |
|               | <i>I. Los-Arcos* (Barcelona, Spain), L. Martín,<br/>F. Canals, F. Moreso, L. Girado, M. Crespo, N. Sabe,<br/>O. Bestard, G. Ariceta, M. Perello, J. Gavalda i Santapau, O. Len</i>                                                                        |  |
| <b>EP0342</b> | <b>Age-dependent dysregulation of interferon response in HIV-1 infected patients on long-term combination antiretroviral therapy</b>                                                                                                                      |  |
|               | <i>A. Pierangeli* (Rome, Italy), C. Selvaggi, M. Statzu,<br/>G. Corano Scheri, C. Pinacchio, I. Schietroma,<br/>I. Mezzaroma, O. Turriziani, G. D'Ettore, V. Vullo,<br/>G. Antonelli, C. Scagnolari</i>                                                   |  |
| <b>EP0344</b> | <b>Human cytomegalovirus (HCMV)-specific memory T-cell response and its correlation with HCMV transmission to the fetus in pregnant women with primary infection</b>                                                                                      |  |
|               | <i>I. Cassaniti* (Pavia, Italy), C. Fornara, M. Zavattani,<br/>M. Furione, K. Adzasehoun, G. Comolli, F. Baldanti</i>                                                                                                                                     |  |
| <b>EP0345</b> | <b>Characterization and impact of the CMV-specific humoral immune response on controlling CMV infection in solid organ transplant recipients at low risk for CMV infection</b>                                                                            |  |
|               | <i>A. Molina Ortega* (Seville, Spain), P. Perez-Romero,<br/>C. Martin Gandul, M. Suñer, D. Mena Romo,<br/>M. Sanchez, P. Blanco Lobo, D. Rangel Sousa,<br/>C. Bernal, M. Gentil, E. Cordero Matias</i>                                                    |  |
| <b>EP0346</b> | <b>Evaluation of B clonality in HIV-positive patients in different clinical stages of the disease and its association with clinical parameters</b>                                                                                                        |  |
|               | <i>S. Valderrama Beltran* (Bogota, Colombia),<br/>C. Cedales, S. Gualtero, C. Hernandez, C. Saavedra,<br/>S. Fiorentino, S. Quijano</i>                                                                                                                   |  |
| <b>EP0347</b> | <b>T-cell phenotype and function during human acute Zika infections</b>                                                                                                                                                                                   |  |
|               | <i>C. Agrati* (Rome, Italy), E. Cimini, C. Castilletti,<br/>A. Sacchi, R. Casetti, V. Bordoni, A. Romanelli,<br/>F. Turchi, F. Martini, N. Tumino, E. Nicastri,<br/>A. Corpolongo, A. Di Caro, G. Kobinger, A. Zumla,<br/>G. Ippolito, M. Capobianchi</i> |  |

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| <b>EP069</b>                                                                  | <b>12:30 – 13:30</b>                                                                                                                                                                   | <b>ePoster Arena 2</b> |
| <b>ePoster Mini-Oral Session</b>                                              |                                                                                                                                                                                        |                        |
| <b>Tissue penetration and optimized dosing in special patient populations</b> |                                                                                                                                                                                        |                        |
| <i>Moderator</i>                                                              | <i>Markus Zeitlinger (Vienna, Austria)</i>                                                                                                                                             |                        |
| <b>EP0348</b>                                                                 | <b>Pharmacokinetics of fixed dose telavancin in obese and non-obese adult subjects</b>                                                                                                 |                        |
|                                                                               | <i>K. Bunnell* (Chicago, United States), M. Sikka,<br/>S. Bleasdale, E. Wenzler, M. Pai, L. Danziger,<br/>K. Rodvold</i>                                                               |                        |
| <b>EP0349</b>                                                                 | <b>Is higher dosing of colistin required in cystic fibrosis patients?</b>                                                                                                              |                        |
|                                                                               | <i>H. Van Kan* (Apeldoorn, Netherlands), A. Otten,<br/>L. Van Gendt-de Jong, B. Koch, A. Van Zanten,<br/>B. Rijnders, M. Van der Eerden, R. Hoek,<br/>M. Van Westreenen, M. Bakker</i> |                        |



- EP0350** Population pharmacokinetic modelling of ceftazidime and avibactam in the plasma and epithelial lining fluid of healthy volunteers  
*S. Das\** (Macclesfield, United Kingdom),  
*R. Dimelow, J. Wright, M. Macpherson, P. Newell*
- EP0351** Population pharmacokinetic (PPK) analysis for lefamulin plasma and epithelial lining fluid (ELF) exposures using data from healthy subjects  
*C. Rubino\** (Schenectady, United States),  
*L. Zhang, S. Bhavnani, P. Ambrose, S. Gelone, W. Wicha*
- EP0352** Pharmacodynamics of ceftazidime plus tobramycin combination dosage regimens against hypermutable *Pseudomonas aeruginosa* isolates at simulated epithelial lining fluid concentrations in a dynamic *in vitro* model  
*C. Landersdorfer\** (Parkville, Australia), *A. Oh, H. Bilal, T. Kotsimbos, A. Peleg, J. Boyce, J. Bulitta, A. Oliver, B. Shiin, R. Nation, P. Bergen*
- EP0353** Epithelial lining fluid penetration of temocillin administered by continuous infusion in critically ill patients with nosocomial pneumonia  
*V. Clotilde\** (Liège, Belgium), *N. Lajios, V. Mistretta, N. Maes, F. Van Bambeke, F. Fripiat*
- EP0354** Optimization of beta-lactam loading doses in severe sepsis and septic shock  
*P. Englert\** (Brussels, Belgium), *F. Jacobs, F. Taccone, J. Creteur, F. Cotton, M. Hites*
- EP0355** Beta-lactam and quinolone pharmacokinetic/pharmacodynamic target attainment in critically ill patients (EXPAT)  
*A. Abdulla\** (Rotterdam, Netherlands), *N. Hunfeld, A. Dijkstra, S. Duran, J. Mouton, D. Gommers, T. Van Gelder, B. Koch*
- EP0356** Development and validation of a dosing nomogram for continuous infusion of meropenem in critically ill patients  
*I. Minichmayr\** (Berlin, Germany), *O. Frey, A. Brinkmann, A. Roehr, J. Roberts, C. Kloft*

- EP0359** Microbiome dynamics during stem cell transplantation in children using total gut decontamination as graft-versus-host prophylaxis  
*V. Bekker\** (Leiden, Netherlands), *W. Knetsch, I. Sanders, D. Berghuis, P. Van het Hof, C. Harmanus, R. Bredius, A. Lankester, E. Kuijper*
- EP0360** Faecal microbiota transplantation (FMT) in multiple recurrent *Clostridium difficile* infection. Experience of the first consolidate programme in Spain  
*J. Cobo\** (Madrid, Spain), *R. Del Campo, E. Rodríguez-Santiago, J. Foruny, A. García-Paredes, J. Hermida, F. Dronda, L. Aguilera, S. García-Fernández, A. López San Román*
- EP0361** Establishment and first experiences of the non-profit Netherlands Donor Faeces Bank  
*E. Terveer\** (Leiden, Netherlands), *Y. Van Beurden, M. Dijkgraaf, E. Van Nood, A. Goorhuis, M. Bauer, J. Seegers, C. Mulder, C. Vandenbroucke-Grauls, H. Verspaget, J. Keller, E. Kuijper*
- EP0362** A faecal transplant case series; the work of the Wessex Faecal Transplantation Service, UK  
*A. Flatt\** (Petersfield, United Kingdom), *K. Bicknell, C. Fagg, R. Porter*
- EP0363** Randomized, controlled, open-label study comparing the efficacy of extended-pulsed fidaxomicin (EPFX) with vancomycin therapy for sustained clinical cure of *Clostridium difficile* infection in an older population: the EXTEND study  
*B. Guery\** (Lausanne, Switzerland), *F. Menichetti, S. Goldenberg, K. Bisnauthsing, J. Aguado Garcia, V. Anttila, C. Longshaw, G. Kazeem, A. Karas, N. Adomakoh, O. Cornely, M. Vehreschild*
- EP0364** We are what we eat: genome-based One Health analysis of *E. coli* suggests otherwise  
*C. Ludden\** (London, United Kingdom), *K. Raven, T. Gouliouris, B. Blane, P. Naydenova, J. Hernandez, P. Wood, N. Hadjirin, M. Radakovic, A. MacGowan, N. Brown, M. Holmes, J. Parkhill, S. Peacock*

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| EP070                                                      | 12:30 – 13:30                                                                                                                                                               | ePoster Arena 3 |
| ePoster Mini-Oral Session                                  |                                                                                                                                                                             |                 |
| Intestinal dysbiosis – from pathogens to treatment options |                                                                                                                                                                             |                 |
| Moderator                                                  | Patrizia Kump (Graz, Austria)                                                                                                                                               |                 |
| EP0357                                                     | Ulcerative colitis-associated <i>Escherichia coli</i> colonize the intestinal mucosa of susceptible host and promote colitis via haemolysin production                      |                 |
|                                                            | H. Mirsepasi-Lauridsen* (Copenhagen, Denmark),<br>H. Yang, E. Bosman, C. Struve, H. Yu, X. Wu,<br>C. Ma, A. Fotovati, A. Petersen, K. Jacobson,<br>K. Kroghelt, B. Vallance |                 |
| EP0358                                                     | The intestinal dysbiosis found in inflammatory bowel disease patients are linked to colonization with extra-intestinal pathogenic <i>Escherichia coli</i>                   |                 |
|                                                            | H. Mirsepasi-Lauridsen* (Copenhagen, Denmark),<br>M. Vester-Andersen, N. Sørensen, K. Kroghelt,<br>F. Bendtsen, A. Petersen                                                 |                 |

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| <b>EP071</b>                     | <b>12:30 – 13:30</b>                                                                                                                                        | <b>ePoster Arena 4</b> |
| <b>ePoster Mini-Oral Session</b> |                                                                                                                                                             |                        |
| <b>Staphylococcal virulence</b>  |                                                                                                                                                             |                        |
| Moderator                        | <i>Henry Chambers (San Francisco, United States)</i>                                                                                                        |                        |
| <b>EP0365</b>                    | <b>Autophagy and intracellular expression of phenol-soluble modulins are required for cytotoxicity of hypervirulent <i>Staphylococcus aureus</i></b>        |                        |
|                                  | <i>C. Dupieux-Chabert* (Lyon, France), L. Filippi, D. Sinnadurai, P. Verlhac, M. Clavière, F. Vandenesch, M. Faure, J. Rasigade, F. Laurent</i>             |                        |
| <b>EP0366</b>                    | <b>In endocarditis <i>Staphylococcus aureus</i> and <i>Staphylococcus lugdunensis</i> can adhere to the heart valve by binding to von Willebrand factor</b> |                        |
|                                  | <i>L. Liesenborghs* (Leuven, Belgium), J. Claes, M. Peetermans, R. Veloso, M. Lox, W. Peetermans, T. Vanassche, M. Houlaerts, P. Verhamme</i>               |                        |

- EP0367** **The virulome of community-associated *S. aureus* associated with skin and soft tissue infections and nasal colonization**  
G. Lee\* (San Antonio, United States), J. Shurko, S. Dallas, Y. Wang, R. Olsen, C. Frei
- EP0368** **Effects of *Staphylococcus aureus* foldase PrsA on protein A secretion**  
M. Lin\* (Kwei-Shan Tao-Yuan, Taiwan), C. Lu
- EP0369** **Influence of the genetic background of *Staphylococcus aureus* strains in the study of their virulence on the *Galleria mellonella* model**  
J. Caillon\* (Nantes, France), S. Hussler, R. Lecomte, V. Le Mabecque, P. Donnio
- EP0370** **Demographic fluctuation of USA300 and European ST80 CA-MRSA lineages: potential role of flimsy antibiotic exposure in fitness increase**  
C. Gustave\* (Bron, France), A. Tristan, P. Martins-Simoes, M. Stegger, Y. Benito, P. Andersen, M. Bes, P. Glaser, F. Laurent, T. Wirth, F. Vandenesch
- EP0371** **Pathophysiological mechanisms of bone and joint infections of coagulase-negative staphylococci: specific behavior of *Staphylococcus lugdunensis***  
Y. Maali\* (Lyon, France), D. Laetitia, P. Martins Simões, A. Monteix, F. Valour, T. Ferry, F. Vandenesch, F. Laurent, T. Sophie
- EP0372** **Diversity and dynamics of resistotypes of *Staphylococcus aureus* during chronic airway infection of cystic fibrosis patients**  
B. Kahl\* (Münster, Germany), L. Ueberhorst, T. Thissen, B. Husmann, S. Deiwick, H. Rengbers, A. Dübbers, C. Keßler, P. Küster, H. Schültingkemper, C. Neumann
- EP0373** **Association between vancomycin MIC with virulence gene expression and clonal complexes of methicillin-susceptible *Staphylococcus aureus* (MSSA) strains isolated from left-sided endocarditis**  
J. Miro\* (Barcelona, Spain), J. Pericas, C. Cervera, C. Garcia-de-la-Maria, B. Sharma, R. Gonzales, A. Moreno, M. Almela, C. Falces, E. Quintana, D. Fuster, F. Marco, A. Bayer, V. Fowler,

- EP0376** **Impact in therapy of rapid phenotypic detection of carbapenemase production by CarbaNP test directly from blood cultures from hospitalized patients**  
D. Lima Morales\* (Porto Alegre, Brazil), H. Avila, L. Lutz, A. Zavascki, A. Barth
- EP0377** **The application of RAPIDEC CARBA NP test (bioMérieux) directly on simulated blood cultures enables rapid detection of carbapenemase-producing strains**  
S. Vourli\* (Athens, Greece), N. Koumasi, E. Kalogeropoulou, K. Chatzigeorgiou, C. Koulis, A. Tarpatzi, V. Miriagou, L. Zerva
- EP0378** **Evaluation of rapid carbapenemase-detection methods on *Klebsiella pneumoniae* isolates from 9 European countries**  
A. Pavelkovich\* (Tallinn, Estonia), M. Ivanova, E. Sepp, K. Ratnik, T. Rööp, S. Egorova, L. Kaftyreva, J. Miciuleviciene, A. Balode, M. Saule, D. Tsereteli, G. Chakhunashvili, D. Lysenko, D. O Lis, M. Wesołowska, L. Titov, J. Shyshporonok, S. Lehmann, P. Naaber
- EP0379** **Evaluation and validation of newly developed spectrophotometric HRC assay for detection of carbapenemases in Enterobacteriaceae**  
V. Rotova\* (Plzen, Czech Republic), C. Papagiannitsis, A. Skalova, K. Chudejova, J. Hrabak
- EP0380** **The evaluation of the performance of the MBT STAR-BL Test for the rapid detection of carbapenemase activity in Enterobacteriaceae**  
O. Karatuna\* (Istanbul, Turkey), M. Kaya, I. Akyar
- EP0381** **Evaluation of an algorithm based on faropenem and temocillin for the phenotypic detection of carbapenemase-producing Enterobacteriaceae**  
L. Dortet\* (Le Kremlin-Bicêtre, France), S. Bernabeu, T. Naas

**EP072** **12:30 – 13:30** **ePoster Arena 5**  
**ePoster Mini-Oral Session**

**Improved carbapenemase detection**

**Moderator** Robert Bonomo (Cleveland, United States)

- EP0374** **Evaluation of the AusDiagnostics Easy-PlexTM assay for detection of carbapenemases and colistin resistance genes *mcr-1/-2* in multi-drug-resistant Gram-negative bacteria**  
D. Meunier\* (London, United Kingdom), N. Woodford, K. Hopkins

- EP0375** **Multicentre evaluation of the BYG Carba test v2.0, a simplified electrochemical assay for the rapid laboratory detection of carbapenemase-producing Enterobacteriaceae**  
P. Bogaerts\* (Yvoir, Belgium), S. Queslati, D. Meunier, C. Nonhoff, K. Hopkins, L. Dortet, O. Denis, T. Naas, N. Woodford, Y. Glupczynski

**EP072A** **12:30 – 13:30** **ePoster Arena 6**  
**Late-breaker Mini-Oral Session**

**What else is being discussed out there?**

Details are only available online  
([www.eccmidlive.org](http://www.eccmidlive.org))

**EP073** **13:30 – 14:30** **ePoster Arena 1**  
**ePoster Mini-Oral Session**

**How long will HBV and other viral vaccine-induced protection last?**

**Moderator** Heidi Theeten (Antwerp, Belgium)

- EP0382** **Hepatitis B immune status in an at-risk population: long-lasting vaccine immunity but insufficient coverage**  
O. Epaulard\* (Grenoble, France), S. Hustache, L. Moyroud, L. Goirand



- EP0383** Long-term effectiveness of HBV vaccination programme: a need for a booster dose and its effectiveness  
Z. Said\* (Cairo, Egypt), I. Salama, S. Samy, S. Salama, T. Rabah, A. Tawfic, M. El-Sayed
- EP0384** The effectiveness of hepatitis B vaccine in patients receiving immunomodulator therapy  
A. Haykir Solay\* (Ankara, Turkey), A. Acar, F. Civelek Eser, E. Tutuncu, F. Altay, I. Sencan
- EP0385** Antibody level after hepatitis B vaccination in haemodialysis patients  
H. Oh\* (Singapore, Singapore), L. Hipolito
- EP0386** Efficacy of a single dose of fendrix for hepatitis B virus vaccination in previously non-responding renal transplant recipients  
A. Bienholz\* (Essen, Germany), M. Lindemann, M. Zaslavskaya, M. Fiedler, A. Heinold, P. Horn, O. Witzke
- EP0387** Persistence of yellow fever vaccine-induced antibodies after allogeneic haematopoietic stem-cell transplantation  
B. Wyplosz\* (Le Kremlin-Bicêtre, France), M. Adler, V. Lapierre, C. Castilla-Llorente, J. Bourhis, B. Gachot
- EP0388** Vaccination status of patients with chronic liver disease referred to a transplantation centre  
B. Wyplosz\* (Le Kremlin-Bicêtre, France), T. Antonini, O. Derradji, J. Duclos-Vallée, D. Samuel, J. Gagnard

- EP0393** Dosage individualization of voriconazole for immunocompromised patients  
V. Ramos-Martin\* (Liverpool, United Kingdom), S. Whalley, A. Santoyo-Castelazo, L. Credidio, L. Thornhill, R. Salim, M. Neely, W. Hope
- EP0394** Exploring the effect of tigecycline upon the fungicidal activity of liposomal amphotericin B  
M. Azevedo\* (Porto, Portugal), R. Teixeira-Santos, E. Ricardo, A. Rodrigues, C. Pina-Vaz
- EP0395** Investigating novel genetic markers for the identification of clinically relevant *Mucorales*  
T. Larentis\* (Innsbruck, Austria), R. Ferreira Caramalho, C. Lass-Flörl, M. Lackner
- EP0396** The cost of treating mucormycosis with isavuconazole compared with liposomal amphotericin B followed by posaconazole in Germany: economic evaluation of the phase III VITAL study and FungiScope matched case-control analysis  
D. Kuessner\* (Basel, Switzerland), E. Bagshaw, M. Blackney, S. Heimann, C. Escrig, J. Posthumus, O. Cornely
- EP0397** *In vitro* activity of APX001A and comparators against clinical isolates of rare moulds  
A. Alastruey-Izquierdo\* (Majadahonda, Spain), O. Rivero-Menéndez, M. Cuenca-Estrella

**EP074** 13:30 – 14:30 ePoster Arena 2  
ePoster Mini-Oral Session

**Novel data on mould infections**

- Moderator Dimitrios Kontoyiannis (Houston, United States)
- EP0389** *Aspergillus* colonization is genetically controlled in fungal allergy  
S. Gago\* (Manchester, United Kingdom), D. Denning, P. Bowyer
- EP0390** Molecular characterization of *Aspergillus terreus* species complex in clinical isolates: a multi-centre study in eight university hospitals  
S. Imbert\* (Paris, France), F. Botterel, A. Normand, S. Ranque, J. Costa, C. Hennequin, I. Accoceberry, C. Bonnal, S. Houze, A. Fekkar, N. Bourgeois, R. Piarroux, E. Dannaoui
- EP0391** Prevalence and resistance mechanisms of environmental azole-resistant *Aspergillus fumigatus* in Taiwan  
C. Wu\* (Tainan, Taiwan), H. Wang, J. Huang, Y. Chen, M. Hsieh, P. Chou, C. Dai
- EP0392** Development of cross-resistance to echinocandins by *Aspergillus fumigatus* following exposure to anidulafungin  
S. Costa-de-Oliveira\* (Porto, Portugal), A. Silva, P. Oliveira, I. Miranda, C. Pina-Vaz, A. Rodrigues

**EP075** 13:30 – 14:30 ePoster Arena 3  
ePoster Mini-Oral Session

**New antibiotics – new approaches**

- Moderator Matthew Cooper (St. Paul, United States)
- EP0398** Octapeptins – new lipopeptides to treat MDR polymyxin-resistant Gram-negative bacteria  
M. Blaskovich\* (Brisbane, Australia), A. Elliott, K. Hansford, A. Gallardo-Godoy, M. Pitt, B. Becker, M. Butler, S. Troeira Henriques, J. Huang, M. Duc, D. Ganesamoorthy, L. Lash, L. Coin, M. Cooper
- EP0399** Activity of novel pyrrolocytosine protein synthesis inhibitors against multi-resistant Gram-negative bacteria, including carbapenemase producers and those with MCR-1  
A. Vickers\* (London, United Kingdom), S. Mushtaq, N. Woodford, D. Livermore
- EP0400** Microparticles loaded with daptomycin are successful in the treatment of experimental methicillin-resistant *Staphylococcus aureus* implant-associated infections  
A. Woischnig\* (Basel, Switzerland), L. Gonçalves, I. Ribeiro, A. Bettencourt, N. Khanna
- EP0401** Efficacy of lysophosphatidylcholine (LPC) alone and in combination with antimicrobial agents in experimental murine peritoneal sepsis and pneumonia models by *Pseudomonas aeruginosa*  
R. Ayerbe Algaba\* (Seville, Spain), P. Raquel, M. Jiménez-Mejías, A. Miró Canturri, M. Pachon-Ibáñez, J. Domínguez-Herrera, C. Díaz, J. Perez del Palacio, L. López-Cortés, J. Pachon-Díaz, Y. Smani

- EP0402** **Cysteamine as an antibiotic resistance breaker**  
*D. Fraser-Pitt\* (Aberdeen, United Kingdom), D. Mercer, D. Smith, J. Robertson, E. Lovie, M. Cole, M. Doumith, R. Hill, K. Hopkins, N. Woodford, D. O'Neil*
- EP0403** **Apramycin demonstrates high antibacterial potency against MDR Gram-negative clinical isolates with MIC90s superior to benchmark aminoglycoside antibiotics**  
*S. Hobbie\* (Zurich, Switzerland), P. Keller, F. Imkamp, C. Castelberg, M. Marchesi, E. Böttger*
- EP0404** **Transcriptome functional analysis of *Clostridium difficile* exposed to ridinilazole; insight into potential mechanism of action**  
*E. Basseres\* (Houston, United States), E. Bradley, R. Vickers, M. Alam, K. Begum, K. Garey*
- EP0405** **Lefamulin selectively inhibits bacterial protein synthesis**  
*S. Paukner\* (Vienna, Austria), A. Gruss, R. Riedl*

**EP076 13:30 – 14:30 ePoster Arena 4**  
**ePoster Mini-Oral Session**

**Surveillance of HAI and AMR**

- Moderator* **EP0406** **Monitoring antimicrobial resistance in the Norwegian environment using wild red foxes as an indicator**  
*S. Sølvørød Mo\* (Oslo, Norway), K. Madslie, L. Nesse, J. Slettebø, M. Sunde, A. Urdahl, M. Norström*
- EP0407** **The MuSICARe survey on antimicrobial resistance control in Italy**  
*A. Pan\* (Cremona, Italy), C. Pasquarella, A. Patroni, M. Moro, A. Vezzoni, C. Curti, F. Auxilia, M. Barchitta, V. Ciorba, I. Mura, M. Massucci, F. Luzzaro, P. Tasegian, G. Privitera, M. D'Errico, S. Nardi, M. Tinelli, M. Lupi, G. Benetti, A. Goglio*
- EP0409** **World Health Organization period prevalence survey on multidrug-resistant microorganisms in healthcare**  
*B. Allegranzi\* (Geneva, Switzerland), N. Damani, A. Gayet-Ageron, A. Stewardson, S. Wallace, D. Pittet*
- EP0410** **Is reporting the McCabe score useful for point prevalence surveys of hospital-acquired infections**  
*E. Smid\* (Bilthoven, Netherlands), T. Hopmans, M. Vos, S. Geerlings, J. Wille, S. De Greeff, M. Koek*
- EP0411** **Reliability and feasibility of surveillance of central line-associated bloodstream infections in an ICU setting**  
*M. Sips\* (Utrecht, Netherlands), M. Bonten, M. Van Mourik*
- EP0412** **Towards a definition for healthcare-associated infection**  
*D. Marchaim\* (Zerifin, Israel), N. Friedman, E. Temkin, D. Levit, E. Taleb, B. Mengesha, R. Zaidenstein, T. Lazarovitch, M. Dadon, C. Daniel, K. Kaye*

- EP0413** **Assessment of national infection prevention and control policies and strategies: a survey of 18 countries**  
*M. Costa Pires\* (Geneva, Switzerland), O. Aspevall, F. Bellissimo-Rodrigues, J. Conly, T. Eckmanns, P. Fernandes, L. Fong, F. Guillen-Grima, T. Van der Kooij, Y. Longtin, O. Lyytikäinen, K. Marimuthu, E. Presterl, J. Reilly, S. Roberts, M. Schwaber, N. Sorknes, S. Hervé, A. Stewardson, W. Zingg*
- EP0414** **Prevalence of healthcare-associated infections in Dutch nursing homes**  
*K. Halonen\* (Bilthoven, Netherlands), E. Smid, L. Verhoef, S. De Greeff, R. Halfens, C. Hertogh*

**EP077 13:30 – 14:30 ePoster Arena 5**  
**ePoster Mini-Oral Session**

**Tuberculosis: from bench to population to bedside**

- Moderator* **EP0415** **Proteomic analysis of *Mycobacterium tuberculosis* membrane vesicles under stress**  
*T. Tonjum\* (Oslo, Norway), A. Godana, I. Szpinda, M. Noer, O. Wold*
- EP0416** **Towards model-informed drug development in tuberculosis: forecasting clinical dose response from preclinical studies**  
*S. Wicha\* (Hamburg, Germany), R. Svensson, O. Clewe, U. Simonsson*
- EP0417** **Dose-ranging of clofazimine in combination with the first-line regimen in the mouse model of tuberculosis: assessment of bactericidal and sterilizing activity**  
*N. Ammerman\* (Baltimore, United States), R. Swanson, E. Bautista, H. Guo, V. Saini, E. Nueremberger, J. Grosset*
- EP0418** **Resistance patterns of multidrug-resistant *Mycobacterium tuberculosis* strains – a seven-year retrospective study from Romania**  
*G. Popa\* (Bucharest, Romania), A. Moisoiu, S. Gheorghe, M. Preda, M. Muntean, A. Muntean, I. Popa*
- EP0419** **Genetic diversity of *Mycobacterium tuberculosis* isolates from tuberculous lymphadenitis patients in southwestern Ethiopia**  
*M. Jano\* (Jimma, Ethiopia), G. Ayana, D. Aragaw, A. Bekele*
- EP0420** **Modulation of IFN-gamma response to QuantiFERON TB-Plus detected by enzyme-linked immunosorbent assay in patients with active tuberculosis (TB), cured TB and latent TB infection**  
*D. Goletti\* (Rome, Italy), E. Petruccioli, V. Vanini, D. Cirillo, T. Chiacchio, G. Cuzzi, F. Palmieri, G. Ippolito*

**EP0421** **Contact tracing for TB contacts after air travel – a review of the evidence and an updated literature review**

*L. Maynard Smith\* (London, United Kingdom),  
C. Brown, S. Tamne, S. Anderson, D. Zenner*

**EP0422** **Tuberculosis-associated haemophagocytic syndrome occurs mostly in immunocompromised patients with disseminated infections**

*N. Lerolle\* (Le Kremlin-Bicêtre, France),  
M. Laanani, L. Galicier, S. Rivière, L. Fardet,  
J. Meynard, A. Jebbloui, V. Lalande, F. Mougari,  
P. Coppo, J. Molina, O. Lambotte*

**EP0423** **Diagnosing and managing tuberculosis in the context of renal dysfunction**

*A. Abbata\* (London, United Kingdom), A. Adnan,  
T. Bemand, S. Williams, L. John, R. Davidson,  
T. Corrah*

**EP078** **13:30 – 14:30 ePoster Arena 6  
ePoster Mini-Oral Session**

**Gram-negative bacteraemia: risk factors, prophylaxis and treatment**

*Moderator Malgorzata Mikulska (Genoa, Italy)*

**EP0424** **Targeted treatment of bacteraemic urinary tract infections (B-UTI) caused by carbapenemase-producing Enterobacteriaceae (CPE) in the INCREMENT cohort: monotherapy versus combined therapy and the impact of early targeted therapy**

*E. Perez-Nadales\* (Cordoba, Spain), B. Gutiérrez-Gutiérrez, M. Schwaber, Ö. Azap, M. Souli,  
E. Roilides, S. Pournaras, M. Akova, J. Bermejo,  
F. Pérez, A. Oliver, M. Almela, W. Lowman,  
B. Almirante Gragera, D. Paterson, R. Bonomo,  
Y. Carmeli, A. Pascual Hernandez, J. Torre Cisneros,  
J. Rodríguez-Baño*

**EP0425** **Carbapenemase-producing *Klebsiella pneumoniae* infections in solid-organ transplant recipients: a retrospective study**

*N. Pagani\* (Turin, Italy), S. Corcione, R. Giacometti,  
L. Fossati, A. Amoroso, R. Cavallo, G. Di Perri,  
M. Rinaldi, M. Ranieri, F. De Rosa*

**EP0426** **Treatment of AmpC beta-lactamase-producing Enterobacteriaceae bacteraemia – analysis of effects of empirical piperacillin-tazobactam versus carbapenems**

*S. Tan\* (Singapore, Singapore), S. Wan, M. Yap,  
S. Cheok, T. Ng, D. Lye*

**EP0427** **Equivalent efficacy and better safety of double beta-lactam vs. beta-lactam plus aminoglycoside combinations for Gram-negative infections – a systematic review of 12 randomized clinical trials**

*J. Bulitta\* (Orlando, United States), Y. Jiao,  
B. Moya, Y. Quian, X. Tao*

**EP0428** **Comparison of predictors and mortality between bloodstream infections caused by ESBL-producing *Escherichia coli* and ESBL-producing *Klebsiella pneumoniae***

*O. Scheuerman\* (Petach Tiqwa, Israel),  
V. Schechner, Y. Carmeli, B. Gutiérrez-Gutiérrez,  
E. Calbo, B. Almirante, P. Viale, A. Oliver, P. Ruiz,  
O. Gasch, L. Martinez-Martinez, J. Pitout,  
M. Akova, C. Peña, J. Cisneros, A. Hernández-Torres,  
M. Venditti, N. Prim, J. Origuen Sabater,  
J. Rodríguez-Baño*

**EP0429** **Impact of different schemes of antibiotics for the treatment of bacteraemia due to extended-spectrum beta-lactamase-producing Enterobacteriaceae on 30-day mortality in the INCREMENT project**

*Z. Palacios Baena\* (Seville, Spain), B. Gutiérrez-Gutiérrez, E. Calbo, B. Almirante, P. Viale, A. Oliver,  
R. Canton Moreno, O. Gasch, L. Martinez-Martinez,  
J. Pitout, M. Akova, C. Peña, J. Molina, A. Hernández-Torres, M. Venditti, R. Bonomo, Y. Carmeli, D. Paterson,  
A. Pascual Hernandez, J. Rodríguez-Baño*

**EP0430** **Temporal dynamics and risk factors for bloodstream infection with extended-spectrum beta-lactamase producing bacteria in previously colonized patients: nationwide register-based study**

*J. Isendahl\* (Stockholm, Sweden), C. Giske,  
K. Tegmark-Wisell, P. Sparén, A. Ternhag, P. Naucleer*

**EP0431** **Impact of fluoroquinolone prophylaxis during neutropenia – data from a bloodstream surveillance programme in 8755 patients receiving high-dose chemotherapy for haematologic malignancies between 2009 and 2014**

*C. Theilacker\* (Basel, Switzerland), W. Kern,  
A. Widmer, S. Weber, K. Kaier, T. Götting, H. Bertz,  
M. Dettenkofer*

**EP0432** **Risk factors, clinical presentation and outcome of *Acinetobacter baumannii* bacteraemia**

*T. Ballouz\* (Beirut, Lebanon), J. Aridi, E. Azar,  
C. Afif, C. Lakis*

**KN079 14:30 – 15:30** **Hall I**  
**Keynote Lecture**

**Excellence Award Lecture: Sepsis: making progress, but not yet there!**

*Chairs* Mario Poljak (Ljubljana, Slovenia),  
Murat Akova (Ankara, Turkey)

**KN0433 14:30 Thierry Calandra**  
(Lausanne, Switzerland)



ESCMID has selected Thierry Calandra as the 2017 ESCMID Excellence Awardee because he is an outstanding ID clinician and immunologist. His research interests include innate immunity, sepsis and bacterial and fungal infections in critically ill and ICU patients and in immunocompromised hosts. As a clinical investigator, he led or was closely associated with the design, conducting and analyses of studies and clinical trials in patients with sepsis and septic shock. As a translational scientist, his research projects focused on innate immunity and on the pathogenesis and treatment of sepsis. Thierry is both a reviewer for and contributor to numerous influential international journals. He also provides reviews for four national agencies in Switzerland, France, Germany and the United Kingdom. His published work includes nearly 300 monographs, book chapters, original articles and reviews. In his keynote lecture, he is evaluating the progress made in the field of sepsis and potential shortcomings.

**KN080 14:30 – 15:30** **Hall K**  
**Keynote Lecture**

**The role of intestinal microbiota to combat antimicrobial-resistant bacteria**

*Chair* Jordi Vila Estape (Barcelona, Spain)

**KN0434 14:30 Eric G. Pamer**  
(New York, United States)



Infections caused by antibiotic-resistant bacteria generally begin with colonization of mucosal surfaces, in particular the intestinal epithelium. The intestinal microbiota provides resistance to infection with highly antibiotic-resistant bacteria, including vancomycin-resistant *Enterococcus faecium*, *Klebsiella pneumoniae* and *Clostridium difficile*. Metagenomic sequencing of the murine and human microbiota following treatment with different antibiotics is beginning to identify bacterial taxa that are associated with resistance to these common hospital-acquired pathogens. Reintroduction of a diverse intestinal microbiota following antibiotic treatment provides an important potential avenue to reduce antibiotic-resistant infections and their transmission from patient to patient.

**SY081 14:30 – 15:30** **Hall A**  
**1-hour Symposium**

**Top papers in virology**

*Chairs* Elisabeth Puchhammer-Stöckl (Vienna, Austria),  
Dominique Salmon-Ceron (Paris, France)

**SY0435 14:30 Basic science**

Lynn W. Enquist (Princeton, United States)

**SY0436 14:50 Diagnostic**

William Irving (Nottingham, United Kingdom)

**SY0437 15:10 Clinical**

Karine Lacombe (Paris, France)

**Co-organized with: ESCMID Study Group for Viral Hepatitis (ESGVH)**

**SY082 14:30 – 15:30** **Hall B**  
**1-hour Symposium**

**Emerging threat of *Mycobacterium abscessus***

*Chairs* Yupin Suputtamongkol (Bangkok, Thailand),  
Jean Louis Herrmann (Garches, France)

**SY0438 14:30 Genetic diversity and ecological niches**

Beate Heym (Paris, France)

**SY0439 15:00 Clinical disease, treatment and control**

Po-Ren Hsueh (Taipei, Taiwan)

**Co-organized with: Chinese Global Association for Clinical Microbiology and Infectious Diseases (CGACMID)**

**SY083 14:30 – 15:30** **Hall E**  
**1-hour Symposium**

**Vaccine hesitancy impacts individual and public health**

*Chairs* Lucia Pastore Celentano (Stockholm, Sweden),  
Roman Prymula (Hradec Kralove, Czech Republic)

**SY0440 14:30 Vaccine hesitancy – what, where, why?**

Pauline Paterson (London, United Kingdom)

**SY0441 15:00 Methods to study serious safety signals – example of HPV vaccinations in Denmark**

Kåre Mølbak (Copenhagen, Denmark)



**SY084 14:30 – 15:30** **Hall J**  
**1-hour Symposium**

**Surgical site infection prevention worldwide**

*Chairs* Elena Carrara (Tübingen, Germany),  
Yoshio Takesue (Nishinomiya, Japan)

**SY0442 14:30 The basis for the new WHO global guideline – systematic assessment of the risks and the burden of SSI around the world**

Petra Gastmeier (Berlin, Germany)

**SY0443 15:00** Translating recommendations into practice – effective implementation strategies and tools across settings with different levels of resources  
*Benedetta Allegranzi (Geneva, Switzerland)*

Co-organized with: World Health Organization (WHO), European Committee on Infection Control (EUCIC)

**SY085 14:30 – 15:30** Hall L  
1-hour Symposium

**Community-acquired pneumonia – update on diagnosis and treatment**

*Chairs* Margareta Ieven (Edegem, Belgium), Adamantia Liapikou (Athens, Greece)

**SY0444 14:30** Improving the aetiologic diagnosis of CAP  
*Kate Templeton (Edinburgh, United Kingdom)*

**SY0445 15:00** Pneumonia treatment 2017  
*Jordi Carratala (Barcelona, Spain)*



**OS086 14:30 – 15:30** Hall C  
1-hour Oral Session

**New approaches in molecular diagnostic virology**

*Chairs* Christine Hanssen Rinaldo (Tromsø, Norway), Snjezana Zidovec Lepej (Zagreb, Croatia)

**OS0446 14:30** Chronic high EBV DNA load carriage among paediatric liver transplant patients  
*B. Kasztelewicz\* (Warsaw, Poland), K. Kamińska, I. Jankowska, J. Pawłowska, M. Teisseyre, P. Kaliciński, K. Dzierzanowska-Fangrat*

**OS0447 14:42** Utility of cytomegalovirus detection by molecular biology in patients with anterior uveitis  
*A. Martin\* (Madrid, Spain), J. González, M. Guerrero, M. Balsalobre, E. Lomas, P. Sánchez, L. Cardeñoso*

**OS0448 14:54** A novel 3base assay for the detection of flavivirus/arbovirus in clinical samples  
*D. Millar\* (Sydney, Australia)*

**OS0449 15:06** Circulating microRNA expression in chronic hepatitis C virus infection: association with disease stage and treatment outcome  
*N. Bulteel\* (Edinburgh, United Kingdom), D. McGuinness, P. Shiels, J. McLauchlan*

**OS0450 15:18** Interactive monitoring of HIV drug-resistance mutations in newly diagnosed patients in Europe  
*A. Wensing\* (Utrecht, Netherlands), S. Esar*

**OS087 14:30 – 15:30** Hall D  
1-hour Oral Session

**The role of the microbiome in pathogenesis**

*Chairs* Elaine O. Petrof (Kingston, Canada), Sally Jane Cutler (London, United Kingdom)

**OS0451 14:30** LITTLE – foetal life: sterile or not sterile?  
*F. Borgo\* (Milan, Italy), E. Borghi, V. Massa, M. Severgnini, G. Morace*

**OS0452 14:42** Microbiome of the first stool in life and later health in infants

*K. Korpela\* (Oulu, Finland), N. Paalanne, M. Tejesvi, P. Riikola, T. Pokka, J. Salo, T. Kaukola, M. Renko, A. Pirttilä, M. Uhari, T. Tapiainen*

**OS0453 14:54** Core gastric microbiome in a paediatric population: the effect of *Helicobacter pylori*

*C. Alba Rubio\* (Madrid, Spain), L. Llorca, G. Pérez, A. Blanco Suárez, P. Urruzuno, M. Martínez, T. Alarcon Caverio*

**OS0454 15:06** Skin dysbiosis in hidradenitis suppurativa: a prospective metagenomic study

*E. Riverain-Gillet\* (Le Chesnay, France), H. Guet-Revillet, J. Jais, M. Ungeheueur, H. Coignard-Biehler, M. Delage, T. Lam, S. Duchatelet, A. Hovnanian, O. Lortholary, X. Nassif, A. Nassif, O. Join-Lambert*

**OS0455 15:18** How *Clostridium difficile* impacts gut microbiota in vitro

*M. Rupnik\* (Maribor, Slovenia), S. Zalig, A. Mahnic*

**OS088 14:30 – 15:30** Hall F  
1-hour Oral Session

**Treatment and mortality related with carbapenem-resistant Enterobacteriaceae**

*Chairs* Esther Calbo (Terrassa, Spain), George L. Daikos (Athens, Greece)

**OS0456 14:30** Combination therapy is not necessary in all cases of bloodstream infections due to carbapenemase-producing Enterobacteriaceae: results from the INCREMENT cohort

*J. Rodríguez-Baño\* (Seville, Spain), B. Gutiérrez-Gutiérrez, E. Salamanca, M. De Cueto, P. Hsueh, P. Viale, J. Pano-Pardo, M. Venditti, M. Tumbarello, G. Daikos, R. Canton Moreno, Y. Doi, F. Tuon, I. Karaikos, E. Perez-Nadales, M. Schwaber, R. Bonomo, Y. Carmeli, D. Paterson, A. Pascual Hernandez*

**OS0457 14:42** Mortality associated with bacteraemia due to colistin-resistant *Klebsiella pneumoniae* with high-level meropenem resistance: importance of combination therapy without colistin and carbapenems

*J. Torre Cisneros\* (Córdoba, Spain), I. Machuca Sanchez, B. Gutiérrez-Gutiérrez, I. Gracia-Ahufinger, A. Cano, G. Julia, J. Castón, F. Rodríguez-López, J. Rodríguez-Baño*

**OS0458 14:54** Mortality in *Klebsiella pneumoniae* bacteraemia: a systematic review of effects of carbapenem resistance and initial antibiotic therapy

*P. Kohler\* (Toronto, Canada), C. Villing, K. Green, P. Shah, A. McGeer*

**OS0459 15:06** Risk factors and predictors of mortality for carbapenemase-producing *Klebsiella pneumoniae* bloodstream infection in the intensive care unit

*M. Papadimitriou Oliveris\* (Patras, Greece), A. Spyropoulou, L. Tanaseskou, M. Militsopoulou, A. Aretha, I. Spiliopoulou, E. Anastassiou, F. Fligou, M. Christofidou, M. Marangos*



# OS0460 15:18 The impact of carbapenem resistance on outcomes of bloodstream infections with Enterobacteriaceae in developing countries: an international prospective cohort study

A. Stewardson\* (Victoria, Australia), K. Marimuthu, S. Sengupta, A. Allignol, M. Carvalho, T. Walsh, S. Harbarth

## OS089 14:30 – 15:30 Hall G 1-hour Oral Session

### Host-pathogen interaction in biofilm infections

Chairs Kendra P. Rumbaugh (Lubbock, United States), Claus Moser (Copenhagen, Denmark)

# OS0461 14:30 Association of *Pseudomonas aeruginosa* biofilm with exacerbations in patients with non-cystic fibrosis bronchiectasis with or without COPD

L. Fernandez-Barat\* (Barcelona, Spain), E. Polverino, E. Rosales, A. Motos, A. Ceccato, C. Olasolo, V. Alcaraz, L. Muñoz, J. Vila, A. Torres

# OS0462 14:42 Biofilm-induced type 2 innate immunity in a cystic fibrosis model of *Pseudomonas aeruginosa*

S. Kumar-Singh\* (Antwerp, Belgium), K. Bielen, B. 'S Jongers, J. Boddart, T. Kalathil Raju, C. Lammens, S. Malhotra-Kumar, P. Jorens, H. Goossens

# OS0463 14:54 Persistence of *Pseudomonas aeruginosa* in patients with cystic fibrosis

B. Mojsoska\* (Copenhagen, Denmark), J. Haagensen, J. Bartell, S. Molin, H. Johansen

# OS0464 15:06 Evaluation of oral application of a probiotic *Lactobacillus reuteri* strain in patients with chronic periodontitis

I. Chudzicka-Strugala\* (Poznan, Poland), A. Szkaradkiewicz, A. Surdacka

# OS0465 15:18 Necrotrophic growth of periodontal pathogens in oral biofilms, a novel virulence factor?

E. Rodriguez Herrera\* (Leuven, Belgium), V. Slomka, M. Pauwels, T. Verspecht, E. Hernandez-Sanabria, K. Bernaerts, N. Boon, W. Teughels

## OS090 14:30 – 15:30 Hall H 1-hour Oral Session

### A patchwork of innovative approaches in PK/PD

Chairs Lena Friberg (Uppsala, Sweden), Hartmut Derendorf (Gainesville, United States)

# OS0466 14:30 Impact of laser-assisted skin microporation on the tissue penetration and systemic bioavailability of topically applied antibiotics in healthy volunteers. An exploratory PK study

Z. Oesterreicher\* (Vienna, Austria), E. Lackner, W. Jaeger, M. Hoefel, M. Zeitlinger

# OS0467 14:42 Emergence of fosfomycin resistance among susceptible Enterobacteriaceae in a novel bladder infection *in vitro* model

I. Abbott\* (Melbourne, Australia), L. Kanioura, A. Peleg, J. Mouton, J. Meletiadiis

# OS0468 14:54 Optimizing a meropenem plus tobramycin combination dosage regimen against hypermutable and non-hypermutable *Pseudomonas aeruginosa* via mechanism-based modelling and the hollow-fibre infection model

C. Landersdorfer\* (Parkville, Australia), R. Yadav, V. Rees, K. Rogers, P. Bergen, T. Kim, S. Cheah, A. Peleg, J. Boyce, B. Shiin, A. Oliver, R. Nation, J. Bulitta

# OS0469 15:06 Evaluation of the activity of 4 neglected and disused antibiotics (NDAB) towards intracellular *Pseudomonas aeruginosa* using a pharmacodynamic model of infected human THP-1 monocytes

E. Drouot\* (Brussels, Belgium), P. Tulkens, F. Van Bambeke

# OS0470 15:18 Toxicokinetics of endotoxin and its induction of cytokines tumor necrosis factor alpha and interleukin 6

A. Thorsted\* (Uppsala, Sweden), S. Bouchene, E. Tano, M. Castegren, M. Lipcsey, J. Sjölin, M. Karlsson, L. Friberg, E. Nielsen

## SY091 16:00 – 18:00 Hall A 2-hour Symposium

### Year in Clinical Microbiology

Chairs Ana Budimir (Zagreb, Croatia), Surbhi Malhotra-Kumar (Antwerp, Belgium)

# SY0471 16:00 Part I

Kate Templeton (Edinburgh, United Kingdom)

# SY0472 16:30 Part II

Jacob Moran-Gilad (Beer Sheva, Israel)

# SY0473 17:00 Part III

Emilio Bouza Santiago (Madrid, Spain)

# SY0474 17:30 Discussion

## SY092 16:00 – 18:00 Hall C 2-hour Symposium

### Pregnancy and infection

Chairs Sara Maria Soto (Barcelona, Spain), Adriana Vince (Zagreb, Croatia)

# SY0475 16:00 Early life microbiome alterations and chronic disease development

Jakob Stokholm (Copenhagen, Denmark)

# SY0476 16:30 Management of group B streptococcal bacteriuria in pregnancy

Claire Poyart (Paris, France)

# SY0477 17:00 Status of vaccine research in pregnancy

Paul Heath (London, United Kingdom)

# SY0478 17:30 Zika vs chikungunya and dengue virus infection in pregnancy

Jose Paulo Pereira Jr. (Rio de Janeiro, Brazil)





**SY093 16:00 – 18:00 Hall K**  
2-hour Symposium

**Best infection control practices in a culturally diverse world**

*Chairs* Evelina Tacconelli (Tübingen, Germany),  
Didier Pittet (Geneva, Switzerland)

**SY0479 16:00 Core elements for successfully implementing infection control – what do I have to ask my hospital director?**

Andreas Voss (Nijmegen, Netherlands)

**SY0480 16:30 Control of multi-resistant Gram-negative bacteria in low- and middle-income countries – high-impact interventions without much resources?**

Nalini Singh (Washington, United States)

**SY0481 17:00 Global hand hygiene promotion – how to reach the top at low cost?**

Walter Zingg (Geneva, Switzerland)

**SY0482 17:30 Diagnostic microbiology challenges in infection control across the world**

Daniel J. Diekema (Iowa City, United States)

Co-organized with: International Consortium for Prevention & Infection Control (ICPIC), European Committee on Infection Control (EUCIC)

**SY094 16:00 – 18:00 Hall L**  
2-hour Symposium

**What's hot in the treatment of bacterial MDR organisms?**

*Chairs* Maddalena Giannella (Bologna, Italy),  
Rosana Richtmann (São Paulo, Brazil)

**SY0483 16:00 New antibiotics for XDR Gram-negatives**

Yehuda Carmeli (Tel Aviv, Israel)

**SY0484 16:30 Combination therapy for MDR Gram-negatives – is there evidence that it works?**

Anastasia Antoniadou (Athens, Greece)

**SY0485 17:00 New antibiotics for Gram-positives**

Alasdair P. MacGowan (Bristol, United Kingdom)

**SY0486 17:30 New combinations for MRSA**

Henry F. Chambers (San Francisco, United States)

**OS095 16:00 – 18:00 Hall B**  
Late-breaker Oral Session

**News in vaccine research**

Details are only available online  
([www.eccmidlive.org](http://www.eccmidlive.org))

**OS096 16:00 – 18:00 Hall G**  
2-hour Oral Session

**Molecular biology of Gram-negative resistance**

*Chairs* Alessandra Carattoli (Rome, Italy),  
Qiwen Yang (Beijing, China)

**OS0487 16:00 Carbapenem resistance mechanisms in carbapenemase-negative *Klebsiella pneumoniae***

L. Biniotsek\* (Cologne, Germany), S. Gerson,  
K. Xanthopoulou, J. Ertel, M. Kaase, H. Seifert,  
P. Higgins

**OS0488 16:12 Functional significance of *leuS* mutations in *Escherichia coli* resistance to ciprofloxacin**  
L. Garoff\* (Uppsala, Sweden), D. Hughes

**OS0489 16:24 The conjugative ability of *E. coli* bla-CTX-M plasmids from returning travellers**

M. Powell\* (Birmingham, United Kingdom),  
B. Edward, P. Hawkey

**OS0490 16:36 Mutations in blaKPC-3 that emerged during ceftazidime-avibactam treatment of carbapenem-resistant *K. pneumoniae* infections encode novel KPC-3 variants that confer ceftazidime-avibactam resistance, restore carbapenem susceptibility, and function as extended-spectrum beta-lactamases**

C. Clancy\* (Pittsburgh, United States), M. Nguyen,  
R. Shields, S. Cheng, L. Chen, B. Kreiswirth

**OS0491 16:48 In vivo development of tigecycline resistance in *Klebsiella pneumoniae* due to deletion of ribosomal binding site of *ramR***

M. Ye\* (Shanghai, China), B. Ding, H. Qian, M. Wang

**OS0492 17:00 Sequencing the plasmid pJB12 from *Pseudomonas aeruginosa* reveals Tn6352, a novel transposon associated with mobilization of blaVIM-2 harbouring In58 integron**

J. Tomaz Santos Botelho\* (Porto, Portugal),  
F. Grosso, L. Peixe

**OS0493 17:12 Association of overexpression of the *abeM* efflux pump gene with antibiotic resistance in *Acinetobacter baumannii* strains clinically isolated from a tertiary hospital**

K. Choi\* (Cheonan, South Korea), S. Koo, H. Kim,  
J. Kim, G. Kwon

**OS0494 17:24 Diversity of mutations in regulatory genes of resistance-nodulation-cell division efflux pumps in association with tigecycline resistance in *Acinetobacter baumannii***

S. Gerson\* (Cologne, Germany), J. Nowak, E. Zander,  
O. Krut, H. Seifert, P. Higgins

**OS0495 17:36 Diversity of OXA-235-like encoding plasmids in *Acinetobacter baumannii* clinical isolates**  
K. Xanthopoulou\* (Cologne, Germany), A. Carattoli,  
L. Villa, C. Feudi, M. Adams, H. Seifert, P. Higgins

**OS0496 17:48 Role of *mpl* mutations in the beta-lactamase hyper-resistant phenotype in *Stenotrophomonas maltophilia***

K. Calvopiña\* (Bristol, United Kingdom), M. Avison

**OS097 16:00 – 18:00 Hall H**  
2-hour Oral Session

**Biofilms: novel methods in treatment & prevention**

*Chairs* Gianfranco Donelli (Rome, Italy),  
Oana Ciofu (Copenhagen, Denmark)

**OS0497 16:00 Eradication of *P. aeruginosa* biofilm in endotracheal tubes based on lock therapy: results from an in vitro study**

M. Guembe\* (Madrid, Spain), M. Pérez-Granda,  
M. Latorre, B. Alonso, R. Cruces, J. Hortal,  
R. Samaniego, E. Bouza Santiago

**OS0498 16:12 Nebulized amikacin reduces *P. aeruginosa* endotracheal tube biofilm colonization in porcine model of severe pneumonia**

A. Motos\* [Barcelona, Spain], E. Aguilera Xiol, L. Fernandez-Barat, G. Li Bassi, C. Chiurazzi, T. Senussi, F. Idone, C. Travieso, M. Carbonara, R. Amaro, J. Bobi, F. DeRosa, T. Comaru, J. Marti, M. Rinaudo, O. Ranzani, M. Rigol, P. Pelosi, M. Antonelli, A. Torres

**OS0499 16:24 Hyperbaric oxygen treatment increases ROS dependent killing by ciprofloxacin and growth in a *Pseudomonas aeruginosa* biofilm model**

M. Kolpen\* [Copenhagen, Denmark], C. Johann Lerche, T. Sams, T. Bjarnsholt, O. Ciofu, M. Kühl, N. Hoiby, P. Jensen

**OS0500 16:36 Eradication of coagulase negative staphylococcal biofilms by P128 alone and synergistic inhibition in combination with antibiotics**

A. Vipra\* [Bengaluru, India], S. Nair, N. Poonacha, S. Desai, U. Sharma

**OS0501 16:48 Regenerative endodontic procedures with the use chitosan scaffolds in immature dog teeth with apical periodontitis**

P. Palma\* [Coimbra, Portugal]

**OS0502 17:00 Using a novel three-dimensional inter-kingdom wound biofilm model to assess antimicrobial treatments**

E. Townsend\* [Worcester, United Kingdom], W. Mackay, C. Williams, G. Ramage

**OS0503 17:12 The optimal regimen of ethanol lock therapy to treat biofilm-associated catheter infections: results from an *in vitro* study**

M. Guembe\* [Madrid, Spain], B. Alonso, M. Pérez-Granda, A. Rodríguez-Huerta, C. Rodríguez, E. Bouza Santiago

**OS0504 17:24 Effective antimicrobial activity of HICA and alpha-mangostin against the multi-species bacterial-fungal biofilms**

W. Leelapornpisid\* [Manchester, United Kingdom], R. Richardson, L. Novak-Frazer, A. Qualtrough

**OS0505 17:36 Further evidence on the bacterial-killing mechanism and biofilm inhibition of high-density cationic surfaces**

H. Bouloussa\* [Garches, France], A. Saleh-Mghir, C. Valotteau, C. Court, A. Crémieux, V. Humblot

**OS0506 17:48 Anti-biofilm efficacy and cytotoxicity of novel antimicrobial topical formulations against multidrug-resistant wound isolates**

M. Peterson\* [Laramie, United States], P. Finnegan, C. Kistler, S. Andrikopoulos, R. Asmus, P. Parks

**OS0507 16:00 Patient engagement with surgical site infection prevention: an expert panel perspective**

V. Weterings\* [Breda, Netherlands], E. Tartari, P. Gastmeier, J. Rodríguez-Baño, A. Widmer, J. Kluytmans, A. Voss

**OS0508 16:12 Evaluation of sonication as a diagnostic tool in orthopaedic implant infections: a 53-month review in a large general hospital in the United Kingdom**

P. Seetulsingh\* [Watford, United Kingdom], K. Malhotra, P. Whittingham-Jones, T. Maunganidze, T. Waters

**OS0509 16:24 Synovial fluid examination before reimplantation and cultures at reimplantation do not predict outcome of PJI undergoing two-stage exchange**

T. Ascione\* [Napoli, Italy], G. Balato, M. Mariconda, R. Rotondo, P. Pagliano

**OS0510 16:36 Not all heater-cooler units are equal – different risk for environmental contamination with *Mycobacterium chimaera* during open-heart surgery**

K. Richard\* [Basel, Switzerland], F. Banderet, A. Egli, R. Frei, P. Keller, T. Döbele, F. Eckstein, A. Widmer

**OS0511 16:48 Optimal timing of antimicrobial prophylaxis in cardiac surgery: an analysis of 15,873 patients**

R. Sommerstein\* [Bern, Switzerland], A. Andrew, M. Thurneysen, J. Marschall, A. Widmer

**OS0512 17:00 Semi-automated surveillance of deep surgical site infections after cardiothoracic surgery**

M. Sips\* [Utrecht, Netherlands], M. Bonten, M. Van Mourik

**OS0513 17:12 Preoperative oral antibiotic prophylaxis reduces surgical site infections after elective colorectal surgery**

T. Mulder\* [Utrecht, Netherlands], M. Kluytmans - van den Bergh, M. Van Mourik, J. Romme, R. Crolla, G. Van der Schelling, J. Kluytmans

**OS0514 17:24 Effectiveness of decontamination measures in the prevention of surgical site infection in spinal surgery**

B. Bouyer\* [Paris, France], A. Robin, M. Fernandez-Gerlinger, L. Watier, N. Kassis-Chikhani, J. Mainardi, P. Durieux, P. Guigui, A. Diop

**OS0515 17:36 *Staphylococcus aureus* infections in German type 2 diabetes mellitus patients after orthopaedic surgery: incidence, risk factors and clinical and health-economic outcomes**

H. Yu\* [Collegeville, United States], F. Gottschalk, T. Wilke, S. Mueller, K. Heinrich, U. Maywald, A. Fuchs

**OS0516 17:48 Risk factors for *Staphylococcus aureus* surgical site infections after orthopaedic surgery in a French university hospital**

C. Landelle\* [Grenoble, France], V. Forget, M. Mallaret, J. Fauconnier, K. Vancoetsem, S. Boisset, P. Pavese, C. Genty, J. Bosson, J. Tonetti, D. Saragaglia

|       |                     |        |
|-------|---------------------|--------|
| OS098 | 16:00 – 18:00       | Hall J |
|       | 2-hour Oral Session |        |

**New frontiers in reducing SSI**

**Chairs** Peter Collignon [Canberra, Australia],  
Marin Schweizer [Iowa City, United States]

# Scientific Programme Overview

## Monday, 24 April 2017

| Hall A                                                                          | Hall B                                                                                        | Hall C                                                            | Hall D                                                                                              | Hall E                                                                           | Hall F                                                                                                              |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                                                                 |                                                                                               |                                                                   |                                                                                                     | 07:45 – 08:45                                                                    | 07:45 – 08:45                                                                                                       |
|                                                                                 |                                                                                               |                                                                   |                                                                                                     | ME099                                                                            | ME100                                                                                                               |
|                                                                                 |                                                                                               |                                                                   |                                                                                                     | How to identify and manage latent tuberculosis                                   | How to reliably diagnose European borreliosis                                                                       |
| 09:00 – 11:00                                                                   | 09:00 – 11:00                                                                                 | 09:00 – 11:00                                                     | 09:00 – 11:00                                                                                       | 09:00 – 11:00                                                                    | 09:00 – 11:00                                                                                                       |
| OS111                                                                           | IS17                                                                                          | IS18                                                              | IS19                                                                                                | SY107                                                                            | SY108                                                                                                               |
| Global challenges from emerging viruses                                         | Challenges and new clinical treatment options for the management of invasive mould infections | Practical solutions for real-world problems                       | A novel approach to prevent recurrent <i>Clostridium difficile</i> infections in high-risk patients | Think in networks – modern resistance prevention and control                     | The cystic fibrosis patient in the diagnostic microbiology laboratory                                               |
|                                                                                 |                                                                                               |                                                                   |                                                                                                     |                                                                                  | CM                                                                                                                  |
| 11:30 – 12:30                                                                   | 11:30 – 12:30                                                                                 | 11:30 – 12:30                                                     | 11:30 – 12:30                                                                                       | 11:30 – 12:30                                                                    | 11:30 – 12:30                                                                                                       |
| KN114                                                                           | OS120                                                                                         | OS121                                                             | SY117                                                                                               | SY118                                                                            | OS122                                                                                                               |
| Recent revolution in diagnostic bacteriology                                    | Antimicrobial resistance in long-term care facilities                                         | Acceptability of vaccination                                      | Resistance dynamics between the human and the veterinary sector                                     | Meningococcal disease – developments and challenges in the “new vaccination” era | Fungal disease epidemiology                                                                                         |
| CM                                                                              |                                                                                               |                                                                   |                                                                                                     |                                                                                  |                                                                                                                     |
| 12.30 – 14.30 Lunch Break / ePoster Mini-Oral Sessions / Paper Poster Sessions  |                                                                                               |                                                                   |                                                                                                     |                                                                                  |                                                                                                                     |
| 14:30 – 15:30                                                                   | 14:30 – 15:30                                                                                 | 14:30 – 15:30                                                     | 14:30 – 15:30                                                                                       | 14:30 – 15:30                                                                    | 14:30 – 15:30                                                                                                       |
| KN138                                                                           | OS144                                                                                         | KN139                                                             | OS145                                                                                               | OS146                                                                            | OS147                                                                                                               |
| Antibiotic stewardship around the globe                                         | News from the gut                                                                             | The power of ONE: immunology in the age of single-cell genomics   | Challenges in antibiotic susceptibility testing                                                     | Repeat or give high-dose? News on influenza vaccination                          | Antifungal resistance and treatment                                                                                 |
|                                                                                 |                                                                                               |                                                                   | CM                                                                                                  |                                                                                  |                                                                                                                     |
| 15.30 – 16.00 Coffee Break / ePoster Mini-Oral Sessions / Paper Poster Sessions |                                                                                               |                                                                   |                                                                                                     |                                                                                  |                                                                                                                     |
| 16:00 – 18:00                                                                   | 16:00 – 18:00                                                                                 | 16:00 – 18:00                                                     | 16:00 – 18:00                                                                                       | 16:00 – 18:00                                                                    | 16:00 – 18:00                                                                                                       |
| SY150                                                                           | IS22                                                                                          | SY151                                                             | IS23                                                                                                | IS24                                                                             | IS25                                                                                                                |
| Year in Infectious Diseases                                                     | New challenges for microbiology laboratories in antibiotic susceptibility testing             | Deadly connections – the interplay between pathogens and the host | Infections due to MRSA: walking a fine line to meet real-world expectations                         | <i>Candida</i> in the intensive care unit                                        | Clinical management and molecular diagnosis of respiratory viruses – implications of a new fully automated approach |

## Colour Key

- Educational Workshops, Meet the Expert Sessions 
 ■ Symposia 
 ■ Oral Sessions 
 ■ Keynote Lectures 
 ■ ePoster Presentations
- TAE Trainees Day 2017
- Integrated Symposia are not included in this book. Please refer to the Integrated Symposia and Exhibition Guide for session details.

## Sessions specifically interesting for:

- IC Infection Control Practitioners 
 ID Infectious Disease Fellows 
 CM Clinical Microbiologists

| Hall G                                                                                                                                                        | Hall H                                                                                                  | Hall I                                                                     | Hall J                                                                                                                               | Hall K                                                                                                                                                             | Hall L                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 07:45 – 08:45                                                                                                                                                 | 07:45 – 08:45                                                                                           | 07:45 – 08:45                                                              | 07:45 – 08:45                                                                                                                        | 07:45 – 08:45                                                                                                                                                      | 07:45 – 08:45                                                       |
| ME101                                                                                                                                                         | ME102                                                                                                   | ME103                                                                      | ME104                                                                                                                                | ME105                                                                                                                                                              | ME106                                                               |
| Technical aspects of using in-house and commercial multiplex assays<br><br><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CM</span> | Strategies for de-escalation and optimized antibiotic therapy                                           | Faecal microbial transplantation: safety, ethical and regulatory issues    | How to use media to communicate research findings                                                                                    | Is there an optimal regimen for the treatment of MDR and XDR infections?<br><br><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">ID</span> | EUCAST – frequently asked questions                                 |
| 09:00 – 11:00                                                                                                                                                 | 09:00 – 11:00                                                                                           | 09:00 – 11:00                                                              | 09:00 – 11:00                                                                                                                        | 09:00 – 11:00                                                                                                                                                      | 09:00 – 11:00                                                       |
| IS20                                                                                                                                                          | IS21                                                                                                    | SY109                                                                      | OS112                                                                                                                                | OS113                                                                                                                                                              | SY110                                                               |
| Diagnostics first: new approaches utilising on-demand molecular diagnostics                                                                                   | Fast antibiotic susceptibility testing – current challenges and future solutions for the critically ill | HIV – culprit or facilitator?                                              | Late-breaker: late-breakers in diagnostics<br><br><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CM</span> | New drugs against Gram-negatives: from discovery to late-stage development                                                                                         | New perspectives on therapeutic antibodies and vaccines             |
| 11:30 – 12:30                                                                                                                                                 | 11:30 – 12:30                                                                                           | 11:30 – 12:30                                                              | 11:30 – 12:30                                                                                                                        | 11:30 – 12:30                                                                                                                                                      | 11:30 – 12:30                                                       |
| OS123                                                                                                                                                         | OS124                                                                                                   | KN115                                                                      | KN116                                                                                                                                | SY119                                                                                                                                                              | OS125                                                               |
| Issues concerning treatment of malaria, echinococcosis and cryptosporidiosis                                                                                  | Novel aspects of antivirals                                                                             | Emerging brain infections – how to approach them from a global perspective | Our second genome in health and disease                                                                                              | Update on sepsis                                                                                                                                                   | New agents for bacterial infection in phase 2 and 3 clinical trials |

## 12.30 – 14.30 Lunch Break / ePoster Mini-Oral Sessions / Paper Poster Sessions

| 14:30 – 15:30                                   | 14:30 – 15:30                     | 14:30 – 15:30                                   | 14:30 – 15:30                             | 14:30 – 15:30                                                                           | 14:30 – 15:30                                             |
|-------------------------------------------------|-----------------------------------|-------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------|
| OS148                                           | OS149                             | SY141                                           | SY142                                     | KN140                                                                                   | SY143                                                     |
| Diagnostic approaches to bloodstream infections | Advances in Japanese chemotherapy | Measles in Europe – is it really under control? | Top papers in neglected tropical diseases | Within-host evolution of bacterial pathogens and implications for transmission analysis | Discovery and exploitation of new targets for antibiotics |

## 15.30 – 16.00 Coffee Break / ePoster Mini-Oral Sessions / Paper Poster Sessions

| 16:00 – 18:00                                                                                  | 16:00 – 18:00                      | 16:00 – 18:00                              | 16:00 – 18:00          | 16:00 – 18:00                                                                                         | 16:00 – 18:00                             |
|------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------|
| IS26                                                                                           | OS156                              | SY152                                      | SY153                  | SY154                                                                                                 | SY155                                     |
| Long-acting antibiotics and new perspectives in skin infection treatment: a change of paradigm | Time is crucial – direct detection | Explaining differences in resistance rates | The cutting edge in TB | <i>In vitro</i> diagnostics for microbiology in low-resource settings – quality and regulatory issues | Early antimicrobial drug development news |

# Scientific Programme

## Monday, 24 April 2017

|                                                                                    |                                 |        |
|------------------------------------------------------------------------------------|---------------------------------|--------|
| ME099                                                                              | 07:45 – 08:45                   | Hall E |
| <b>Meet-the-Expert Session</b>                                                     |                                 |        |
| <b>How to identify and manage latent tuberculosis</b>                              |                                 |        |
| <i>Experts</i>                                                                     |                                 |        |
| ME0517                                                                             | Giovanni Delogu (Rome, Italy)   |        |
| ME0518                                                                             | Raquel Duarte (Porto, Portugal) |        |
| <b>Co-organized with: ESCMID Study Group for Mycobacterial Infections (ESGMYC)</b> |                                 |        |

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|----------------------------------------------------------------------------|--------------------------------------------|--------|
| ME100                                                                      | 07:45 – 08:45                              | Hall F |
| <b>Meet-the-Expert Session</b>                                             |                                            |        |
| <b>How to reliably diagnose European borreliosis</b>                       |                                            |        |
| <i>Experts</i>                                                             |                                            |        |
| ME0519                                                                     | Volker Fingerle (Oberschleißheim, Germany) |        |
| ME0520                                                                     | Franc Strle (Ljubljana, Slovenia)          |        |
| <b>Co-organized with: ESCMID Study Group for Lyme Borreliosis (ESGBOR)</b> |                                            |        |

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|--------------------------------------------------------------------------------------------|-----------------------------------------------|--------|
| ME101                                                                                      | 07:45 – 08:45                                 | Hall G |
| <b>Meet-the-Expert Session</b>                                                             |                                               |        |
| <b>Technical aspects of using in-house and commercial multiplex assays</b>                 |                                               |        |
| <i>Experts</i>                                                                             |                                               |        |
| ME0521                                                                                     | Paul H.M. Savelkoul (Maastricht, Netherlands) |        |
| ME0522                                                                                     | Stephen Bustin (Chelmsford, United Kingdom)   |        |
| <b>Co-organized with: ESCMID Study Group for Genomic and Molecular Diagnostics (ESGMD)</b> |                                               |        |

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|------------------------------------------------------------------------------|-----------------------------------------|--------|
| ME102                                                                        | 07:45 – 08:45                           | Hall H |
| <b>Meet-the-Expert Session</b>                                               |                                         |        |
| <b>Strategies for de-escalation and optimized antibiotic therapy</b>         |                                         |        |
| <i>Experts</i>                                                               |                                         |        |
| ME0523                                                                       | Guillaume Beraud (Poitiers, France)     |        |
| ME0524                                                                       | José Ramón Pano-Pardo (Zaragoza, Spain) |        |
| <b>Co-organized with: ESCMID Study Group for Antibiotic Policies (ESGAP)</b> |                                         |        |

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|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------|
| ME103                                                                                                                  | 07:45 – 08:45                              | Hall I |
| <b>Meet-the-Expert Session</b>                                                                                         |                                            |        |
| <b>Faecal microbial transplantation: safety, ethical and regulatory issues</b>                                         |                                            |        |
| <i>Experts</i>                                                                                                         |                                            |        |
| ME0525                                                                                                                 | Gianluca Ianiro (Rome, Italy)              |        |
| ME0526                                                                                                                 | Josbert J. Keller (The Hague, Netherlands) |        |
| <b>Co-organized with: ESCMID Study Group for Clostridium difficile (ESGCD), United European Gastroenterology (UEG)</b> |                                            |        |

|                                                          |                                          |        |
|----------------------------------------------------------|------------------------------------------|--------|
| ME104                                                    | 07:45 – 08:45                            | Hall J |
| <b>Meet-the-Expert Session</b>                           |                                          |        |
| <b>How to use media to communicate research findings</b> |                                          |        |
| <i>Experts</i>                                           |                                          |        |
| ME0527                                                   | Andreas Voss (Nijmegen, Netherlands)     |        |
| ME0528                                                   | Preeti Malani (Ann Arbor, United States) |        |

|                                                                                 |                                        |        |
|---------------------------------------------------------------------------------|----------------------------------------|--------|
| ME105                                                                           | 07:45 – 08:45                          | Hall K |
| <b>Meet-the-Expert Session</b>                                                  |                                        |        |
| <b>Is there an optimal regimen for the treatment of MDR and XDR infections?</b> |                                        |        |
| <i>Experts</i>                                                                  |                                        |        |
| ME0529                                                                          | George L. Daikos (Athens, Greece)      |        |
| ME0530                                                                          | José Garnacho-Montero (Seville, Spain) |        |
| <b>Co-organized with: Hellenic Society of Chemotherapy (HSC)</b>                |                                        |        |

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|-----------------------------------------------------------------------------------------------|--------------------------------------|--------|
| ME106                                                                                         | 07:45 – 08:45                        | Hall L |
| <b>Meet-the-Expert Session</b>                                                                |                                      |        |
| <b>EUCAST – frequently asked questions</b>                                                    |                                      |        |
| <i>Experts</i>                                                                                |                                      |        |
| ME0531                                                                                        | Rafael Canton Moreno (Madrid, Spain) |        |
| ME0532                                                                                        | Erika Matuschek (Växjö, Sweden)      |        |
| <b>Co-organized with: European Committee on Antimicrobial Susceptibility Testing (EUCAST)</b> |                                      |        |

**SY107 09:00 – 11:00 Hall E**  
**2-hour Symposium**

**Think in networks – modern resistance prevention and control**

*Chairs* Marek Gniadkowski (Warsaw, Poland),  
 Marin Schweizer (Iowa City, United States)

**SY0533 09:00 Systemic network analysis and its applications to infectious diseases**

Dirk Brockmann (Berlin, Germany)

**SY0534 09:30 Eyes for the invisible – the regional healthcare networks**

Tjibbe Donker (Oxford, United Kingdom)

**SY0535 10:00 Epidemiology of the spread of antimicrobial resistance within healthcare clusters**

Hajo Grundmann (Freiburg, Germany)

**SY0536 10:30 Co-creative regional networks on antimicrobial resistance – a real-life example**

Alexander W. Friedrich (Groningen, Netherlands)



**SY108 09:00 – 11:00 Hall F**  
**2-hour Symposium**

**The cystic fibrosis patient in the diagnostic microbiology laboratory**

*Chairs* Katja Seme (Ljubljana, Slovenia),  
 Lucas R. Hoffman (Seattle, United States)

**SY0537 09:00 Microbiology sampling of cystic fibrosis patients – when, how and what to expect from the laboratory**

Helle Krogh Johansen (Copenhagen, Denmark)

**SY0538 09:30 Which bacteria are important in cystic fibrosis patients and why are some completely different in non-CF patients?**

Barbara C. Kahl (Münster, Germany)

**SY0539 10:00 Bacterial typing in cystic fibrosis patients – when and why?**

Timothy J. Kidd (Brisbane, Australia)

**SY0540 10:30 Culture-independent bacteriological analysis of cystic fibrosis respiratory specimens**

Christopher Van der Gast (Wallingford, United Kingdom)

**SY109 09:00 – 11:00 Hall I**  
**2-hour Symposium**

**HIV – culprit or facilitator?**

*Chairs* Carlo Federico Perno (Rome, Italy),  
 Dan Otelea (Bucharest, Romania)

**SY0541 09:00 HIV and the CNS – an update**

Luminita Ene (Bucharest, Romania)

**SY0542 09:30 HIV and the gut**

Roger Paredes (Barcelona, Spain)

**SY0543 10:00 Prevention and management of human papilloma-virus (HPV)-related tumours in HIV-positive individuals**

Mario Poljak (Ljubljana, Slovenia)

**SY0544 10:30 Non-HPV malignancies in HIV patients**

Mark Bower (London, United Kingdom)

**SY110 09:00 – 11:00 Hall L**  
**2-hour Symposium**

**New perspectives on therapeutic antibodies and vaccines**

*Chairs* Françoise Van Bambeke (Brussels, Belgium),  
 Thierry Calandra (Lausanne, Switzerland)

**SY0545 09:00 Dissecting the human immune response for developing novel therapies and vaccines**

Davide Corti (Bellinzona, Switzerland)

**SY0546 09:30 Universal influenza virus vaccines**

Florian Krammer (New York, United States)

**SY0547 10:00 Antibody-based therapy to combat *Staphylococcus aureus* infections**

Bruno François (Limoges, France)

**SY0548 10:30 Disarming key *Pseudomonas aeruginosa* virulence factors with novel immunotherapeutics**

Antonio DiGiandomenico (Gaithersburg, United States)

**OS111 09:00 – 11:00 Hall A**  
**2-hour Oral Session**

**Global challenges from emerging viruses**

*Chairs* Önder Ergönül (Istanbul, Turkey),  
 Sotirios Tsiodras (Athens, Greece)

**OS0549 09:00 Crimean-Congo haemorrhagic fever virus in ticks in Turkey: a broad range tick study**

Ö. Orkun\* (Ankara, Turkey), Z. Karaer, A. Çakmak,  
 S. Nalbantoğlu

**OS0550 09:12 Epidemiology of hand, foot and mouth disease in China, 2008-15**

B. Yang\* (Hong Kong, Hong Kong), F. Liu, Q. Liao,  
 P. Wu, Z. Chang, J. Huang, L. Long, L. Luo, Y. Li,  
 G. Leung, B. Cowling, H. Yu

**OS0551 09:24 Seroprevalence of hepatitis E in subjects attending a sexually transmitted infection clinic in Brussels city**

N. Dauby\* (Brussels, Belgium), V. Suin, M. Jacques,  
 S. Vandenwijngaert, M. Delforge, S. De Wit, A. Libois

**OS0552 09:36 Clinico-biological characteristics of an emerging arbovirus: the Mayaro virus. A retrospective study in French Guiana 2003–2016**

R. Nutricy\* (Cayenne, French Guiana), L. Epelboin,  
 E. Mosnier, S. Matheus, F. Djossou, D. Rousset



- OS0553 09:48** Specificity of Tonate virus infection compared to dengue virus: a matched pair study conducted in French Guiana 2003–2016  
*R. Mutricy\* (Cayenne, French Guiana), L. Epelboin, E. Martinez-Lorenzi, E. Calciati, S. Matheus, D. Blanchet, F. Djossou, D. Rousset*
- OS0554 10:00** The neutrophil infiltration of the central nervous system in patients with tick-borne encephalitis  
*S. Grygorczuk\* (Bialystok, Poland), M. Kondrusik, R. Swierzbinska, P. Czupryna, A. Moniuszko, J. Dunaj, J. Zajkowska, S. Pancewicz*
- OS0555 10:12** Review of the first QCMD Zika virus pilot external quality assessment programme  
*E. McCulloch\* (Glasgow, United Kingdom), M. Niedrig, S. Baylis, P. Wallace*
- OS0556 10:24** Characterizing post-Ebola syndrome, Sierra Leone: a review of project results  
*J. Scott\* (Liverpool, United Kingdom), S. Sevalie, P. Steptoe, R. Sesay, P. Howlett, I. Bangura, S. Jagadesh, T. Massaquoi, J. Baxter, C. Parks, R. Dwivedi, M. Lado, A. Walder, R. Dwivedi, T. Solomon, D. Lisk, F. Sahr, N. Beare, M. Semple, M. Solbrig*
- OS0557 10:36** Microbiological and clinical characteristics of patients hospitalized for suspected Middle-East respiratory syndrome coronavirus infection during the 2013–2016 period in the Paris area  
*A. Bleibtreu\* (Paris, France), S. Jauréguiberry, N. Fidouh, D. Boutolleau, H. Guillot, D. Vallois, M. Jaspard, X. Lescure, C. Rioux, E. Caumes, Y. Yazdanpanah*
- OS0558 10:48** Clinical symptoms and laboratory features of acute dengue, chikungunya and Zika fever  
*M. Trojanek\* (Prague, Czech Republic), T. Rudova, N. Sojkova, H. Zelena, H. Rohacova, F. Stejskal*



**OS112 09:00 – 11:00 Hall J**  
**Late-breaker Oral Session**

**Late-breakers in diagnostics**

Details are only available online  
[www.eccmidlive.org](http://www.eccmidlive.org)

**OS113 09:00 – 11:00 Hall K**  
**2-hour Oral Session**

**New drugs against Gram-negatives: from discovery to late-stage development**

**Chairs** *Gerry D. Wright (Hamilton, Canada), Ursula Theuretzbacher (Vienna, Austria)*

- OS0559 09:00** ETX2514: responding to the global threat of nosocomial multidrug and extremely drug-resistant Gram-negative pathogens  
*R. Tommasi\* (Waltham, United States), A. Tanudra, A. Chen, J. Mueller, J. O'Donnell*

- OS0560 09:12** Unraveling the cefepime-zidebactam synergy basis against metallo-beta-lactamase (MBL)-producing *Pseudomonas aeruginosa* through penicillin-binding protein (PBP) binding dynamics  
*B. Moya\* (Orlando, United States), I. Barcelo, S. Bhagwat, M. Patel, G. Bou Arevalo, A. Oliver*
- OS0561 09:24** Activity of the novel siderophore cephalosporin cefiderocol (S-649266) against Gram-negative pathogens  
*L. Poirel\* (Fribourg, Switzerland), J. Dobias, V. Denervaud, P. Nordmann*
- OS0562 09:36** Restoration of sulbactam activity against multidrug-resistant *Acinetobacter baumannii* by the novel, broad-spectrum beta-lactamase inhibitor ETX2514 correlates with beta-lactamase inhibition *in vitro* and *in vivo*  
*A. Miller\* (Waltham, United States), A. Shapiro, S. Moussa, R. Tommasi, J. Mueller, J. O'Donnell*
- OS0563 09:48** *In vivo* efficacy of combinations of novel anti-microbial peptide SPR741 and rifampicin in neutropenic murine thigh infection models of Gram-negative bacterial infection  
*P. Warn\* (Manchester, United Kingdom), D. Corbett, J. Teague, D. Coles, P. Thommes, S. Vaddi, M. Pucci, T. Parr*
- OS0564 10:00** An antimicrobial peptide to face multidrug-resistance emergency: synergies and mechanism of action underpinning efficacy  
*C. Falciani\* (Siena, Italy), J. Brunetti, S. Pollini, A. Bernini, S. Sennati, E. Paccagnini, M. Gentile, P. Lupetti, H. Van der Weide, I. Bakker-Woudenberg, J. Hays, N. Niccolai, G. Rossolini, B. Luisa, A. Pini*
- OS0565 10:12** *In vitro* activity of oxyclozanide in combination with colistin against colistin-susceptible and colistin-resistant Gram-negative bacilli (GNB)  
*A. Miró Canturri\* (Seville, Spain), R. Ayerbe Algaba, P. Raquel, M. Pachon-Ibáñez, J. Pachon-Diaz, Y. Smani*
- OS0566 10:24** *In vitro* characterization of antibacterial activity, cidal and spontaneous resistance potential of CD201, a novel lipopolysaccharide-binding antibacterial immunotherapy  
*J. Locke\* (San Diego, United States), A. Almaguer, C. La Chat, J. Donatelli, A. Borchardt, J. Balkovec, K. Bartizal*
- OS0567 10:36** Community for open antimicrobial drug discovery: crowdsourcing novel antibiotics  
*M. Cooper\* (Brisbane, Australia), A. Elliott, M. Desselle, R. Neale, K. Hansford, J. Zuegg, M. Blaskovich*



**KN114 11:30 – 12:30 Hall A**  
**Keynote Lecture**

**Recent revolution in diagnostic bacteriology**

Chair *Mark Patrick Nicol (Cape Town, South Africa)*

**KN0568 11:30 Gilbert Greub**

*(Lausanne, Switzerland)*



Many new innovative diagnostic approaches have been made available during the last two years with major impact on patient care and several novel tools are under development. The keynote lecture by Prof. Greub will present most of them, by specifically addressing the tools that improved the identification of the aetiological agents of severe infections such as bacteraemia and endocarditis. This will include pellet-based microscopy, novel culture-based diagnostic tools, rapid enzymatic tests, molecular tests as well as very new approaches such as atomic force microscopy. The keynote will be especially interesting for clinical microbiologists but also represents a unique opportunity for infectious diseases specialists and epidemiologists to have a large overview of the new opportunities that are now available or that will emerge later in clinical microbiology laboratories.

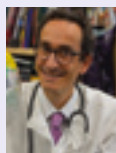
**KN115 11:30 – 12:30 Hall I**  
**Keynote Lecture**

**Emerging brain infections – how to approach them from a global perspective**

Chair *Jean-Paul Stahl (Grenoble, France)*

**KN0569 11:30 Tom Solomon**

*(Liverpool, United Kingdom)*



The last few years have seen an alarming global increase in emerging viral diseases, particularly those caused by arthropod-borne viruses (arboviruses). Based on more than 20 years studying emerging diseases, especially those that affect the brain, in Asia, Africa and more recently South America, this lecture will consider some of the drivers behind such infections; it will show how control is possible through better understanding the clinical features, and improved diagnostics and vaccine development disease.

**KN116 11:30 – 12:30 Hall J**  
**Keynote Lecture**

**Our second genome in health and disease**

Chair *Robert C. Read (Southampton, United Kingdom)*

**KN0570 11:30 Cisca Wijmenga**

*(Groningen, Netherlands)*



Our microbiome displays remarkable inter-individual variation and dynamics, and interacts with dietary, environmental and host factors. To better understand which factors affect microbial composition and diversity in human health and disease we built LifeLines-DEEP, a multi-omics biobank of ~1,500 individuals with a wide range of phenotypes. Using this biobank we have been able to show the effect of diet, genetics and medication on microbial composition. We also showed that the gut microbiome itself affects host metabolism. More recently, we have been investigating how diet-microbe-host interactions determine an individual's risk of developing cardiovascular disease. This research provides potential targets for disease intervention and prevention.

**SY117 11:30 – 12:30 Hall D**  
**1-hour Symposium**

**Resistance dynamics between the human and the veterinary sector**

Chairs *Oana Sandulescu (Bucharest, Romania),  
Beatriz Guerra Román (Parma, Italy)*

**SY0571 11:30 Connecting resistance data in the animal and human sector**

*Luisa Maria Vieira Peixe (Porto, Portugal)*

**SY0572 12:00 Why do we need antimicrobial stewardship in veterinary medicine?**

*Luca Guardabassi (Basseterre, Saint Kitts and Nevis)*

**Co-organized with: European Committee on Infection Control (EUCIC), ESCMID Study Group for Veterinary Microbiology (ESGVM), ESCMID Study Group for Antibiotic Policies (ESGAP)**

**SY118 11:30 – 12:30 Hall E**  
**1-hour Symposium**

**Meningococcal disease – developments and challenges in the “new vaccination” era**

Chairs *Lucia Pastore Celentano (Stockholm, Sweden),  
Ulrich Vogel (Würzburg, Germany)*

**SY0573 11:30 Epidemiology of invasive meningococcal disease**

*Georgina Tzanakaki (Athens, Greece)*

**SY0574 12:00 Impact and safety management in meningococcal B vaccination**

*Ray Borrow (Manchester, United Kingdom)*

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|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>SY119</b>                                               | <b>11:30 – 12:30</b>                                                                                                     | <b>Hall K</b> |
|                                                            | <b>1-hour Symposium</b>                                                                                                  |               |
| <b>Update on sepsis</b>                                    |                                                                                                                          |               |
| <i>Chairs</i>                                              | <i>Amel Letaief (Sousse, Tunisia),<br/>Thierry Calandra (Lausanne, Switzerland)</i>                                      |               |
| <b>SY0575</b>                                              | <b>11:30 Sepsis award presentation and lecture: Burden of<br/><i>S. pneumoniae</i> sepsis in children in Switzerland</b> |               |
|                                                            | <i>Sandra Asner (Lausanne, Switzerland)</i>                                                                              |               |
| <b>SY0576</b>                                              | <b>12:00 Sepsis – the year in review</b>                                                                                 |               |
|                                                            | <i>Shiranee Sriskandan (London, United Kingdom)</i>                                                                      |               |
| <b>Co-organized with: International Sepsis Forum (ISF)</b> |                                                                                                                          |               |

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|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>OS120</b>                                                 | <b>11:30 – 12:30</b>                                                                                                                                                                                         | <b>Hall B</b> |
|                                                              | <b>1-hour Oral Session</b>                                                                                                                                                                                   |               |
| <b>Antimicrobial resistance in long-term care facilities</b> |                                                                                                                                                                                                              |               |
| <i>Chairs</i>                                                | <i>Alison H. Holmes (London, United Kingdom),<br/>Jean-Christophe Lucet (Paris, France)</i>                                                                                                                  |               |
| <b>OS0577 11:30</b>                                          | <b>Do nursing homes represent a reservoir of Enterobacteriaceae-producing extended-spectrum beta-lactamase (ESBLE) or carbapenemase (CPE) in a regional epidemic context in France? The CARBEHPAD study</b>  |               |
|                                                              | <i>D. Lepelletier* (Nantes, France), N. Hayatgheib,<br/>G. Birgand, C. Bourigault, C. Legeay, V. Guilloteau,<br/>S. Perron, P. Bemer, M. Juvin, E. Montassier,<br/>L. De Decker, E. Batard</i>               |               |
| <b>OS0578 11:42</b>                                          | <b>Healthcare-associated infections, antimicrobial use and indicators of infection prevention in long-term care facilities in EU/EEA member states; point prevalence surveys in 2010 and 2013</b>            |               |
|                                                              | <i>P. Kinross* (Solna, Sweden), K. Latour, E. Ricchizzi,<br/>M. Moro, B. Jans, C. Suetens</i>                                                                                                                |               |
| <b>OS0579 11:54</b>                                          | <b>Antibiotic prescribing in long-term care facilities in Slovenia, a point prevalence study</b>                                                                                                             |               |
|                                                              | <i>L. Ušaj* (Ljubljana, Slovenia), D. Stepan, B. Beovic,<br/>M. Petek Šter, M. Smolinger, H. Smole</i>                                                                                                       |               |
| <b>OS0580 12:06</b>                                          | <b>The burden of colonization and infection by carbapenemase-producing Enterobacteriaceae in the neuro-rehabilitation setting: a prospective 4-year experience</b>                                           |               |
|                                                              | <i>S. Tedeschi* (Bologna, Italy), F. Trapani, A. Liverani,<br/>M. Giannella, F. Tumietto, F. Cristini, M. Bartoletti,<br/>R. Pascale, S. Pignanelli, J. Bonavita, G. Belloni,<br/>R. Pederzini, P. Viale</i> |               |
| <b>OS0581 12:18</b>                                          | <b>The impact of a carbapenem-resistant Enterobacteriaceae clearance protocol and contact-precaution discontinuation on prevalence and risk of acquisitions in post-acute care hospitals</b>                 |               |
|                                                              | <i>D. Ben-David* (Tel Aviv, Israel), S. Masarwa,<br/>E. Solter, D. Schwartz, A. Adler, Y. Carmeli,<br/>M. Schwaber</i>                                                                                       |               |

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|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>OS121</b>                        | <b>11:30 – 12:30</b>                                                                                                                           | <b>Hall C</b> |
|                                     | <b>1-hour Oral Session</b>                                                                                                                     |               |
| <b>Acceptability of vaccination</b> |                                                                                                                                                |               |
| <i>Chairs</i>                       | <i>Kåre Mølbak (Copenhagen, Denmark),<br/>Pauline Paterson (London, United Kingdom)</i>                                                        |               |
| <b>OS0582 11:30</b>                 | <b>Immunization status of healthcare students in Austria</b>                                                                                   |               |
|                                     | <i>T. Mertschnigg* (Graz, Austria), C. Koidl,<br/>M. Huebner, S. Haselbacher-Marko, P. Retscher,<br/>E. Ullrich, A. Avian, A. Grisold</i>      |               |
| <b>OS0583 11:42</b>                 | <b>Acceptability of maternal immunization against pertussis in healthcare workers: the PREVACOQ 02 study</b>                                   |               |
|                                     | <i>M. Lefebvre* (Nantes, France), O. Grossi, C. Ferré,<br/>J. Coutherut, V. Briend-Godet, C. Biron, F. Raffi</i>                               |               |
| <b>OS0584 11:54</b>                 | <b>Acceptability of maternal immunization against pertussis in women: the PREVACOQ 01 study</b>                                                |               |
|                                     | <i>M. Lefebvre* (Nantes, France), O. Grossi,<br/>M. Chalopin, E. Prel, J. Coutherut, V. Briend-Godet,<br/>C. Biron, F. Raffi</i>               |               |
| <b>OS0585 12:06</b>                 | <b>Awareness and practices of pregnant women from Romania towards vaccination and other prevention methods for congenital rubella syndrome</b> |               |
|                                     | <i>I. Popa* (Bucharest, Romania), G. Popa, M. Preda,<br/>S. Gheorghe, A. Nita, M. Huhu, O. Ioghen</i>                                          |               |
| <b>OS0586 12:18</b>                 | <b>The use of a peer vaccination programme to deliver influenza vaccinations to healthcare workers</b>                                         |               |
|                                     | <i>F. Lim* (Leicester, United Kingdom), S. Collington,<br/>D. Jenkins</i>                                                                      |               |

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| <b>OS122</b>                       | <b>11:30 – 12:30</b>                                                                                                                                                                                                                                                            | <b>Hall F</b> |
|                                    | <b>1-hour Oral Session</b>                                                                                                                                                                                                                                                      |               |
| <b>Fungal disease epidemiology</b> |                                                                                                                                                                                                                                                                                 |               |
| <i>Chairs</i>                      | <i>Nina Khanna (Basel, Switzerland),<br/>Nikolay Klimko (St. Petersburg, Russian Federation)</i>                                                                                                                                                                                |               |
| <b>OS0587 11:30</b>                | <b>Behind candidaemia: risk factors and outcome in a high-incidence nationwide setting</b>                                                                                                                                                                                      |               |
|                                    | <i>K. Lausch* (Aarhus, Denmark), M. Søgaard,<br/>F. Rosenvinge, H. Johansen, T. Boysen, B. Røder,<br/>K. Mortensen, L. Nielsen, L. Lemming,<br/>B. Olesen, C. Leitz, L. Kristensen, E. Dzajic,<br/>L. Østergaard, H. Schonheyder, M. Arendrup</i>                               |               |
| <b>OS0588 11:42</b>                | <b>Epidemiology and clinical features of the first candidaemia outbreak by <i>Candida auris</i> in a tertiary care hospital in Spain</b>                                                                                                                                        |               |
|                                    | <i>J. Pemán* (Valencia, Spain), A. Ruiz, A. Moret,<br/>M. Adolfo, R. Chouman Arcas, I. Gómez-Alfaro,<br/>N. Lozano, A. Hernández-Cabezas, M. Jose Miguel,<br/>M. Gómez, J. López-Hontangas</i>                                                                                  |               |
| <b>OS0589 11:54</b>                | <b>The response to the emergence of <i>Candida auris</i> within England</b>                                                                                                                                                                                                     |               |
|                                    | <i>R. Guy* (London, United Kingdom), L. Bishop,<br/>A. Borman, D. Curtis, Y. Chow, S. Gerver, A. Hall,<br/>C. Humphreys, K. Jeffery, E. Johnson, R. Manuel,<br/>G. Moore, B. Muller-Pebody, F. Neely, B. Patel,<br/>S. Schelenz, J. Sedwick, S. Taori, D. Turbitt, C. Brown</i> |               |

**OS0590 12:06** *Aspergillus* infection in patients supported on extracorporeal membrane oxygenation (ECMO)  
I. Rodriguez Goncer\* (Manchester, United Kingdom), E. Muldoon, T. Felton, S. Thomas, T. Hayes, L. Feddy

**OS0591 12:18** Invasive fungal disease in paediatric patients undergoing therapy for a haematological malignancy or receiving allogeneic haematopoietic stem-cell transplantation: an interim analysis of the prospective multicentre study IFI-PED  
T. Lehrnbecher\* (Frankfurt, Germany), A. Attarbaschi, F. Poyer, J. Georg, A. Becker, S. Schöning, K. Gordon, A. Groll

**OS123 11:30 – 12:30 Hall G**  
**1-hour Oral Session**

**Issues concerning treatment of malaria, echinococcosis and cryptosporidiosis**

*Chairs* Gagandeep Kang (Vellore, India), Yupin Suputtamongkol (Bangkok, Thailand)

**OS0592 11:30** Comparison of the therapeutic effects of anti-*Cryptosporidium* nano nitazoxanide (NZT) with free form of this drug in neonatal rats  
M. Fallah\* (Hamadan, Iran), F. Sedighi, R. Abbasalipourkabi, A. Maghsood

**OS0593 11:42** Pitfalls in diagnosis and treatment of alveolar echinococcosis: a sentinel case series  
M. Stojkovic\* (Heidelberg, Germany), C. Mikan, T. Weber, T. Junghanss

**OS0594 11:54** Prevalence, risk factors and antimalarial resistance pattern of *Plasmodium falciparum* among pregnant women in the Kaduna metropolis, Nigeria  
M. Jelili\* (Manchester, United Kingdom), I. Abdullahi Nasir, M. Muhammad Aliyu, U. Abdullahi

**OS0595 12:06** The scenario of evolution in sulfadoxine-pyrimethamine resistance and diversity of multiplicity of infection in *msp2* clone of *Plasmodium falciparum* in Indian isolates strain  
A. Kumar\* (Dwarka, India), V. Singh

**OS0596 12:18** Single dose treatment of malaria: a randomized-double blind clinical phase IIb study of artefenomel (OZ439) and piperazine  
M. Ramharter\* (Vienna, Austria), F. Macintyre, H. Demarest, S. Biguenet, M. Adamy, S. Duparc

**OS124 11:30 – 12:30 Hall H**  
**1-hour Oral Session**

**Novel aspects of antivirals**

*Chairs* Guido Antonelli (Rome, Italy), Emmi Andersson (Stockholm, Sweden)

**OS0597 11:30** Favipiravir concentrations in Ebola-infected patients of the JIKI trial did not achieve target exposure  
C. Laouenan\* (Paris, France), T. Nguyen, J. Guedj, X. Anglaret, V. Madelain, A. Taburet, H. Raoul, D. Malvy, X. De Lamballerie, F. Mentre

**OS0598 11:42** Safety and tolerability of letermovir prophylaxis of cytomegalovirus (CMV) infection in adult CMV-seropositive recipients of allogeneic haematopoietic cell transplantation (ALLO-HCT)  
R. Chemaly\* (Houston, United States), S. Dadwal, F. Marty, P. Ljungman, J. Maertens, Y. Katayama, V. Teal, H. Wan, N. Kartsonis, R. Leavitt, Y. Murata, C. Badshah

**OS0599 11:54** Varicella zoster virus central nervous system infections: characteristics, outcome, and tolerability of high-dose intravenous acyclovir  
P. Fillâtre\* (Rennes, France), A. Ballerie, C. Pronier, S. Lavoué, P. Jégo, M. Revest, Y. Le Tulzo, P. Tattevin

**OS0600 12:06** 4-acyl-1-phenylaminothiocarbonyl-2-methyl-piperazine derivatives as potent inhibitors of adenovirus infection  
A. Serna Gallego\* (Seville, Spain), S. Mazzotta, J. Marrugal Lorenzo, M. Vega Holm, P. Martinez Aguado, F. Iglesias Guerra, J. Pachon-Diaz, J. Vega Perez, J. Sánchez Céspedes

**OS0601 12:18** Salicylanilide anthelmintic drugs to combat HAdV infections  
J. Marrugal Lorenzo\* (Seville, Spain), A. Serna Gallego, J. Pachon-Diaz, J. Sánchez Céspedes

**OS125 11:30 – 12:30 Hall L**  
**1-hour Oral Session**

**New agents for bacterial infection in phase 2 and 3 clinical trials**

*Chairs* Inge C. Gyssens (Nijmegen, Netherlands), Bruno François (Limoges, France)

**OS0602 11:30** Reduction in mortality with a novel polyclonal antibody preparation in patients with severe community-acquired pneumonia  
T. Welte\* (Hannover, Germany), J. Almirall, J. Ayestarán, A. Artigas, S. Nuding, G. Rodríguez, R. Ferrer, M. Shankar-Hari, F. Alvarez Lerma, R. Riessen, J. Sirvent, S. Kluge, H. Lapp, G. Wöbker, K. Zacharowski, J. Bonastre Mora, A. Wartenberg-Demand, P. Langohr, D. Benjamin, A. Torres

**OS0603 11:42** Phase 3, randomized, multicentre study of ceftazidime-avibactam versus meropenem in adults with nosocomial pneumonia including ventilator-associated pneumonia (REPROVE)  
A. Torres\* (Barcelona, Spain), N. Zhong, J. Pachi, J. Timsit, M. Kollef, Z. Chen, J. Song, D. Taylor, P. Laud, G. Stone, J. Chow

**OS0604 11:54** Meropenem-vaborbactam (M-V) versus piperacillin-tazobactam (P-T) in the treatment of adults with complicated urinary tract infections (cUTI), including acute pyelonephritis (AP) in TANGO 1, a phase 3 randomized, double-blind, double-dummy trial  
V. Stus\* (Dnipro, Ukraine), O. Sagan, M. Bidair, J. Loutit, M. Dudley, A. Shorr

**OS0605 12:06 CAL02: a liposomal adjunctive anti-toxin therapy in infections. A new therapeutic approach for severe community-acquired pneumonia**  
*B. François\* (Limoges, France), G. Colin, P. Dequin, P. Laterre, A. Perez*

**OS0606 12:18 A phase 3 randomized, double-blind, multi-centre study to compare the safety and efficacy of oral and IV omadacycline to linezolid for treating adult subjects with ABSSSI (the OASIS study)**  
*E. Loh\* (Boston, United States), W. O'Riordan, S. Green, J. Overcash, I. Pulijiz, M. Symeon, J. Gardovskis, L. Garrity-Ryan, A. Das, E. Tzanis, P. Eckburg, A. Manley, S. Villano*

**EP126 12:30 – 13:30 ePoster Arena 1**  
**ePoster Mini-Oral Session**

### Colonization and infection with MDR Gram-negatives

*Moderator Pilar Retamar (Seville, Spain)*

**EP0607 Epidemiology and natural history of ESBL-producing and carbapenem-resistant Enterobacteriaceae rectal colonization among organ transplant recipients**  
*M. Nguyen\* (Pittsburgh, United States), R. Shields, L. Chen, B. Kreiswirth, C. Clancy*

**EP0608 Risk factors for NDM versus non-NDM carbapenem non-susceptible Enterobacteriaceae in Singapore**  
*I. Venkatachalam\* (Singapore, Singapore)*

**EP0609 Risk factors of infection produced by *Klebsiella pneumoniae* extended-spectrum beta-lactamase in a neonatal intensive care unit**  
*A. Rezusta\* (Zaragoza, Spain), E. Morilla, A. Montaner, A. Lopez-Calleja, M. Gómara, B. Vela, M. Ruiz, M. Valderrama, S. Rite, M. Revillo*

**EP0610 Prevalence of rectal colonization by carbapenem-resistant bacteria and relation with bacterial infection development in patients admitted to ICUs**  
*E. Protonotariou\* (Thessaloniki, Greece), A. Tsocha, O. Vasilaki, D. Papadopoulou, E. Christaki, A. Poulou, P. Dignonis, G. Kagkalou, F. Netsika, G. Sgouropoulos, M. Kachrimanidou, K. Karozis, M. Symeon, L. Skoura*

**EP0611 Intestinal colonization with extended-spectrum cephalosporin-resistant Enterobacteriaceae in different population in Switzerland: prevalence, risk factors and molecular features**  
*J. Pires\* (Bern, Switzerland), E. Kuenzli, C. Hauser, R. Tinguely, S. Kasraian, H. Furrer, A. Rauch, V. Perreten, J. Marschall, C. Hatz, M. Hilty, A. Endimiani*

**EP0612 Bloodstream infections caused by OXA-48-producing Enterobacteriaceae among older patients**  
*J. Pano-Pardo\* (Zaragoza, Spain), L. Maria Beleln, B. Díaz-Pollán, R. Velasco Guzman, M. Gomez-Gilmira, M. Romero*

**EP0613 Clinical characteristics and outcomes of OXA-48-producing *Klebsiella pneumoniae* infections: a series of 72 patients in a tertiary-care centre in Spain**

*O. Rodríguez Núñez\* (Barcelona, Spain), C. De la Calle Cabrera, C. Cardozo, L. Morata, A. Ugarte Ramos, C. Gabara Xanco, C. Pitart, F. Marco, C. Garcia-Vidal, A. Soriano, J. Martínez*

**EP0614 ESBL-colonization on ICU admission: impact on subsequent infection, carbapenem consumption and outcome**

*S. Tschudin Sutter\* (Basel, Switzerland), A. Martinez, A. Widmer, R. Frei, A. Egli*

**EP0615 Availability of patient-level real-world data on carbapenem resistance: a systematic analysis**  
*E. McCann\* (Kenilworth, United States), O. Evuarherhe, P. Field*

**EP127 12:30 – 13:30 ePoster Arena 2**  
**ePoster Mini-Oral Session**

### Update on CNS infections

*Moderator Matthijs Brouwer (Amsterdam, Netherlands)*

**EP0616 *Streptococcus pneumoniae*-induced ototoxicity in organ of Corti explant cultures**

*D. Grandgirard\* (Bern, Switzerland), M. Perny, M. Solyga, M. Roccio, P. Senn, S. Leib*

**EP0617 Evaluation of the FilmArray meningitis/encephalitis (ME) panel for the diagnosis of CNS infection with a negative CSF Gram-staining result**  
*H. Lam\* (Hong Kong, Hong Kong), J. Chan, K. Lai, B. Tang*

**EP0618 Seven-year analysis of aetiology, clinical characteristics and outcomes of community-acquired bacterial meningitis in a Lithuanian university hospital**  
*E. Matulytė\* (Vilnius, Lithuania), A. Ambrozaitis, R. Paulauskiene, E. Liukpetryte, R. Vaikutyte, R. Matulionyte*

**EP0619 Is there a concentration threshold for ceftriaxone toxicity? Preliminary results of "High-Dose Ceftriaxone in Central Nervous System Infections", a prospective multicentre cohort study**  
*P. Le Turnier\* (Nantes, France), D. Navas, M. Dalichampt, E. Dailly, D. Garot, T. Guimard, L. Bernard, P. Tattevin, Y. Vandamme, J. Hoff, A. Chiffolleau, L. Leclair, V. Sébille, N. Asseray Madani*

**EP0620 Linezolid therapy for *Staphylococcus aureus* meningitis in adults – a clinical study of 16 patients**  
*V. Pintado Garcia\* (Madrid, Spain), R. Pazos, M. Jiménez-Mejías, A. Rodríguez-Guardado, C. Cabellos, B. Díaz-Pollán, J. Lora-Tamayo, P. Domingo, E. Muñoz, D. Domingo, E. Pérez-Cecilia*



- EP0621** ***Pseudomonas aeruginosa* meningitis in neuro-surgical patients with intraventricular catheters: assessment of different treatments**  
A. Rodriguez-Guardado\* (Oviedo, Spain), C. Rodríguez Lucas, J. Fernandez-Suarez, J. Boga, M. Álvarez, F. Vazquez, M. Telenti
- EP0622** **Neurorickettsiosis: insight from a monocentre study**  
K. Makram\* (Sfax, Tunisia), M. Gargouri, Y. Mejdoub, I. Maaloul, C. Marrakchi, M. Ben Jemaa
- EP0623** **Analysis of intracranial infections following neurosurgery – a prospective cohort study**  
N. Renz\* (Berlin, Germany), B. Dezirlik, T. Finger, P. Vajkoczy, A. Trampuz
- EP0624** **Taking a closer look – improved surveillance of meningococcal disease around the globe**  
L. Sanftenberg\* (Munich, Germany), A. Ritter, H. Schrörs, J. Schelling

**EP128 12:30 – 13:30 ePoster Arena 3**  
**ePoster Mini-Oral Session**

**PK/PD in antifungal treatment**

- Moderator** Joseph Meletiadis (Athens, Greece)
- EP0625** **Pharmacodynamics of isavuconazole in the treatment of invasive *Candida* infections: results from the ACTIVE trial**  
A. Desai\* (Northbrook, United States), L. Kovanda, C. Lademacher, R. Townsend, P. Bonate, W. Hope, D. Andes
- EP0626** **Mutant prevention concentrations (MPCs) of micafungin and anidulafungin against *Candida glabrata* clinical isolates**  
M. Bordallo\* (Madrid, Spain), P. Escibano, J. Diaz-Garcia, L. Marcos-Zambrano, C. Sánchez-Carrillo, E. García G. de la Pedrosa, R. Canton Moreno, E. Bouza Santiago, J. Guinea
- EP0627** **Target-site pharmacokinetics of voriconazole during sequence therapy**  
F. Kluwe\* (Berlin, Germany), C. Kirbs, L. Ehmann, F. Drescher, J. Weiss, P. Matzneller, M. Zeitlinger, C. Kloft
- EP0628** **Isavuconazole levels in non-immunocompromised patients treated for chronic pulmonary aspergillosis**  
R. Richardson\* (Manchester, United Kingdom), C. Moore, E. Muldoon, D. Denning, M. Richardson
- EP0629** **One size does not fit all: how to adjust the dose of anidulafungin in obese patients**  
R. Wasmann\* (Nijmegen, Netherlands), R. Ter Heine, D. Burger, V. Lempers, C. Knibbe, R. Brüggemann
- EP0630** **Considerable interindividual variability of anidulafungin pharmacokinetics in critically ill ICU patients**  
J. Meletiadis\* (Nijmegen, Netherlands), E. Mainas, O. Apostolopoulou, S. Apostolidi, E. Neroutsos, M. Siopi, A. Dokumetizidis, G. Valsami, H. Sambatakou, G. Dimopoulos

- EP0631** **Population PK model and pharmacokinetic target attainment of micafungin in ICU patients**  
L. Martial\* (Nijmegen, Netherlands), R. Brüggemann, R. Ter Heine, J. Schouten, N. Hunfeld, H. Van Leeuwen, P. Verweij, D. De Lange, P. Pickkers

- EP0632** **Increase micafungin dose for patients under ECMO**  
B. Mourvillier\* (Paris, France), V. Jullien, J. Trouillet, S. Ruckly, G. Capellier, M. Wolff, E. Azoulay, J. Timsit

**EP129 12:30 – 13:30 ePoster Arena 4**  
**ePoster Mini-Oral Session**

**Viral molecular epidemiology: from mass gatherings to body compartments**

- Moderator** Simona Paraschiv (Bucharest, Romania)
- EP0633** **Carnival meets Oktoberfest: molecular epidemiology of the HIV epidemic in two German metropolises**  
M. Hoenigl\* (Graz, Austria), M. Stecher, J. Bogner, C. Lehmann, J. Eberle, C. Spinner, R. Kaiser, G. Behrens, G. Faetkenheuer, S. Mehta, J. Vehreschild, A. Chaillon
- EP0634** **Phylogenetic tree and network analysis for reconstructing evolutionary dynamics of coxsackievirus B5 and swine vesicular disease virus**  
P. Chu\* (Kaohsiung, Taiwan), H. Huang, Y. Shi
- EP0635** **Manifestation of enterovirus D68 in Europe, 2016, and the need for enhanced surveillance of non-polio enteroviruses (NPEV)**  
R. Poelman\* (Groningen, Netherlands), M. Knoester, C. Van Leer-Buter, H. Niesters
- EP0636** **HEV burden in allogenic haematopoietic stem cell transplant recipients in Genoa, Italy**  
M. Mikulska\* (Genoa, Italy), L. Nicolini, F. Elisa, B. Bruzzzone, E. Rappazzo, L. Sticchi, C. Di Grazia, A. Dominietto, E. Angelucci, C. Viscoli
- EP0637** **Molecular epidemiology of a hepatitis C virus outbreak in renal patients**  
T. Lim\* (Singapore, Singapore), K. Lim, M. How, S. Thangaraju, T. Kee, M. Foo, K. Chan, W. Chow, K. Fong, L. Oon Lin Ean
- EP0638** **Emerging epidemic viruses are an important cause of encephalitis in infants and children: findings from Australian cohort (ACE) study (2013–2016)**  
C. Jones\* (Parkville Vic, Australia), P. Britton, R. Dale, J. Clarke, N. Crawford, H. Marshall, E. Elliott, K. Macartney, R. Booy
- EP0639** **Detection of human enteroviruses and parechoviruses in cerebrospinal fluid: five years of experience in East London**  
M. Krutikov\* (London, United Kingdom), A. Jayakumar, O. Lucey, J. Mayer, C. Osborne, W. Tong



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|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EP0640 | <b>A tale of two outbreaks – rapid metagenomic next-generation sequencing to inform infection prevention</b><br><i>A. Greninger* (Seattle, United States), D. Zerr, X. Qin, A. Adler, A. Waghmare, J. Englund, K. Jerome</i>                                       |
| EP0641 | <b>Comparing viral respiratory tract infections in symptomatic children and adults: multiplex NAT results from 2010–2015</b><br><i>H. Hirsch* (Basel, Switzerland), F. Compagno, N. Khanna, D. Stolz, M. Battegay, U. Frey, M. Tamm</i>                            |
| EP130  | <b>12:30 – 13:30 ePoster Arena 5</b><br><b>Lab automation – delivering for the future</b><br><i>Moderator Onya Opota (Lausanne, Switzerland)</i>                                                                                                                   |
| EP0642 | <b>Towards automated detection, quantification and identification of microbial growth in clinical bacteriology: a proof of concept</b><br><i>A. Croxatto* (Lausanne, Switzerland), R. Marcepoil, C. Orny, D. Morel, G. Prod'hom, G. Greub</i>                      |
| EP0643 | <b>Automatic urine culture analysis using CSPe agar and the WASPLab Chromogen detection module</b><br><i>M. Faron* (Milwaukee, United States), B. Buchan, N. Ledebøer</i>                                                                                          |
| EP0644 | <b>Colibri™: comparison between automated and traditional MALDI-TOF targets preparation</b><br><i>A. Bielli* (Milan, Italy)</i>                                                                                                                                    |
| EP0645 | <b>First glimpse after 10 months of BD-Kiestra Total Laboratory Automation system implementation in a Belgian laboratory network</b><br><i>G. Mascart* (Brussels, Belgium), V. Miendje, B. Mahadeb, S. Attalibi, N. Hovine, A. Ebraert, D. Martiny, V. Olivier</i> |
| EP0646 | <b>Evaluation of BIOMIC digital plate reader to determine disc diffusion susceptibilities in a clinical laboratory</b><br><i>S. Tan* (Singapore, Singapore), L. Eng, J. Leong, Y. Ibrahim, T. Tan</i>                                                              |
| EP0647 | <b>Hyperspectral image analysis discrimination of bacterial colonies on blood agar for urine specimen diagnosis</b><br><i>G. Turra* (Brescia, Italy), S. Arrigoni, P. Casella, A. Signoroni, S. Castriciano</i>                                                    |
| EP0648 | <b>Evaluation of the COPAN BC+ container for blood culture sampling and processing by the WASP™</b><br><i>D. De Geyter* (Brussels, Belgium), K. Emmerechts, S. Merckx, D. Pierard</i>                                                                              |
| EP0649 | <b>Implementation of Copan FecalSwab and Copan Selenite on WASP for the automated processing of stool specimens</b><br><i>A. Lemmens* (Mechelen, Belgium), T. Goegebuer, L. Hendrickx</i>                                                                          |
| EP0650 | <b>Implementation of automatized workflow for laboratory developed realtime PCR assays</b><br><i>S. Løkkegaard Larsen* (Odense, Denmark), M. Skov, S. Hoegh, M. Kemp</i>                                                                                           |

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|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EP131  | <b>12:30 – 13:30 ePoster Arena 6</b><br><b>Mycobacterial diagnostics revisited</b><br><i>Moderator Mark Patrick Nicol (Cape Town, South Africa)</i>                                                                                                                                               |
| EP0651 | <b>Evaluation of point-of-care testing of rapid, simple and cost effective detection of <i>M. tuberculosis</i></b><br><i>C. Nikam* (Mumbai, India), C. Nair, M. Jagannath, M. Narayanan, V. Ramanabhiraman, V. Nair, C. Rodrigues</i>                                                             |
| EP0652 | <b>Automated fluorescence AFB smear reading system for tuberculosis diagnosis-based on a deep-learning technology</b><br><i>H. Park* (Yuseong-Gu, Daejeon, South Korea), T. Kim, M. Choi, M. Kim, J. Park, S. Shin, H. Jeong</i>                                                                  |
| EP0653 | <b>Performance of the immunochromatographic BD MGIT TBc identification test for the differentiation of <i>Mycobacterium tuberculosis</i> complex from non-tuberculous mycobacteria: a seven-year experience</b><br><i>F. Kontas* (Athens, Greece), G. Kalogeras, S. Vourli, S. Pournaras</i>      |
| EP0654 | <b>Lack of response to HBHA in <i>Mycobacterium tuberculosis</i>-infected children is associated with active TB disease</b><br><i>M. Sali* (Rome, Italy), D. Buonsenso, F. De Maio, B. Battah, I. Palucci, M. Sanguinetti, P. Valentini, G. Delogu</i>                                            |
| EP0655 | <b>Rapid identification of <i>Mycobacterium tuberculosis</i> complex directly from broth culture vials</b><br><i>C. Godoy Carvalhaes* (São Paulo, Brazil), V. Fanchini, F. Pinto, J. Lucena, T. Chagas-Neto, A. Andriolo, A. Machado</i>                                                          |
| EP0656 | <b>Comparison of four decontamination methods for cultivation of mycobacteria from sputum samples</b><br><i>J. Zallet* (Borstel, Germany), A. Sönke, A. Witt, P. Vock, B. Kalsdorf, C. Lange, U. Werner, K. Kranzer</i>                                                                           |
| EP0657 | <b>Evaluation of recovery of <i>Mycobacterium tuberculosis</i> by using Lowenstein-Jensen medium with plastic tube packaging</b><br><i>R. Nambiar* (Mumbai, Maharashtra, India), N. Bereksi, R. Gonzalez, A. DeCozar, M. Loubet, A. Shetty, C. Rodrigues</i>                                      |
| EP0658 | <b>Development of nanopore-based whole-genome sequencing to allow <i>Mycobacterium</i> diagnosis directly from patient samples</b><br><i>L. Pankhurst* (Oxford, United Kingdom), P. Bradley, A. Votintseva, C. Del Ojo Elias, N. Sanderson, M. Morgan, S. Walker, T. Peto, D. Crook, Z. Iqbal</i> |
| EP0659 | <b>Evaluation of Omnigene Sputum, a novel sputum transport and decontamination reagent, for microscopy, culture and XpertMTB/RIF assays</b><br><i>D. Yeboah-Manu* (Legon, Ghana), D. Asandem, S. Osei-Wusu, E. Danso, I. Otchere, A. Wiredu</i>                                                   |

| EP132     | 13:30 – 14:30                                                                                                                                                                                                                                        | ePoster Arena 1 |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|           | <b>ePoster Mini-Oral Session</b>                                                                                                                                                                                                                     |                 |
|           | <b>OMIC studies in disease pathogenesis</b>                                                                                                                                                                                                          |                 |
| Moderator | Marco Oggioni (Leicester, United Kingdom)                                                                                                                                                                                                            |                 |
| EP0660    | <b>Virulence factors distribution among non-ST131 and ST131 ESBL-<i>E. coli</i> in colonized patients. Results from the R-GNOSIS project</b>                                                                                                         |                 |
|           | A. Gonzalez Gonzalez* (Madrid, Spain), I. Merino, M. Hernández García, C. Turrientes, N. López Fresneña, C. Díaz-Agero, F. Maechler, C. Fankhauser, A. Kola, J. Schrenzel, S. Harbarth, M. Bonten, P. Gastmeier, R. Canton Moreno, P. Ruiz-Garbajosa |                 |
| EP0661    | <b>Understanding the clinical importance of AmpC-producing <i>E. coli</i> through whole genome sequence data</b>                                                                                                                                     |                 |
|           | H. Sidjabat* (Brisbane, Australia), L. Coleman, G. Nimmo, N. George, D. Paterson, J. Douglas                                                                                                                                                         |                 |
| EP0662    | <b>Whole-genome sequencing reveals the secrets of the <i>Salmonella</i> Dublin invasome</b>                                                                                                                                                          |                 |
|           | M. Mohammed* (London, United Kingdom), S. Le Hello, P. Leekitcharoenphon, R. Hendriksen                                                                                                                                                              |                 |
| EP0663    | <b>Polymorphisms in coagulase of <i>Staphylococcus aureus</i> are associated with infection of cardiovascular devices</b>                                                                                                                            |                 |
|           | B. Young* (Oxford, United Kingdom), K. Cole, C. Wu, H. Seifert, S. Rieg, L. Lopez-Cortes, M. Gurguí, J. Lepe, H. Kim, W. Park, R. Tilley, M. Scarborough, J. Edgeworth, M. Llewelyn, D. Wilson, A. Kaasch                                            |                 |
| EP0664    | <b>Whole transcriptomic analysis of chlorhexidine-tolerance mechanisms in <i>Acinetobacter baumannii</i> ST-2 clinical strain</b>                                                                                                                    |                 |
|           | L. Fernandez Garcia* (A Coruña, Spain), M. Tomas Carmona, F. Fernández-Cuenca, L. Blasco, F. Caballero, M. Lopez, G. Bou Arevalo, A. Pascual Hernandez                                                                                               |                 |
| EP0665    | <b>Systems pharmacology of interactions among <i>Acinetobacter baumannii</i>, human lung epithelial cells and polymyxin B</b>                                                                                                                        |                 |
|           | T. Tran* (Victoria, Australia), Y. Zhu, M. Johnson, K. Kaye, P. Bergen, A. Forrest, D. Creek, A. Purcell, P. Hertzog, J. Song, T. Velkov, J. Li                                                                                                      |                 |
| EP0666    | <b>Loci influencing <i>Burkholderia pseudomallei</i> virulence and disease manifestations in human melioidosis</b>                                                                                                                                   |                 |
|           | C. Chewapreecha* (Cambridge, United Kingdom), S. Harris, M. Hunt, V. Wuthiekanun, J. Parkhill, D. Limmathurotsakul, S. Peacock                                                                                                                       |                 |
| EP0667    | <b>Iron uptake of <i>Neisseria meningitidis</i> during infection may be involved in the duality between carriage and invasiveness</b>                                                                                                                |                 |
|           | J. Sevestre* (Rouen, France), I. Tournier, P. François, F. Biville, L. Lemee, F. Caron, M. Taha                                                                                                                                                      |                 |

| EP133     | 13:30 – 14:30                                                                                                                                                                                           | ePoster Arena 2 |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|           | <b>ePoster Mini-Oral Session</b>                                                                                                                                                                        |                 |
|           | <b>Laboratory detection of multidrug-resistant organisms</b>                                                                                                                                            |                 |
| Moderator | Spyros Pournaras (Athens, Greece)                                                                                                                                                                       |                 |
| EP0669    | <b>Rapid carbapenemase detection from culture material or directly in clinical samples with antibody microarrays</b>                                                                                    |                 |
|           | R. Ehricht* (Jena, Germany), E. Mueller, J. Büchler, O. Dorneanu, S. Monecke                                                                                                                            |                 |
| EP0670    | <b>Rapid molecular tests to detect carbapenem resistance from direct clinical samples</b>                                                                                                               |                 |
|           | R. Rangarajan* (Hyderabad, India), R. Venkataraman, S. Lahiri, S. Sudhaharan, N. Mamidi, L. Vemu                                                                                                        |                 |
| EP0671    | <b>Interlaboratorial reproducibility of phenotypic methods for detection of carbapenemase-producing Enterobacteriaceae: the real-life scenario</b>                                                      |                 |
|           | J. Mello-Sampaio* (São Paulo, Brazil), A. Gales, A. Barth, A. D'Alincourt Carvalho Assef, C. Faria Junior, D. Garcia, L. Santos, M. Pillonetto, M. Martinho                                             |                 |
| EP0672    | <b>An early economic model to assess the costs and consequences of using a PCR-based diagnostic test to identify carbapenemase-producing Enterobacteriaceae carriers upon admission to UK hospitals</b> |                 |
|           | E. Moloney* (Newcastle upon-Tyne, United Kingdom), K. Lee, D. Craig, J. Allen, C. Steeds, J. Perry                                                                                                      |                 |
| EP0673    | <b>Evaluation of the carbapenem-inactivation method for the detection of carbapenemase-producing Enterobacteriaceae</b>                                                                                 |                 |
|           | L. Gauthier* (Le Kremlin-Bicêtre, France), R. Bonnin, L. Dortet, T. Naas                                                                                                                                |                 |
| EP0674    | <b>Performance of the EUCAST disc diffusion method in detection of carbapenemase-producing Enterobacteriaceae (CPE) – the NordicAST 2016 CPE-study</b>                                                  |                 |
|           | B. Haldorsen* (Tromsø, Norway), C. Giske, D. Hansen, K. Helgason, G. Kahlmeter, I. Løhr, E. Matuschek, M. Österblad, K. Rantakokko-Jalava, M. Wang, A. Sundsfjord, O. Samuelsen                         |                 |
| EP0675    | <b>Evaluation of the AmpliDiag CarbaR-VRE kit for the accurate detection of carbapenemase-producing bacteria</b>                                                                                        |                 |
|           | S. Queslati* (Le Kremlin-Bicêtre, France), D. Girlich, L. Dortet, T. Naas                                                                                                                               |                 |
| EP0676    | <b>Evaluation of MALDI-TOF derived mass-spectrum as a tool for early warning of vancomycin-resistant <i>Enterococcus faecium</i></b>                                                                    |                 |
|           | E. Rapp* (Örebro, Sweden), M. Sundqvist                                                                                                                                                                 |                 |
| EP0677    | <b>Rapid detection of multiple amino glycoside resistance in Enterobacteriaceae</b>                                                                                                                     |                 |
|           | P. Nordmann* (Fribourg, Switzerland), A. Jayol, J. Dobias, L. Poiriel                                                                                                                                   |                 |

| EP134                                              | 13:30 – 14:30                                                                                                                                   | ePoster Arena 3 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                                    | ePoster Mini-Oral Session                                                                                                                       |                 |
| <b>International health and parasitic diseases</b> |                                                                                                                                                 |                 |
| Moderator                                          | Francesco Castelli (Brescia, Italy)                                                                                                             |                 |
| EP0678                                             | <b>Systematic active tuberculosis screening in asylum seekers in the Emilia Romagna region, Italy</b>                                           |                 |
|                                                    | M. Tadolini* (Bologna, Italy), E. Vanino, L. Attard, C. Po', F. Francia, A. Giannini, P. Viale                                                  |                 |
| EP0679                                             | <b>Start from scratch: effect of a programme on scabies in asylum seekers at entry into the Netherlands</b>                                     |                 |
|                                                    | S. Ravensbergen* (Groningen, Netherlands), D. Beeres, A. Heidema, D. Cornish, M. Vonk, J. Hendriks, J. Kleinnijenhuis, T. Omansen, Y. Stienstra |                 |
| EP0680                                             | <b>Post-malaria neurological syndrome: report of 3 cases from a Portuguese malaria reference centre</b>                                         |                 |
|                                                    | L. Santos* (Porto, Portugal), A. Silva-Pinto, A. Costa, J. Alves, N. Neves Silva, P. Abreu, C. Abreu, A. Sarmento                               |                 |
| EP0681                                             | <b>Retinal detachment due to <i>Baylisascaris</i> "first time caught under the microscope!" – a rare case report</b>                            |                 |
|                                                    | N. Verma* (New Delhi, India), V. Kumar, K. Kant, B. Mirdha                                                                                      |                 |
| EP0682                                             | <b>Value of PCR in the diagnosis of malaria in a time of migration</b>                                                                          |                 |
|                                                    | G. Hartmeyer* (Odense, Denmark), M. Niyonkuru, S. Hoegh, M. Kemp                                                                                |                 |
| EP0683                                             | <b>Comparative analysis of two serological techniques for <i>Strongyloides stercoralis</i> antibody detection</b>                               |                 |
|                                                    | I. Fradejas Villajos* (Madrid, Spain), A. Martín-Díaz, I. Muñoz-Gallego, J. Herrero-Martínez, M. Lizasoain Hernández, A. Perez de Ayala Balzola |                 |
| EP0684                                             | <b>Permethrin resistance in head lice in Istanbul, Turkey: a pilot study</b>                                                                    |                 |
|                                                    | Ö. Kurt* (İstanbul, Turkey), B. Batir, B. Cilga, B. Mat, B. Cakmak, H. Özgün, T. Orhan                                                          |                 |
| EP0685                                             | <b>Vector control using <i>Wolbachia</i> bacteria: a cage experiment targeting <i>Culex p. pipiens</i></b>                                      |                 |
|                                                    | M. Oshaghi* (Tehran, Iran), M. Karami, S. Moosa-Kazemi, H. Vatandoost, M. Srdaghat, R. Rajabnia, M. Hosseini, N. Maleki-Ravasan, Y. Yahyapoor   |                 |

| EP135                                       | 13:30 – 14:30                                                                                                                                                                                                                                                                                    | ePoster Arena 4 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                             | ePoster Mini-Oral Session                                                                                                                                                                                                                                                                        |                 |
| <b>Antibiotic stewardship interventions</b> |                                                                                                                                                                                                                                                                                                  |                 |
| Moderator                                   | Inge Gyssens (Nijmegen, Netherlands)                                                                                                                                                                                                                                                             |                 |
| EP0687                                      | <b>The PIRASOA programme: ecological impact of an antimicrobial stewardship programme based on educational interviews in primary care of the public health system of Andalusia, Spain</b>                                                                                                        |                 |
|                                             | G. Peñalva Moreno* (Seville, Spain), R. Fernandez-Urrusuno, M. Camara, M. Aguilar, J. Dominguez-Camacho, F. Bernal, I. Pajares, R. Hernandez-Soto, L. Carrion, I. Vazquez-Cruz, M. Domínguez Jiménez, C. Serrano, A. Dominguez-Castano, M. De Cueto, J. Lepe, A. Irastorza, J. Cisneros Herreros |                 |
| EP0688                                      | <b>What's in the mystery discharge box? A gap in antimicrobial stewardship interventions on hospital discharge prescriptions</b>                                                                                                                                                                 |                 |
|                                             | R. Chavada* (Gosford, Australia), L. O'Connor, J. Davey, D. Tong                                                                                                                                                                                                                                 |                 |
| EP0689                                      | <b>Multicentre community-acquired pneumonia antimicrobial stewardship intervention in southern Spain: the PROANAC project</b>                                                                                                                                                                    |                 |
|                                             | P. Retamar Gentil* (Seville, Spain), M. Macías, F. Guerrero-Sanchez, F. Nebrera, I. Morales, L. Lopez-Cortes, N. Batista, R. Criado, J. Rodríguez-Baño                                                                                                                                           |                 |
| EP0690                                      | <b>Impact of antimicrobial stewardship intervention on resistance rates in community-associated Gram-negative bacteraemia: segmented regression analysis of interrupted time series data</b>                                                                                                     |                 |
|                                             | V. Hernandez Santiago* (Dundee, United Kingdom), C. Marwick, P. Davey, D. Nathwani, B. Guthrie                                                                                                                                                                                                   |                 |
| EP0691                                      | <b>Impact of daily review by an infectious diseases physician combined with antimicrobial stewardship team interventions on clinical outcomes in patients with bloodstream infections, using a quasi-experimental design</b>                                                                     |                 |
|                                             | M. Maeda* (Tokyo, Japan), T. Takuma, Y. Naito, K. Ugajin, S. Haruka, H. Shoji, K. Ishino, Y. Niki                                                                                                                                                                                                |                 |
| EP0692                                      | <b>The impact of antibiotic allergy testing on antibiotic utilization in immunocompromised hosts – a multicentre antimicrobial stewardship intervention</b>                                                                                                                                      |                 |
|                                             | J. Trubiano* (Melbourne, Australia), A. Stewardson, M. Slavin, K. Thursky, K. Urbancic, M. Sutherland, L. Worth, M. Grayson, E. Phillips                                                                                                                                                         |                 |
| EP0693                                      | <b>Optimizing pre-operative antibiotic prophylaxis in patients with beta-lactam allergy: a novel extension of antimicrobial stewardship</b>                                                                                                                                                      |                 |
|                                             | A. Vaisman* (Toronto, Canada), J. McCready, J. Powis                                                                                                                                                                                                                                             |                 |
| EP0694                                      | <b>Early antibiotic stewardship starts in the emergency department</b>                                                                                                                                                                                                                           |                 |
|                                             | F. Foschi* (Tübingen, Germany), M. Buhl, G. Marasca, K. Spohn, F. Burkert, S. Eisenbeis, P. Beryl, F. Kreth, E. Tacconelli                                                                                                                                                                       |                 |

- EP0695** **Paediatric antibiotic stewardship – successful interventions to reduce broad-spectrum antibiotic use and improve guideline adherence on general paediatric wards**  
K. Kreitmeyr\* (Munich, Germany), A. Pecar, M. Andraschko, R. Mikolajczyk, A. Kropec, U. Von Both, J. Huebner

**EP136** **13:30 – 14:30** **ePoster Arena 5**  
**ePoster Mini-Oral Session**

**Candida infections: from changing epidemiology to changing treatment**

Moderator Benito Almirante (Barcelona, Spain)

- EP0696** **12-year nationwide fungaemia surveillance in Denmark: current status and recent trends**  
K. Astvad\* (Copenhagen, Denmark), R. Jensen, H. Johansen, B. Røder, J. Knudsen, F. Rosenvinge, L. Lemming, H. Schonheyder, L. Kristensen, J. Gertsen, E. Dzajic, L. Nielsen, M. Pedersen, B. Olesen, C. Østergaard, T. Søndergaard, M. Arendrup
- EP0697** **Investigation of a nosocomial outbreak of fungaemia caused by *Candida pelliculosa* (*Pichia anomala*) in a Korean tertiary care centre**  
J. Jung\* (Ulsan, South Korea), J. Lim, J. Jeong, J. Jun
- EP0698** **The emerging *Candida auris*: antifungal activity of SCY-078, a novel glucan synthesis inhibitor, on growth morphology and biofilm formation**  
M. Ghannoum\* (Cleveland, United States), E. Larkin, C. Hager, J. Chandra, P. Mukherjee, M. Retuerto, I. Salem, L. Long, N. Isham, L. Kovanda, K. Borroto-Esoda, S. Wring, D. Angulo Gonzalez
- EP0699** **Phenotypic and genotypic virulence features of *Candida albicans* strains isolated from hospitalized patients**  
O. Shalal\* (Bucharest, Romania), A. Holban, L. Ditu, M. Chifiriuc
- EP0700** **The variable ability of forming biofilm in *Candida parapsilosis* bloodstream isolates is associated to different pathogenicity**  
S. Soldini\* (Rome, Italy), A. Vella, E. De Carolis, M. Tumbarello, B. Posteraro, M. Sanguinetti
- EP0701** **Mechanisms of resistance against antifungal drugs in *Candida albicans* and *Candida glabrata* – analysis of resistance genes using next generation sequencing**  
K. Spettel\* (Vienna, Austria), B. Willinger, W. Barousch, A. Makristathis, A. Hirschl, B. Selitsch, M. Nehr
- EP0702** ***Candida* reactive T cells for diagnosis of invasive *Candida* infection**  
F. Köhler\* (Grevenbroich, Germany), O. Cornely, H. Wisplinghoff, A. Schauss, J. Staak, N. Jaspers, A. Richter, H. Ostermann, P. Köhler

- EP0703** **Prophylactic, single-dose, subcutaneous (SC) administration of CD101 shows robust efficacy in neutropenic mouse models of candidiasis and aspergillosis**  
V. Ong\* (San Diego, United States), K. Bartizal, S. Lopez, L. Miesel

- EP0704** **Efficacy of a “check-list” intervention bundle on the clinical evolution of patients with *Candida* bloodstream infections**  
A. Vena\* (Madrid, Spain), P. Muñoz, R. Corisco, M. Valerio Minero, B. Padilla, A. Fernandez-Cruz, P. Gijón, M. Sanchez-Somolinos, I. Frias, E. Bouza Santiago

**EP137** **13:30 – 14:30** **ePoster Arena 6**  
**ePoster Mini-Oral Session**

**Intra-abdominal infections**

- Moderator Amel Letaief (Sousse, Tunisia)
- EP0705** **Faecal microbiota transplantation via enema for recurrent *Clostridium difficile* infection modulates the inflammatory host response and restores intestinal dysbiosis**  
A. D'Abramo\* (Rome, Italy), A. Oliva, M. Zingaropoli, C. Cicerone, G. Bruno, E. Corazziari, S. Schippa, M. Trancassini, V. Vullo
- EP0706** **Cost-effectiveness of extended-pulsed fidaxomicin (EPFX) versus standard vancomycin (SV) in older patients with *Clostridium difficile* infection in England**  
M. Watt\* (Surrey, United Kingdom), C. McCrea
- EP0707** **Asymptomatic carriage of *Clostridium difficile* in French hospitals: the result of the multicentre Portadiff study**  
A. Le Monnier\* (Paris, France), E. Bille, N. Bourgeoi, V. Cattoir, E. Farfour, N. Grall, D. Lecointe, A. Limelette, G. Marcade, A. Mizrahi, I. Poilane, P. Poupy, J. Zahar
- EP0708** **Prevalence of the *Clostridium difficile* infection determined by real-time PCR in stool samples with or without clinical suspicion**  
I. Valledor\* (Zaragoza, Spain), S. Valledor, F. Castillo, A. Belles Belles, C. Seral
- EP0709** **Validation cohort of a predictive tool (GEIH-CDI score) for recurrent *Clostridium difficile* infection**  
J. Cobo\* (Madrid, Spain), B. Fernández, A. Cozar, E. Merino, E. Shaw Perujo, C. Martínez, E. Calbo, L. Sánchez, E. Bereciartua, C. Sardiña, P. Llinares, M. Pérez-Rodríguez, J. Cuquet, J. Gálvez-Acebal, S. Cuéllar, D. García-Rosado, L. Torres, B. Pino-Calm, C. Henriquez, A. Sánchez-Porto
- EP0710** **The epidemic characteristics of infectious diarrheal pathogens of China during 2010 to 2014**  
X. Wang\* (Beijing, China)

- EP0711** **Outbreak of cholera at Dutsen Abba Ward Zaria local government area, Kaduna state, Nigeria 2015: the importance of hygienic practices**  
*B. Ibrahim\* (Kano, Nigeria), A. Mohammed, Y. Mohammed*
- EP0712** **Mapping human cases of shiga toxigenic *Escherichia coli* in Western Ireland – implications for public health**  
*D. Morris\* (Galway, Ireland), C. Brehony, J. Cullinan, B. Hanahoe, M. Cormican*
- EP0713** **Consistent contamination of recreational waters with shiga-toxigenic *Escherichia coli***  
*D. Morris\* (Galway, Ireland), C. Brehony, B. Mahon, J. Killeen, M. Cormican, P. Hickey, S. Keane*

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| <b>KN138</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>14:30 – 15:30</b>                          | <b>Hall A</b>                                            |
| <b>Keynote Lecture</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |                                                          |
| <b>Antibiotic stewardship around the globe</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                               |                                                          |
| <i>Chair</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <i>David L. Paterson (Herston, Australia)</i> |                                                          |
| <b>KN0714</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>14:30</b>                                  | <b>Dilip Nathwani</b><br><i>(Dundee, United Kingdom)</i> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                               |                                                          |
| <p>Antimicrobial stewardship is a key strategy to combat AMR. I suggest a novel approach to thinking about stewardship, that is implementation focused and embedded into the emerging principles of realistic and pragmatic medicine that attempts to reduce waste and variation and thereby harm. Alongside traditional models of knowledge gathering, analysis and dissemination we need to recognise the value of tacit knowledge and experiential learning to help understand many key questions for effecting safe and sustainable change – what works, in what setting, for whom, for how long and why? This presentation explores these concepts by providing examples of international collaborations across the globe where people have developed different successful approaches to stewardship but also failures that have resulted in good learning. Within this construct we need to appreciate that knowledge and skills in themselves are inadequate for sustained improvement but we also need to change culture and habits.</p> |                                               |                                                          |
| <p><b>Co-organized with: Dutch Society of Medical Microbiology (NVMM)</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |                                                          |

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| <b>KN139</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>14:30 – 15:30</b>                            | <b>Hall C</b>                               |
| <b>Keynote Lecture</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                 |                                             |
| <b>The power of ONE: immunology in the age of single-cell genomics</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                 |                                             |
| <i>Chair</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <i>Thierry Calandra (Lausanne, Switzerland)</i> |                                             |
| <b>KN0715</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>14:30</b>                                    | <b>Ido Amit</b><br><i>(Rehovot, Israel)</i> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                 |                                             |
| <p>Immune cell functional diversity is critical for the generation of the different regulator and effector responses required to safeguard the host against a broad range of threats such as pathogens and cancer, but also from attacking its own healthy cells and tissues. In multicellular organisms, dedicated regulatory circuits control cell-type diversity and responses. The crosstalk and redundancies within these circuits and substantial cellular plasticity and heterogeneity pose a major research challenge. Over the past few years, we have developed a collection of innovative single-cell technologies, which provide unprecedented opportunities to draw a more accurate picture of the various cell types and underlying regulatory circuits, including basic mechanisms, transitions from normal to disease states and response to therapies. I will discuss some of our discoveries and how they change the current dogma in immune regulation as well novel technologies that combine single-cell RNA-seq with CRISPR pooled screens and demonstrate the power of these approaches to probe and infer the wiring of mammalian circuits, fundamental to future engineering of immune cells towards desired responses, including immunotherapy.</p> |                                                 |                                             |

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| <b>KN140</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>14:30 – 15:30</b>                   | <b>Hall K</b>                                            |
| <b>Keynote Lecture</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |                                                          |
| <b>Within-host evolution of bacterial pathogens and implications for transmission analysis</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |                                                          |
| <i>Chair</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <i>Holger Rohde (Hamburg, Germany)</i> |                                                          |
| <b>KN0716</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>14:30</b>                           | <b>Xavier Didelot</b><br><i>(London, United Kingdom)</i> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                          |
| <p>Genomic data on bacterial infections has revealed previously unsuspected levels of within-host diversity. Evolution during infection can help bacteria adapt to specific host conditions or anatomical niches, evade the host immune system and survive treatments with antibiotics or vaccines. Within-host evolution also has important implications for the reconstruction of transmission pathways. The diversity in genomic datasets reflects the phylogenetic relationships between isolates, but this phylogeny does not reflect transmission. Correctly accounting for within-host evolution is therefore crucial to perform genomic epidemiology of bacterial pathogens.</p> |                                        |                                                          |



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| <b>SY141</b>                                                                                                            | <b>14:30 – 15:30</b>                                                    | <b>Hall I</b>                                                                                     |
| <b>1-hour Symposium</b>                                                                                                 |                                                                         |                                                                                                   |
| <b>Measles in Europe – is it really under control?</b>                                                                  |                                                                         |                                                                                                   |
| <i>Chairs</i>                                                                                                           | Adam Finn (Bristol, United Kingdom),<br>Susanna Esposito (Milan, Italy) |                                                                                                   |
| <b>SY0717</b>                                                                                                           | <b>14:30</b>                                                            | <b>Recent epidemiology and outbreaks in Europe</b><br>Lucia Pastore Celentano (Stockholm, Sweden) |
| <b>SY0718</b>                                                                                                           | <b>15:00</b>                                                            | <b>What does it take to eradicate?</b><br>Natasha Crowcroft (Toronto, Canada)                     |
| <b>Co-organized with: ESCMID Vaccine Study Group (EVASG), European Centre for Disease Prevention and Control (ECDC)</b> |                                                                         |                                                                                                   |

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| <b>SY142</b>                                     | <b>14:30 – 15:30</b>                                                          | <b>Hall J</b> |
| <b>1-hour Symposium</b>                          |                                                                               |               |
| <b>Top papers in neglected tropical diseases</b> |                                                                               |               |
| <i>Chairs</i>                                    | Birgitta Evengard (Umea, Sweden),<br>Yupin Suputtamongkol (Bangkok, Thailand) |               |
| <b>SY0719 14:30</b>                              | <b>Diagnosis</b><br>Peter Chiodini (London, United Kingdom)                   |               |
| <b>SY0720 14:50</b>                              | <b>Clinical</b><br>Nasikarn Angkasekwinai (Bangkok, Thailand)                 |               |
| <b>SY0721 15:10</b>                              | <b>Epidemiology</b><br>Rogelio López-Vélez (Madrid, Spain)                    |               |

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| <b>SY143</b>                                                     | <b>14:30 – 15:30</b>                                                                                                    | <b>Hall L</b> |
| <b>1-hour Symposium</b>                                          |                                                                                                                         |               |
| <b>Discovery and exploitation of new targets for antibiotics</b> |                                                                                                                         |               |
| <i>Chairs</i>                                                    | Tanel Tenson (Tartu, Estonia),<br>Heike Broetz-Oesterheld (Tübingen, Germany)                                           |               |
| <b>SY0722 14:30</b>                                              | <b>New targets – new antibiotics in the pathway of cell-wall synthesis</b><br>Eefjan J. Breukink (Utrecht, Netherlands) |               |
| <b>SY0723 15:00</b>                                              | <b>New antibiotics – action on intracellular targets</b><br>Francoise Van Bambeke (Brussels, Belgium)                   |               |

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| <b>OS144</b>               | <b>14:30 – 15:30</b>                                                                                                                                                                                                                                                                              | <b>Hall B</b> |
| <b>1-hour Oral Session</b> |                                                                                                                                                                                                                                                                                                   |               |
| <b>News from the gut</b>   |                                                                                                                                                                                                                                                                                                   |               |
| <i>Chairs</i>              | Maria J.G.T. Vehreschild (Cologne, Germany),<br>Elaine O. Petrof (Kingston, Canada)                                                                                                                                                                                                               |               |
| <b>OS0724 14:30</b>        | <b>Comparative genomics of <i>Shigella</i> species and entero-invasive <i>Escherichia coli</i> emphasize the importance of mobile genetic element analysis</b><br>M. Van den Beld* (Bilthoven, Netherlands),<br>M. Chlebowicz, M. Ferdous, F. Reubsæet, A. Friedrich, A. Kooistra-Smid, J. Rossen |               |
| <b>OS0725 14:42</b>        | <b>One Health in practice: tracking the diversity and survival ability of STEC O157:H7 genotypes from food sources potentially affecting human transmission and disease symptoms</b><br>M. Elhadidy* (Brussels, Belgium), A. Álvarez Ordóñez, W. Elkhatab, D. Pierard, K. De Reu, M. Heyndrickx   |               |

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| <b>OS0726 14:54</b> | <b>A vintage culture technique for the detection of “emerging” enteric pathogens?</b><br>L. Cattoir* (Ghent, Belgium), A. Van der Straeten, G. Cindy, J. Van Acker, C. Verfaillie, A. Van den Abeele                                              |  |
| <b>OS0727 15:06</b> | <b>The genetic diversity of commensal <i>Escherichia coli</i> strains isolated from non-antimicrobial treated pigs varies according to age</b><br>A. Herrero* (Copenhagen, Denmark), S. Ahmed, J. Olsen                                           |  |
| <b>OS0728 15:18</b> | <b>A highly conserved complete accessory type-III <i>E. coli</i> secretion system 2 (ETT2) is present in bloodstream isolates of the ST69 lineage</b><br>S. Fox* (Glasgow, United Kingdom), C. Goswami, J. Connolly, A. Roe, A. Leanord, T. Evans |  |



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| <b>OS145</b>                                           | <b>14:30 – 15:30</b>                                                                                                                                                                                                                                                                                   | <b>Hall D</b> |
| <b>1-hour Oral Session</b>                             |                                                                                                                                                                                                                                                                                                        |               |
| <b>Challenges in antibiotic susceptibility testing</b> |                                                                                                                                                                                                                                                                                                        |               |
| <i>Chairs</i>                                          | Arnfinn Sundsfjord (Tromsø, Norway),<br>Niels Frimodt-Møller (Copenhagen, Denmark)                                                                                                                                                                                                                     |               |
| <b>OS0729 14:30</b>                                    | <b>Evaluation of vancomycin MIC creep in <i>Staphylococcus aureus</i> infections – a meta-analysis</b><br>R. Diaz* (Aveiro, Portugal), B. Gago, E. Ramalheira, V. Afreixo                                                                                                                              |               |
| <b>OS0730 14:42</b>                                    | <b>Identifying novel resistance determinants in <i>Staphylococcus aureus</i> from genome-wide association studies</b><br>S. Reuter* (Freiburg, Germany), C. Chewapreecha, J. Lees, F. Coll I Cerezo, B. Blane, A. MacGowan, N. Brown, E. Torok, J. Parkhill, S. Peacock                                |               |
| <b>OS0731 14:54</b>                                    | <b>Factors associated with <i>vanA</i>-positive vancomycin-susceptible <i>Enterococcus faecium</i> among patients with <i>E. faecium</i> bacteraemia</b><br>P. Kohler* (Toronto, Canada), A. Eshaghi, A. Plevneshi, B. Willey, K. Green, A. McGeer, S. Patel                                           |               |
| <b>OS0732 15:06</b>                                    | <b>Occurrence of <i>vanB</i> vancomycin-resistant enterococci (VRE) in a patient</b><br>J. James Peter* (Tromsø, Norway), K. Olsen, K. Hegstad                                                                                                                                                         |               |
| <b>OS0733 15:18</b>                                    | <b>Inner membrane gene <i>mgrB</i> involved in colistin resistance is an integration hotspot for insertion sequence ISL3 carried by pKpQIL plasmids in KPC-producing <i>K. pneumoniae</i></b><br>C. Giordano* (Pisa, Italy), S. Barnini, A. Gikas, M. Chlebowicz, J. Rossen, A. Friedrich, E. Bathoorn |               |

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| <b>OS146</b>                                                   | <b>14:30 – 15:30</b>                                                                                                                                                      | <b>Hall E</b> |
| <b>1-hour Oral Session</b>                                     |                                                                                                                                                                           |               |
| <b>Repeat or give high-dose? News on influenza vaccination</b> |                                                                                                                                                                           |               |
| <i>Chairs</i>                                                  | Thea Kølsen Fischer (Copenhagen, Denmark),<br>Florian Krammer (New York, United States)                                                                                   |               |
| <b>OS0734 14:30</b>                                            | <b>Is influenza vaccine effectiveness in medical risk groups negatively influenced by vaccinations in previous years?</b><br>A. Örtqvist* (Stockholm, Sweden), M. Hergens |               |



- OS0735 14:42 Immunogenicity and reactogenicity of high versus standard-dose trivalent inactivated influenza vaccine for use in healthcare workers**  
*C. Volling\* (Toronto, Canada), A. McGeer, B. Coleman, K. Katz, A. Simor, M. Muller, J. Powis, J. McElhaney*
- OS0736 14:54 Simulation study to compare the long-term effect of Japan's change from trivalent to quadrivalent influenza vaccination**  
*S. Tsuzuki\* (Sapporo, Japan), M. Schwehm, M. Eichner*
- OS0737 15:06 The reverse genetics based reassortant H5N2 vaccine virus with clade 2.3.2.1 HA protects chickens against lethal challenge with homologous 2.3.2.1 clade and heterologous 2.2 clade H5N1 viruses**  
*S. Bhat\* (Woking, United Kingdom), S. Bhatia, R. Sood, R. Khandia, A. Pateriya, V. Singh, K. S. M. Kumar, N. Kumar*

**OS147 14:30 – 15:30 Hall F**  
**1-hour Oral Session**

**Antifungal resistance and treatment**

- Chairs* *Brunella Posteraro (Rome, Italy), Jacques F. Meis (Nijmegen, Netherlands)*
- OS0738 14:30 Notably increasing trend in azole-resistant *Candida tropicalis* in China (Aug. 2009 to July 2014): drug-resistance mechanisms, molecular epidemiology and clinical azole consumption**  
*X. Fan\* (Beijing, China), M. Xiao, H. Wang, Y. Xu*
- OS0739 14:42 Unveiling the mechanistic basis underlying *Aspergillus fumigatus* 5-flucytosine resistance**  
*F. Gsaller\* (Manchester, United Kingdom), T. Furukawa, P. Carr, M. Bromley*
- OS0740 14:54 Comparison of two molecular assays concerning detection and characterization of *Aspergillus fumigatus* azole resistance and *cyp51A* mutations in clinical isolates and primary clinical samples of immunocompromised patients**  
*B. Spiess\* (Mannheim, Germany), J. Skladny, P. Postina, T. Boch, O. Cornely, P. Rath, J. Steinmann, O. Bader, A. Groll, T. Miethke, A. Dietz, N. Merker, W. Hofmann, D. Buchheidt*
- OS0741 15:06 Prevalence and characterization of azole-resistant *Aspergillus fumigatus* in German CF-patients**  
*R. Seufert\* (Essen, Germany), J. Steinmann, P. Rath*
- OS0742 15:18 Retrospective observational cohort study comparing the management and outcome of culture-positive invasive aspergillosis due to *Aspergillus fumigatus* with wildtype and non-wildtype triazole susceptibility**  
*B. Lestrade\* (Roermond, Netherlands), R. Bentvelsen, J. Van Paassen, M. Van der Beek, S. Schalekamp, E. Kuijper, W. Melchers, P. Verweij*

**OS148 14:30 – 15:30 Hall G**  
**1-hour Oral Session**

**Diagnostic approaches to bloodstream infections**

- Chairs* *Paul H.M. Savelkoul (Maastricht, Netherlands), Arjana Tambic Andrasevic (Zagreb, Croatia)*
- OS0743 14:30 Microbiological diagnostics of BLOODstream infections in Europe – an ESGBIS survey (BLOODY)**  
*E. Idelevich\* (Münster, Germany), H. Seifert, M. Sundqvist, L. Scudeller, Y. Carmeli, K. Becker*
- OS0744 14:42 Optimizing the process of blood culture collection**  
*F. Van Daalen\* (Amsterdam, Netherlands), F. Holleman, C. Visser, S. Geerlings*
- OS0745 14:54 Seeing is believing: molecular diagnosis of prosthetic valve endocarditis**  
*J. Kikhney\* (Berlin, Germany), A. Wießner, L. Kursawe, J. Hoffmann, M. Hajduczenia, A. Petrich, J. Schulze, A. Moter*
- OS0746 15:06 Clinical evaluation of next generation sequencing diagnostics of infecting agents in septic patients**  
*K. Sohn\* (Stuttgart, Germany), P. Stevens, S. Decker, C. Grumaz, S. Grumaz, K. Glanz, S. Hofer, M. Weigand, T. Brenner*
- OS0747 15:18 Distribution and clinical determinants of time-to-positivity of blood cultures in patients with neutropenia: exploration of an antibiotic stewardship opportunity**  
*E. Warreman\* (Leiden, Netherlands), M. Lambregts, M. Van der Beek, P. Von dem Borne, H. Veelken, S. Bernards, L. Visser, M. De Boer*

**OS149 14:30 – 15:30 Hall H**  
**1-hour Oral Session**

**Advances in Japanese chemotherapy**

- Chairs* *Hiroshige Mikamo (Aichi, Japan), Kazuhiro Tateda (Tokyo, Japan)*
- OS0748 14:30 Effectiveness of four kinds of neuraminidase inhibitors approved in Japan for the treatment of influenza**  
*M. Mawatari\* (Niigata, Japan), A. Hibino, I. Sato, T. Kawashima, Y. Ono, S. Hibi, J. Takasaki, T. Odagiri, Y. Shobugawa, R. Saito*
- OS0749 14:42 ME1100, arbekacin inhalation solution: old, yet new approach to combat MDR bacteria**  
*K. Kondo\* (Tokyo, Japan)*
- OS0750 14:54 Mode of action of cefiderocol, a novel siderophore cephalosporin, active against highly resistant Gram-negative bacteria including carbapenem-resistant strains of Enterobacteriaceae and non-fermenting bacteria**  
*Y. Yamano\* (Toyonaka, Japan), M. Tsuji, M. Hackel, D. Sahm, R. Echols*
- OS0751 15:06 In vitro efficacy of meropenem-cefmetazole combination therapy against NDM-producing *Escherichia coli***  
*H. Hagiya\* (Suita, Japan), Y. Sugawara, R. Kumar, N. Hara, Y. Norihisa, N. Sakamoto, D. Takeuchi, G. Kumwenda, H. Yoshida, Y. Akeda, K. Tomono*

**OS0752 15:18 Pharmacokinetic/pharmacodynamic analysis of S-033188, an influenza Cap-dependent endonuclease inhibitor, from a phase 2, randomized, double-blind, placebo-controlled study in otherwise healthy adults with seasonal influenza**  
*T. Uehara\* (Osaka, Japan), A. Watanabe, N. Hirotsu, T. Ishida, T. Ishibashi, K. Kawaguchi, C. Sato, T. Shishido*

**Co-organized with: Japanese Society of Chemotherapy**

**SY150 16:00 – 18:00 Hall A**  
**2-hour Symposium**  
**Year in Infectious Diseases**  
*Chairs Souha S. Kanj (Beirut, Lebanon), Jean-Paul Stahl (Grenoble, France)*  
**SY0753 16:00 Part I**  
*Susanna Esposito (Milan, Italy)*  
**SY0754 16:30 Part II**  
*Guy Thwaites (Ho Chi Minh City, Vietnam)*  
**SY0755 17:00 Part III**  
*Bart Jan Kullberg (Nijmegen, Netherlands)*  
**SY0756 17:30 Discussion**

**SY151 16:00 – 18:00 Hall C**  
**2-hour Symposium**  
**Deadly connections – the interplay between pathogens and the host**  
*Chairs Willem Joost Wiersinga (Amsterdam, Netherlands), TBC*  
**SY0757 16:00 The pathogen is key**  
*Annelies Zinkernagel (Zurich, Switzerland)*  
**SY0758 16:30 The inflammatory response helps *Staphylococcus aureus* persist and spread**  
*Mark Everett Shirtliff (Baltimore, United States)*  
**SY0759 17:00 Gram-negative perspectives – *Pseudomonas aeruginosa* skews an adaptive immune response to its own benefit**  
*Thomas Bjarnsholt (Copenhagen, Denmark)*  
**SY0760 17:30 A chance for treatment – immunotherapy in the prevention and treatment of chronic fungal infections**  
*Frank Van de Veerdonk (Nijmegen, Netherlands)*

**SY152 16:00 – 18:00 Hall I**  
**2-hour Symposium**  
**Explaining differences in resistance rates**  
*Chairs Robin Patel (Rochester, United States), Gunnar Kahlmeter (Växjö, Sweden)*  
**SY0761 16:00 Weather and climate**  
*David Fisman (Toronto, Canada)*

**SY0762 16:30 Economy**  
*Ramanan Laxminarayan (Washington D.C., United States)*

**SY0763 17:00 Patients**  
*Evelina Tacconelli (Tübingen, Germany)*

**SY0764 17:30 Culture**  
*Peter Collignon (Canberra, Australia)*

**Co-organized with: American Society for Microbiology (ASM)**

**SY153 16:00 – 18:00 Hall J**  
**2-hour Symposium**  
**The cutting edge in TB**  
*Chairs Mark Patrick Nicol (Cape Town, South Africa), Christoph Lange (Borstel, Germany)*  
**SY0765 16:00 Targeting tuberculosis – differences between high and low-burden countries**  
*Giovanni Battista Migliori (Geneva, Switzerland)*  
**SY0766 16:30 Vaccines in tuberculosis**  
*Helen McShane (Oxford, United Kingdom)*  
**SY0767 17:00 Diabetes and tuberculosis**  
*Reinout Van Crevel (Nijmegen, Netherlands)*  
**SY0768 17:30 Host-directed therapies in tuberculosis**  
*Jon S. Friedland (London, United Kingdom)*

**SY154 16:00 – 18:00 Hall K**  
**2-hour Symposium**  
**In vitro diagnostics for microbiology in low-resource settings – quality and regulatory issues**  
*Chairs Sebastien Quesney (Lyon, France), Elsa Tran (Montpellier, France)*  
**SY0769 16:00 Quality of in vitro diagnostics in low-resource settings – examples from the field**  
*Jan Jacobs (Antwerp, Belgium)*  
**SY0770 16:30 Quality of in vitro diagnostics – improvement through regulation and laboratory strengthening in Africa**  
*Debi Boeras (London, United Kingdom)*  
**SY0771 17:00 World Health Organization's prequalification of in vitro diagnostics programme**  
*Anita Sands (Geneva, Switzerland)*  
**SY0772 17:30 Quality of in vitro diagnostics – a patient's right**  
*Teri Roberts (Geneva, Switzerland)*

**Co-organized with: Médecins sans Frontières (MSF)**

|                                                  |                                                                                        |                                                                 |
|--------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <b>SY155</b>                                     | <b>16:00 – 18:00</b>                                                                   | <b>Hall L</b>                                                   |
| <b>2-hour Symposium</b>                          |                                                                                        |                                                                 |
| <b>Early antimicrobial drug development news</b> |                                                                                        |                                                                 |
| <i>Chairs</i>                                    | <i>Elisabet Nielsen (Uppsala, Sweden),<br/>Ursula Theuretzbacher (Vienna, Austria)</i> |                                                                 |
| <b>SY0773</b>                                    | <b>16:00</b>                                                                           | <b>Challenges of Gram-negative antibacterial drug discovery</b> |
|                                                  | <i>Neil Pearson (Philadelphia, United States)</i>                                      |                                                                 |
| <b>SY0774</b>                                    | <b>16:30</b>                                                                           | <b>Back to the roots – finding new antibiotics in nature</b>    |
|                                                  | <i>Heike Broetz-Desterhelt (Tübingen, Germany)</i>                                     |                                                                 |
| <b>SY0775</b>                                    | <b>17:00</b>                                                                           | <b>Synthetic biology in antimicrobial discovery</b>             |
|                                                  | <i>Gerry D. Wright (Hamilton, Canada)</i>                                              |                                                                 |
| <b>SY0776</b>                                    | <b>17:30</b>                                                                           | <b>CRISPR-Cas and new antimicrobials</b>                        |
|                                                  | <i>Udi Qimron (Tel Aviv, Israel)</i>                                                   |                                                                 |

|                                           |                                                                                                                              |                                                                                                                                                                                         |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OS156</b>                              | <b>16:00 – 18:00</b>                                                                                                         | <b>Hall H</b>                                                                                                                                                                           |
| <b>2-hour Oral Session</b>                |                                                                                                                              |                                                                                                                                                                                         |
| <b>Time is crucial – direct detection</b> |                                                                                                                              |                                                                                                                                                                                         |
| <i>Chairs</i>                             | <i>Athanassios Tsakris (Athens, Greece),<br/>Polona Maver Vodcar (Ljubljana, Slovenia)</i>                                   |                                                                                                                                                                                         |
| <b>OS0777</b>                             | <b>16:00</b>                                                                                                                 | <b>Rapid pathogen detection in ambiguous infections using real-time nanopore sequencing technology</b>                                                                                  |
|                                           | <i>A. Gundogdu* (Kayseri, Turkey), H. Kilic, A. Ulu Kilic,<br/>U. Nalbantoglu</i>                                            |                                                                                                                                                                                         |
| <b>OS0778</b>                             | <b>16:12</b>                                                                                                                 | <b>Detection of respiratory pathogens using a novel plasma-based next-generation sequencing assay</b>                                                                                   |
|                                           | <i>D. Hong* (Menlo Park, United States), M. Kertesz,<br/>T. Blauwkamp, C. Truong, N. Banaei</i>                              |                                                                                                                                                                                         |
| <b>OS0779</b>                             | <b>16:24</b>                                                                                                                 | <b>Automated microbial DNA isolation from clinical samples for routine broad-range real-time PCR analysis and sequence identification</b>                                               |
|                                           | <i>S. Schubert* (Munich, Germany), C. Disqué, S. Keim,<br/>C. Baussmerth</i>                                                 |                                                                                                                                                                                         |
| <b>OS0780</b>                             | <b>16:36</b>                                                                                                                 | <b>De novo prediction of trimethoprim resistance and susceptibility in <i>S. aureus</i> using alchemical free energy methods</b>                                                        |
|                                           | <i>P. Fowler* (Oxford, United Kingdom), K. Cole,<br/>N. Gordon, A. Kearns, M. Llewelyn, T. Peto, D. Crook,<br/>A. Walker</i> |                                                                                                                                                                                         |
| <b>OS0781</b>                             | <b>16:48</b>                                                                                                                 | <b>Novel approaches for the species-level identification of lactobacilli: integration of 16S rRNA gene sequencing with MALDI-TOF MS and 1H-NMR</b>                                      |
|                                           | <i>C. Foschi* (Bologna, Italy), L. Laghi, C. Parolin,<br/>B. Giordani, R. Cevenini, B. Vitali, A. Marangoni</i>              |                                                                                                                                                                                         |
| <b>OS0782</b>                             | <b>17:00</b>                                                                                                                 | <b>Liquid biopsy for infectious diseases: a novel next-generation sequencing assay to detect cell-free pathogen DNA in plasma from individuals with deep infections</b>                 |
|                                           | <i>D. Hong* (Menlo Park, United States), M. Kertesz,<br/>T. Blauwkamp, C. Truong, N. Banaei</i>                              |                                                                                                                                                                                         |
| <b>OS0783</b>                             | <b>17:12</b>                                                                                                                 | <b>Comparison of HiberGene loop-mediated isothermal amplification and enriched culture for detection of group B <i>Streptococcus</i> in recto-vaginal samples from ante-natal women</b> |
|                                           | <i>A. Curry* (Dublin, Ireland), K. Donaldson,<br/>G. Bookless, S. Knowles</i>                                                |                                                                                                                                                                                         |

|               |                                                                                                                                       |                                                                                                                                                        |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OS0784</b> | <b>17:24</b>                                                                                                                          | <b>A method for the elimination of misidentified organisms in rRNA sequence alignments for improved primer design and diagnostic assay performance</b> |
|               | <i>R. Lum* (Richmond Hill, Canada), J. Hogan, J. Liu</i>                                                                              |                                                                                                                                                        |
| <b>OS0785</b> | <b>17:36</b>                                                                                                                          | <b>Evaluation of a new platform for rapid identification and susceptibility testing of sepsis pathogens</b>                                            |
|               | <i>J. Jarvius* (Uppsala, Sweden), C. Göransson,<br/>J. Göransson, J. Morck, Y. Molin, R. Kroon,<br/>M. Klintstedt, M. Sundqvist</i>   |                                                                                                                                                        |
| <b>OS0786</b> | <b>17:48</b>                                                                                                                          | <b>Direct detection of extended-spectrum beta-lactamases from blood cultures by LC-MS/MS bottom-up proteomics</b>                                      |
|               | <i>P. Hensbergen* (Leiden, Netherlands), F. Fleurbaaij,<br/>W. Goessens, H. Van Leeuwen, M. Kraakman,<br/>S. Bernards, E. Kuijper</i> |                                                                                                                                                        |

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# Scientific Programme Overview

## Tuesday, 25 April 2017

| Hall A                | Hall B                                                                                                                                                          | Hall C                                                                                        | Hall D                                                          | Hall E                                                                                                                                                                                                  | Hall F                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
|                       | 07:45 – 08:45                                                                                                                                                   | 07:45 – 08:45                                                                                 | 07:45 – 08:45                                                   | 07:45 – 08:45                                                                                                                                                                                           | 07:45 – 08:45                                      |
|                       | ME157                                                                                                                                                           | ME158                                                                                         | ME159                                                           | ME160                                                                                                                                                                                                   | ME161                                              |
|                       | Single or combination treatment of serious <i>S. aureus</i> infections<br><br> | Information communication technology applications in international health and travel medicine | Virological tools for hepatitis C – re-treatment and resistance | Game changers in infection control – personal experiences of discoveries that have changed clinical practice<br><br> | Difficult-to-treat fungal infections (eye and CNS) |
| 09:00 – 11:00         | 09:00 – 11:00                                                                                                                                                   | 09:00 – 11:00                                                                                 | 09:00 – 11:00                                                   | 09:00 – 11:00                                                                                                                                                                                           | 09:00 – 11:00                                      |
| SY164                 | OS172                                                                                                                                                           | SY165                                                                                         | SY166                                                           | SY167                                                                                                                                                                                                   | OS173                                              |
| Clinical Grand Rounds | Treating tuberculosis in the era of drug resistance<br><br>                    | Migrant health 2.0                                                                            | Eulogy of the gut anaerobiome – running out of oxygen           | Addressing the biofilm in bone and joint infection and “aseptic” disease                                                                                                                                | Challenges in antifungal treatment                 |

### 11.00 – 11.30 Coffee Break

|                                        |                                                                |                                                                                            |                                        |  |                                                    |
|----------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------|--|----------------------------------------------------|
| 11:30 – 12:30                          | 11:30 – 12:30                                                  | 11:30 – 12:30                                                                              | 11:30 – 12:30                          |  | 11:30 – 12:30                                      |
| KN176                                  | SY178                                                          | SY179                                                                                      | OS183                                  |  | OS184                                              |
| Life and death of bacterial persisters | Obligatory vaccination of health-care workers (PRO/CON debate) | Procalcitonin – the best bacterial sepsis and infection biomarker we have (PRO/CON debate) | Clinical studies on MDR Gram-negatives |  | Parasites – so common but still so often forgotten |

### 12.30 – 13.30 Lunch Break / ePoster Mini-Oral Sessions / Paper Poster Sessions

|  |                                                     |                                     |                                                   |                                                                          |                                                                                       |
|--|-----------------------------------------------------|-------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | 13:30 – 15:30                                       | 13:30 – 15:30                       | 13:30 – 15:30                                     | 13:30 – 15:30                                                            | 13:30 – 15:30                                                                         |
|  | SY193                                               | SY194                               | OS197                                             | SY195                                                                    | OS198                                                                                 |
|  | Is aspergillosis really an opportunistic infection? | Healthcare threats in Latin America | Fruits hanging high or low? Novel vaccines update | How medical overuse drives healthcare costs and antimicrobial resistance | Changing landscape of community-acquired respiratory infections and treatment options |





## Colour Key

■ Educational Workshops, Meet the Expert Sessions 
 ■ Symposia 
 ■ Oral Sessions 
 ■ Keynote Lectures 
 ■ ePoster Presentations  
■ TAE Trainees Day 2017  
■ Integrated Symposia are not included in this book. Please refer to the Integrated Symposia and Exhibition Guide for session details.

## Sessions specifically interesting for:

IC Infection Control Practitioners 
 ID Infectious Disease Fellows 
 CM Clinical Microbiologists

| Hall G                                            | Hall H                                                     | Hall I                                                              | Hall J                                                                 | Hall K                                                                                   | Hall L                                                                             |
|---------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>07:45 – 08:45</b>                              | <b>07:45 – 08:45</b>                                       |                                                                     |                                                                        |                                                                                          |                                                                                    |
| <b>ME162</b>                                      | <b>ME163</b>                                               |                                                                     |                                                                        |                                                                                          |                                                                                    |
| Bacterial typing – what methodology should I use? | Microbiota characterization – metagenomics or culturomics? |                                                                     |                                                                        |                                                                                          |                                                                                    |
| <b>09:00 – 11:00</b>                              | <b>09:00 – 11:00</b>                                       | <b>09:00 – 11:00</b>                                                | <b>09:00 – 11:00</b>                                                   | <b>09:00 – 11:00</b>                                                                     | <b>09:00 – 11:00</b>                                                               |
| <b>OS174</b>                                      | <b>OS175</b>                                               | <b>SY168</b>                                                        | <b>SY169</b>                                                           | <b>SY170</b>                                                                             | <b>SY171</b>                                                                       |
| Let's diagnose parasites                          | Origin, dissemination and impact of <i>mcr</i> genes       | Worldwide outbreak linked to heater-cooler units in cardiac surgery | Polymyxin resistance – current situation and lessons for optimized use | The <i>in vitro</i> susceptibility testing to antifungals – a multidisciplinary approach | Metagenomics in the diagnostic laboratory                                          |
|                                                   |                                                            |                                                                     |                                                                        |                                                                                          | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CM</span> |

## 11.00 – 11.30 Coffee Break

| <b>11:30 – 12:30</b>                                                 | <b>11:30 – 12:30</b> | <b>11:30 – 12:30</b>           | <b>11:30 – 12:30</b>                                                               | <b>11:30 – 12:30</b>              | <b>11:30 – 12:30</b>                                                               |
|----------------------------------------------------------------------|----------------------|--------------------------------|------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------|
| <b>OS185</b>                                                         | <b>OS186</b>         | <b>KN177</b>                   | <b>SY180</b>                                                                       | <b>SY181</b>                      | <b>SY182</b>                                                                       |
| Immunity and immunogenetics of infections in immunocompromised hosts | Zoonosis update      | The hepatitis B virus receptor | Revision of clinical breakpoints and implications for clinical practice            | Young Investigator Award Lectures | Novel techniques for targeted imaging of bacterial and fungal infection            |
|                                                                      |                      |                                | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CM</span> |                                   | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">ID</span> |

## 12.30 – 13.30 Lunch Break / ePoster Mini-Oral Sessions / Paper Poster Sessions

|  | <b>13:30 – 15:30</b>                                     | <b>13:30 – 15:30</b>                                   | <b>13:30 – 15:30</b>                                                                             | <b>13:30 – 15:30</b>                                              | <b>13:30 – 15:30</b>                                          |
|--|----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------|
|  | <b>OS199</b>                                             | <b>OS200</b>                                           | <b>SY196</b>                                                                                     | <b>OS201</b>                                                      | <b>OS202</b>                                                  |
|  | One health perspective on MDR Gram-positives: VRE & MRSA | Respiratory viruses: diagnosis, management and outcome | Advancements in microbiota-based therapeutics in prevention and treatment of infectious diseases | PK/PD: what you need to learn for new and old-revived antibiotics | MALDI-TOF – diagnostics for the micro lab in the 21st century |

# Scientific Programme

## Tuesday, 25 April 2017



**ME157 07:45 – 08:45 Hall B**  
**Meet-the-Expert Session**

**Single or combination treatment of serious *S. aureus* infections**

Experts

**ME0787** Alex Soriano (Barcelona, Spain)

**ME0788** Siegbert Rieg (Freiburg, Germany)

**ME158 07:45 – 08:45 Hall C**  
**Meet-the-Expert Session**

**Information communication technology applications in international health and travel medicine**

Experts

**ME0789** TBC

**ME0790** Sarah E. Kohl (Bridgeville, United States)

**ME159 07:45 – 08:45 Hall D**  
**Meet-the-Expert Session**

**Virological tools for hepatitis C – re-treatment and resistance**

Experts

**ME0791** William Irving (Nottingham, United Kingdom)

**ME0792** Joop E. Arends (Utrecht, Netherlands)

**Co-organized with: ESCMID Study Group for Viral Hepatitis (ESGVH)**



**ME160 07:45 – 08:45 Hall E**  
**Meet-the-Expert Session**

**Game changers in infection control – personal experiences of discoveries that have changed clinical practice**

Experts

**ME0793** Jan A.J.W. Kluytmans (Breda, Netherlands)

**ME0794** Lindsay E. Nicolle (Winnipeg, Canada)

**Co-organized with: Dutch Society of Medical Microbiology (NVMM)**

**ME161 07:45 – 08:45 Hall F**  
**Meet-the-Expert Session**

**Difficult-to-treat fungal infections (eye and CNS)**

Experts

**ME0795** TBC

**ME0796** Stefan Schwartz (Berlin, Germany)

**Co-organized with: ESCMID Fungal Infection Study Group (EFISG), ESCMID Study Group for Infectious Diseases of the Brain (ESGIB)**

**ME162 07:45 – 08:45 Hall G**  
**Meet-the-Expert Session**

**Bacterial typing – what methodology should I use?**

Experts

**ME0797** Frederic Laurent (Lyon, France)

**ME0798** Luisa Maria Vieira Peixe (Porto, Portugal)

**Co-organized with: ESCMID Study Group for Epidemiological Markers (ESGEM), ESCMID Study Group for Staphylococci and Staphylococcal Diseases (ESGS)**

**ME163 07:45 – 08:45 Hall H**  
**Meet-the-Expert Session**

**Microbiota characterization – metagenomics or culturomics?**

Experts

**ME0799** Alan Walker (Aberdeen, United Kingdom)

**ME0800** Paul Ross (Cork, Ireland)

**SY164 09:00 – 11:00 Hall A**  
**2-hour Symposium**

**Clinical Grand Rounds**

**Moderator** Robert C. Read (Southampton, United Kingdom)

**Experts** Nicholas John Beeching (Liverpool, United Kingdom), Mical Paul (Haifa, Israel), Monica Slavin (Melbourne, Australia), Florian Thalhammer (Vienna, Austria), Henry F. Chambers (San Francisco, United States), Shiranee Sriskandan (London, United Kingdom)

**SY0801 09:00 Case 1**

Fatima Adhi (New York, United States)

**SY0802 09:15 Case 2**

Helena Biasizzo (Postojna, Slovenia)

**SY0803 09:30 Case 3**

Rebecca Houghton (Portsmouth, United Kingdom)

**SY0804 09:45 Case 4**

Deeksha Jandhyala (Houston, United States)

**SY0805 10:00 Case 5**

Maria Paniagua Garcia (Seville, Spain)

**SY0806 10:15 Case 6**

Pedro Puerta (Barcelona, Spain)

**SY0807 10:30 Case 7**

Tiziana Tieghi (Rome, Italy)

**Co-organized with: Infectious Diseases Society of America (IDSA)**

**SY165 09:00 – 11:00 Hall C**  
**2-hour Symposium**

**Migrant health 2.0**

*Chairs* Jon S. Friedland (London, United Kingdom),  
 Francesco Castelli (Brescia, Italy)

**SY0808 09:00 Health and social intervention for vulnerable migrants in Europe**

*Roumyana Petrova-Benedict (Brussels, Belgium)*

**SY0809 09:30 Screening and healthcare organization in refugee camp settings – lessons for the future**

*Sotirios Tsiodras (Athens, Greece)*

**SY0810 10:00 More or less screening for infectious diseases in new and settled migrants?**

*Manuel Carballo (Geneva, Switzerland)*

**SY0811 10:30 Priorities in vaccination programmes for migrants**  
*Rana Hajjeh (Cairo, Egypt)*

**Co-organized with: ESCMID Study Group for Infections in Travellers and Migrants (ESGITM)**

**SY166 09:00 – 11:00 Hall D**  
**2-hour Symposium**

**Eulogy of the gut anaerobiome – running out of oxygen**

*Chairs* Arne C. Rodloff (Leipzig, Germany),  
 Nurver Ulger Toprak (Istanbul, Turkey)

**SY0812 09:00 Use of mass spectrometry for the identification of anaerobic bacteria, change anaerobic bacteriology?**

*Alida Veloo (Groningen, Netherlands)*

**SY0813 09:30 Multi-drug resistance among anaerobes**  
*Elisabeth Nagy (Szeged, Hungary)*

**SY0814 10:00 Gut anaerobes in health and disease**  
*Ulrik Stenz Justesen (Odense, Denmark)*

**SY0815 10:30 Mobile genetic elements in anaerobes**  
*Karen Scott (Aberdeen, United Kingdom)*

**Co-organized with: ESCMID Study Group for Anaerobic Infections (ESGAI)**

**SY167 09:00 – 11:00 Hall E**  
**2-hour Symposium**

**Addressing the biofilm in bone and joint infection and “aseptic” disease**

*Chairs* Thomas Bjarnsholt (Copenhagen, Denmark),  
 Antonios Papadopoulos (Athens, Greece)

**SY0816 09:00 Biofilms and their role in culture-negative infections**

*Trine Rolighed Thomsen (Aarhus, Denmark)*

**SY0817 09:30 Physiological adaptation in biofilms – the Achilles’ heel of attached cells?**  
*Tom Coenye (Ghent, Belgium)*

**SY0818 10:00 Rapid diagnosis and prolonged antimicrobial therapy for the elimination of biofilm infections**  
*Alex Soriano (Barcelona, Spain)*

**SY0819 10:30 Hardware loosening, non unions, and treatment in orthopaedic infections – addressing the biofilm issue**

*Heinz Winkler (Vienna, Austria)*

**Co-organized with: ESCMID Study Group for Biofilms (ESGB), ESCMID Study Group for Implant-associated Infections (ESGAI)**

**SY168 09:00 – 11:00 Hall I**  
**2-hour Symposium**

**Worldwide outbreak linked to heater-cooler units in cardiac surgery**

*Chairs* Eli Perencevich (Iowa City, United States),  
 Nick Phin (London, United Kingdom)

**SY0820 09:00 Epidemiology of heater-cooler-linked outbreaks**  
*Daniel J. Diekema (Iowa City, United States)*

**SY0821 09:30 Clinical management of *Mycobacterium chimaera* infection**

*Barbara Hasse (Zurich, Switzerland)*

**SY0822 10:00 Typing *Mycobacterium chimaera* isolates from patients and heater-cooler units**

*Stefan Niemann (Borstel, Germany)*

**SY0823 10:30 Heater-cooler units as a source of other pathogens**

*Ed P.F. Ijzerman (Haarlem, Netherlands)*

**SY169 09:00 – 11:00 Hall J**  
**2-hour Symposium**

**Polymyxin resistance – current situation and lessons for optimized use**

*Chairs* Jean-Marc Rolain (Marseille, France),  
 Ana Gales (São Paulo, Brazil)

**SY0824 09:00 Epidemiology of colistin resistance**  
*Po-Ren Hsueh (Taipei, Taiwan)*

**SY0825 09:30 Mechanisms of colistin resistance**  
*Laurent Poirel (Fribourg, Switzerland)*

**SY0826 10:00 Colistin use in animals – can it be banned?**  
*Dik Johan Mevius (Lelystad, Netherlands)*

**SY0827 10:30 Colistin or polymyxin B for human medicine?**  
*Keith S. Kaye (Ann Arbor, United States)*

**Co-organized with: ESCMID Study Group for Antimicrobial Resistance Surveillance (ESGARS)**

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| <b>SY170</b>                                                                                    | <b>09:00 – 11:00</b>                                                                                        | <b>Hall K</b> |
| <b>2-hour Symposium</b>                                                                         |                                                                                                             |               |
| <b>The <i>in vitro</i> susceptibility testing to antifungals – a multidisciplinary approach</b> |                                                                                                             |               |
| <i>Chairs</i>                                                                                   | Joseph Meletiadis (Athens, Greece),<br>Sevtap Arikian-Akdogli (Ankara, Turkey)                              |               |
| <b>SY0828 09:00</b>                                                                             | <b>Resistance mechanisms to antifungals</b><br>David Perlin (Newark, United States)                         |               |
| <b>SY0829 09:30</b>                                                                             | <b>EUCAST or commercial methods – which method to use?</b><br>Maiken Cavling Arendrup (Copenhagen, Denmark) |               |
| <b>SY0830 10:00</b>                                                                             | <b>New approaches for susceptibility testing</b><br>Maurizio Sanguinetti (Rome, Italy)                      |               |
| <b>SY0831 10:30</b>                                                                             | <b>Are the susceptibility data useful for the clinician?</b><br>Patricia Munoz (Madrid, Spain)              |               |



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| <b>SY171</b>                                     | <b>09:00 – 11:00</b>                                                                                        | <b>Hall L</b> |
| <b>2-hour Symposium</b>                          |                                                                                                             |               |
| <b>Metagenomics in the diagnostic laboratory</b> |                                                                                                             |               |
| <i>Chairs</i>                                    | Adrian Egli (Basel, Switzerland),<br>Amy Mathers (Charlottesville, United States)                           |               |
| <b>SY0832 09:00</b>                              | <b>Metagenomic analysis in routine practice</b><br>Robert Schlager (Salt Lake City, United States)          |               |
| <b>SY0833 09:30</b>                              | <b>Deep sequencing for resistome analysis</b><br>Christian G. Giske (Stockholm, Sweden)                     |               |
| <b>SY0834 10:00</b>                              | <b>Application of metagenomics for bloodstream infections</b><br>John W. A. Rossen (Groningen, Netherlands) |               |
| <b>SY0835 10:30</b>                              | <b>Metagenomics for respiratory tract infections</b><br>Nicole Fischer (Hamburg, Germany)                   |               |



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| <b>OS172</b>                                               | <b>09:00 – 11:00</b>                                                                                                                                                                                                                                                                                            | <b>Hall B</b> |
| <b>2-hour Oral Session</b>                                 |                                                                                                                                                                                                                                                                                                                 |               |
| <b>Treating tuberculosis in the era of drug-resistance</b> |                                                                                                                                                                                                                                                                                                                 |               |
| <i>Chairs</i>                                              | Ben Marais (Sydney, Australia),<br>Christoph Lange (Borstel, Germany)                                                                                                                                                                                                                                           |               |
| <b>OS0836 09:00</b>                                        | <b>Genome-wide analysis of <i>Mycobacterium tuberculosis</i> strains isolated from patients with extrapulmonary tuberculosis</b><br>E. Chernyaeva* (St. Petersburg, Russian Federation), M. Ritkevich, A. Yurchenko,<br>K. Krashennikova, A. Vyazovaya, I. Mokrousov,<br>N. Solovieva, V. Zhuravlev, S. O'Brien |               |
| <b>OS0837 09:12</b>                                        | <b>Global transcriptional analyses of <i>Mycobacterium tuberculosis</i> using old and new drugs</b><br>A. Van den Bossche* (Brussels, Belgium),<br>P. Ceyssens, R. Bhattacharyya, D. Hung, V. Mathys                                                                                                            |               |
| <b>OS0838 09:24</b>                                        | <b>Two decades of MDR-TB in Sweden – a cohort study</b><br>L. Davies Forsman* (Stockholm, Sweden),<br>J. Jonsson, C. Wagrell, E. Chrysanthou, C. Giske,<br>R. Groenheit, S. Hoffner, M. Mansjö, T. Schön,<br>J. Werngren, M. Wijkander, J. Bruchfeld                                                            |               |

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| <b>OS0839 09:36</b> | <b>Missed opportunities for detecting MDR-TB in South-Africa. Increasing epidemiological importance of a rifampicin resistance mutation undetected by commercial molecular assays</b><br>E. Andre* (Brussels, Belgium), N. Makhado,<br>L. Goeminne, B. De Jong                           |  |
| <b>OS0840 09:48</b> | <b>SMARt (Small Molecule Aborting Resistance) in combination with ethionamide resets innate and acquired ethionamide resistance in <i>Mycobacterium tuberculosis</i></b><br>S. Lociu* (Basel, Switzerland), A. Baulard,<br>B. Deprez, M. Gitzinger, C. Kemmer, V. Trebosc,<br>N. Willand |  |
| <b>OS0841 10:00</b> | <b>Vitamin D supplementation versus placebo for treatment of pulmonary tuberculosis: a meta-analysis</b><br>L. Catedral* (Manila, Philippines), L. Leones,<br>R. Berba, J. Magno, D. Bayani                                                                                              |  |
| <b>OS0842 10:12</b> | <b>Pharmacokinetics of rifampicin in adults with pulmonary tuberculosis and healthy volunteers; a meta-analysis</b><br>K. Stott* (Liverpool, United Kingdom), H. Pertinez,<br>G. Davies                                                                                                  |  |
| <b>OS0843 10:24</b> | <b>Evaluation of high-dose rifapentine plus clofazimine in the first-line regimen for tuberculosis in the mouse model of chemotherapy</b><br>V. Saini* (Baltimore, United States), N. Ammerman,<br>S. Jain, E. Nuermberger, J. Grosset                                                   |  |
| <b>OS0844 10:36</b> | <b>Identification and validation of mode of action of chalcones as anti-tubercular compounds</b><br>B. Anagani* (Hatfield, United Kingdom), J. Cox,<br>J. Bassin, C. Benham, G. Besra, M. Goyal                                                                                          |  |
| <b>OS0845 10:48</b> | <b>Synthesis, antimycobacterial activity evaluation and mode of action of series of novel diketones</b><br>J. Singh* (Hatfield, United Kingdom), M. Goyal,<br>S. Rossiter, J. Bassin                                                                                                     |  |

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| <b>OS173</b>                              | <b>09:00 – 11:00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Hall F</b> |
| <b>2-hour Oral Session</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |
| <b>Challenges in antifungal treatment</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |
| <i>Chairs</i>                             | Andreas H. Groll (Münster, Germany),<br>Ana Alastruey-Izquierdo (Majadahonda, Spain)                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
| <b>OS0846 09:00</b>                       | <b>A prospective, phase 2, multicentre, open-label, randomized, comparative study to estimate the safety, tolerability, pharmacokinetics, and efficacy of oral SCY-078 vs standard-of-care following initial intravenous echinocandin therapy in the treatment of invasive candidiasis (including candidaemia) in hospitalized non-neutropenic adults (mycoses study group 010)</b><br>P. Pappas* (Birmingham, United States), J. Pullman,<br>G. Thompson, A. Spec, E. Tobin, J. Vazquez,<br>D. Angulo Gonzalez, S. Helou |               |

**OS0847 09:12 *In vitro* activity of F901318 and comparators against clinical isolates of cryptic species of *Aspergillus***

A. Alastruey-Izquierdo\* (Majadahonda, Spain),  
O. Rivero-Menéndez, L. Beltrán-Sangüesa

**OS0848 09:24 Pharmacodynamics of F901318 against *Aspergillus fumigatus* in a rabbit model of invasive pulmonary aspergillosis (IPA)**

W. Hope\* (Liverpool, United Kingdom), L. McEntee,  
A. Johnson, N. Farrington, S. Whalley, A. Santoyo-Castelazo, M. Birch, D. Law, T. Kennedy, M. Heep,  
J. Rex

**OS0849 09:36 Isavuconazole IV to oral step-down therapy versus caspofungin followed by voriconazole oral step-down therapy in the treatment of candidaemia and invasive candidiasis (IC): the ACTIVE trial**

G. Thompson\* (Davis, United States), G. Alangaden,  
R. Santos, C. Viscoli, L. Kovanda, C. Lademacher,  
R. Croos-Dabrera, M. Engelhardt, C. Escrig,  
B. Kullberg

**OS0850 09:48 A new *in vitro* endpoint of anidulafungin activity against *Aspergillus fumigatus* correlates with *in vivo* outcome**

M. Siopi\* (Athens, Greece), J. Mouton, S. Pournaras,  
J. Meletiadis

**OS0851 10:00 Comparison of treatment appropriateness defined by previous, current CLSI and EUCAST breakpoints and their association with mortality in candidaemia**

N. Ghanem-Zoubi\* (Haifa, Israel), D. Zorbavel,  
J. Khoury, Y. Geffen, R. Bitterman, M. Paul

**OS0852 10:12 Management and outcome of culture-positive invasive aspergillosis in an area with high prevalence of voriconazole resistance**

R. Bentvelsen\* (Leiden, Netherlands), P. Lestrade,  
J. Van Paassen, D. Scoop, P. Von dem Borne,  
W. Melchers, P. Verweij, M. Van der Beek, E. Kuijper

**OS0853 10:24 Audit of voriconazole therapeutic drug monitoring in an English hospital after the implementation of electronic prescribing (EPIC)**

D. Enoch\* (Cambridge, United Kingdom), S. Trimble,  
C. Micallef, R. Santos, M. Leamon

**OS0854 10:36 Isavuconazole prophylaxis among solid organ transplant recipients: effectiveness and drug interaction with tacrolimus**

M. Nguyen\* (Pittsburgh, United States),  
R. Rivosecchi, C. Clancy, R. Shields, B. Falcione,  
A. Humar

**OS0855 10:48 Antifungal prophylaxis in AML patients receiving intensive induction chemotherapy. A prospective observational study from the Acute Leukaemia French Association (ALFA) group**

M. Michallet\* (Pierre Benite, France), M. Sobh,  
A. Deloire, E. Raffoux, S. Debotton, D. Caillot,  
O. Reman, S. Girault, C. Berthon, F. Huguet, S. Lepretre,  
T. Leguay, S. Castaigne, B. Royer, C. Pautas,  
J. Malfuson, J. Fernandes, H. Dombret, X. Thomas,  
A. Bergeron

**OS174 09:00 – 11:00 Hall G  
2-hour Oral Session**

**Let's diagnose parasites**

Chairs Miriam José Alvarez Martinez (Barcelona, Spain),  
Eskild Petersen (Aarhus, Denmark)

**OS0856 09:00 Imported malaria from Africa with false negative rapid diagnostic test for *P. falciparum* due to deletion of the histidine-rich protein 2 gene**

A. Bart\* (Amsterdam, Netherlands), N. Verhaar,  
J. Van Hattem, M. Van Vugt, G. De Bree, T. Van Gool

**OS0857 09:12 The illumigene® Malaria and illumigene® Malaria Plus assays: new and highly effective screening tools for malaria in western laboratory settings**

T. Van Gool\* (Amsterdam, Netherlands), N. Verhaar,  
E. Wentink, J. Van Hellemond, R. Koelewijn,  
M. Van Vugt, P. Van Genderen, B. De Jongh, R. Oude  
Elferink, L. Möller, A. Almoujahid, J. Oudbier,  
B. Werdmuller, T. Mank, J. Cohen Stuart, T. Hekker,  
B. Mahadeb, P. Nguyen Vo Thanh, V. Olivier, A. Bart

**OS0858 09:24 A robust host-based gene expression diagnostic for malaria versus other infectious diseases**

P. Khatri\* (Stanford, United States), A. Rao,  
T. Sweeney

**OS0859 09:36 Diagnosing imported filarial infections: 25 years of experience at the Hospital for Tropical Diseases, London**

Z. Dhesi\* (London, United Kingdom), M. Gonzalez  
Sanz, M. Armstrong, M. Brown, C. Whitty,  
D. Armstrong-James

**OS0860 09:48 The role of interferon-gamma release assay in the diagnosis of toxoplasmosis in pregnancy**

V. Meroni\* (Pavia, Italy), F. Genco, L. Scudeller,  
M. Prestia, C. Salvottini

**OS0861 10:00 Multilocus genotyping of *Giardia duodenalis* reveals human-to-human transmission pattern in Tehran, Iran**

E. Razmjou\* (Tehran, Iran), S. Hashemi-Hafshejani,  
A. Meamar, L. Akhlaghi

**OS0862 10:12 A T-cell assay based on Antigen B multi-epitope peptides for the diagnosis of cystic echinococcosis**

L. Petrone\* (Rome, Italy), V. Vanini, M. Amicosante,  
A. Corpolongo, E. Busi Rizzi, A. Ludovisi, G. Ippolito,  
E. Pozio, A. Teggi, D. Goletti

**OS0863 10:24 Multicentre evaluation of a new real-time PCR assay for *Cryptosporidium* spp.**

L. Favennec\* (Rouen, France), R. Razakandrainibe,  
F. Emilie, C. Nourrisson, S. Valot, E. Dutoit, P. Poirier,  
I. Accoceberry, A. Patrice, A. Angoulvant, B. Ghania,  
B. Antoine, P. Delaunay, M. Rabodonirina, S. Le Gal,  
N. Kapel, F. Dalle

**OS0864 10:36 Sensitive and rapid molecular diagnostics for *Leishmania***

Y. Shemer-Avni\* (Beer Sheva, Israel), D. Sagi,  
A. Berkowitz, S. Codish, V. Novack, A. Rashti



**OS0865 10:48 Molecular characterization of *Trypanosoma cruzi* in four Chagas disease patients who acquired the infection by different routes of transmission**  
Z. Moure\* (Barcelona, Spain), E. Sulleiro, M. Flores-Chavez

**OS175 09:00 – 11:00 Hall H**  
**2-hour Oral Session**

**Origin, dissemination and impact of *mcr* genes**

**Chairs** Patricia Antunes (Porto, Portugal), Bijie Hu (Shanghai, China)

**OS0866 09:00 MCR-1 dispersion in clinically relevant clones of multidrug-resistant and copper-tolerant *Salmonella* from Portugal**

J. Campos\* (Porto, Portugal), L. Cristino, S. Ribeiro, J. Cordeiro Melro Mourão, P. Antunes, L. Peixe

**OS0867 09:12 Phylogeny of *Salmonella* Paratyphi B variant Java (ST-28) harbouring *mcr*-1**

M. Borowiak\* (Berlin, Germany), J. Fischer, B. Baumann, E. Junker, I. Szabo, B. Malorny

**OS0868 09:24 Genomic landscape of the new colistin resistance gene *mcr*-1 in Germany**

L. Falgenhauer\* (Giessen, Germany), S. Waezsada, Y. Yao, K. Gwozdziński, H. Ghosh, B. Bunk, C. Spröer, M. Fritzenwanker, J. Schmiedel, N. Roschanski, U. Rösler, A. Irrgang, A. Käsbohrer, R. Bauerfeind, A. Schiffmann, G. Michael, S. Schwarz, M. Kaase, C. Imirzalioglu, T. Chakraborty

**OS0869 09:36 Co-occurrence of extended spectrum beta-lactamase genes and *mcr*-1 gene in strains of *Escherichia coli* isolated from clinical cases of bovine mastitis in Greece**

G. Filioussis\* (Thessaloniki, Greece), G. Christodouloupolos, M. Adamopoulou, A. Tzivara, S. Kritas

**OS0870 09:48 Heterogeneous location of the *mcr*-1 gene in colistin-resistant *Escherichia coli* strains from humans and chicken meat**

V. Dona\* (Bern, Switzerland), O. Bernasconi, V. Perreten, A. Endimiani

**OS0871 10:00 Genetic integration of colistin resistance *mcr*-1 gene in Enterobacteriaceae from human and animal samples from different countries**

L. Hadjadj\* (Marseille, France), S. Diene, J. Rolain

**OS0872 10:12 Whole-genome sequencing of *Escherichia coli* bearing *mcr*-1 from sewage water**

J. Delgado Blas\* (Madrid, Spain), C. Martinez Ovejero, W. Calero-Caceres, F. De la Cruz, M. Garcillan, I. Cuesta de la Plaza, M. Maite, B. Gonzalez-Zorn

**OS0873 10:24 *Escherichia coli* clinical isolates harbouring *mcr*-1 and *mcr*-1.3 genes recovered from a university hospital in Buenos Aires, Argentina**

M. Dabos\* (Le Kremlin-Bicêtre, France), M. Nastro, A. Famiglietti, R. Bonnin, H. Rodriguez, L. Dortet, T. Naas

**OS0874 10:36 *mcr*-1 and *mcr*-2 variant genes identified in *Moraxella* spp. isolated from pigs**

M. Anjum\* (Addlestone, United Kingdom), M. Abuoun, E. Stubberfield, J. Nunez-Garcia, N. Duggett, L. Dormer, D. Crook, R. Smith

**OS0875 10:48 Comprehensive resistome analysis reveals the prevalence of *bla*NDM and *mcr*-1 in Chinese poultry production**

W. Yang\* (Beijing, China), R. Zhang, Z. Wu, S. Schwarz, Q. Zhang, T. Walsh, J. Shen

**KN176 11:30 – 12:30 Hall A**  
**Keynote Lecture**

**Life and death of bacterial persisters**

**Chair** Françoise Van Bambeke (Brussels, Belgium)

**KN0876 11:30 Sophie Helaine**  
(London, United Kingdom)



Persisters are non-dividing bacteria that survive antibiotic treatment without developing resistance. There are thought to play a key role in recurrence of infection. Their eradication is complex. An in-depth understanding of the mechanism leading to their formation is thus needed in order to propose appropriate therapeutic strategies to eliminate them. Aim: to review the current knowledge on formation of persisters, including the experimental systems that allow to evidence them, and discuss the strategies to eradicate them. The proposed speaker has top-level publications on the topic and has developed elegant experimental approaches that may have a wide range of applications in microbiology, hence the broad interest of this lecture.

**KN177 11:30 – 12:30 Hall I**  
**Keynote Lecture**

**The hepatitis B virus receptor**

**Chair** Hans H. Hirsch (Basel, Switzerland)

**KN0877 11:30 Wenhui Li**  
(Beijing, China)



HBV affects 240 million people worldwide. Recently, it has been discovered that the virus invades the human liver through a liver bile acid transporter – sodium taurocholate cotransporting polypeptide (NTCP). NTCP serves as the key cellular receptor for HBV and its satellite, the hepatitis D virus (HDV). This finding has significantly advanced our understanding on the tissue tropism, species specificity and infection mechanisms of HBV and HDV. The finding also provides a candidate intervention target, and has helped establish new HBV/HDV infection platforms for studying HBV biology, as well as developing new treatments against related diseases.

**SY178 11:30 – 12:30 Hall B**  
1-hour Symposium

**Obligatory vaccination of health-care workers (PRO/CON debate)**

*Chairs* Pietro Luigi Lopalco (Pisa, Sweden),  
TBC

**SY0878 11:30 Pros**

*Susanna Esposito (Milan, Italy)*

**SY0879 12:00 Cons**

*Hanna M. Nohynek (Helsinki, Finland)*

**Co-organized with: ESCMID Vaccine Study Group (EVASG), World Association for Infectious Diseases and Immunological Disorders (WAIidid)**

**SY179 11:30 – 12:30 Hall C**  
1-hour Symposium

**Procalcitonin – the best bacterial sepsis and infection biomarker we have (PRO/CON debate)**

*Chairs* Diamantis Kofteridis (Heraklion, Greece),  
Jordi Rello (Barcelona, Spain)

**SY0880 11:30 Pro**

*Evelien de Jong (Amsterdam, Netherlands)*

**SY0881 12:00 Con**

*Jens-Ulrik Jensen (Copenhagen, Denmark)*

**Co-organized with: ESCMID Study Group for Bloodstream Infections and Sepsis (ESGBIS)**



**SY180 11:30 – 12:30 Hall J**  
1-hour Symposium

**Revision of clinical breakpoints and implications for clinical practice**

*Chairs* Lena Friberg (Uppsala, Sweden),  
Paul M. Tulkens (Brussels, Belgium)

**SY0882 11:30 Aminoglycosides**

*Anouk Muller (The Hague, Netherlands)*

**SY0883 12:00 Polymyxins**

*Roger L. Nation (Melbourne, Australia)*

**Co-organized with: European Committee on Antimicrobial Susceptibility Testing (EUCAST), ESCMID PK/PD of Anti-Infectives Study Group (EPASG)**

**SY181 11:30 – 12:30 Hall K**  
1-hour Symposium

**Young Investigator Award Lectures**

*Chair* Annelies Zinkernagel (Zurich, Switzerland)

**SY0884 11:30 Antimicrobial stewardship: think globally and interdisciplinarily**

*Céline Pulcini (Nancy, France)*

**SY0885 11:50 Tracking the source of *Clostridium difficile* infection**  
*David Eyre (Oxford, United Kingdom)*

**SY0886 12:10 Predicting post-transplant infection: to boldly go where no graft has gone before**  
*Mario Fernandez Ruiz (Madrid, Spain)*



**SY182 11:30 – 12:30 Hall L**  
1-hour Symposium

**Novel techniques for targeted imaging of bacterial and fungal infection**

*Chairs* Xiaojun Ma (Beijing, China),  
Thais Guimaraes (São Paulo, Brazil)

**SY0887 11:30 Targeted imaging of bacterial infections**

*Marleen van Oosten (Groningen, Netherlands)*

**SY0888 12:00 Targeted imaging of invasive aspergillosis**

*Christopher Thornton (Exeter, United Kingdom)*

**OS183 11:30 – 12:30 Hall D**  
1-hour Oral Session

**Clinical studies on MDR Gram-negatives**

*Chairs* Luis Eduardo Lopez-Cortes (Seville, Spain),  
Robert A. Bonomo (Cleveland, United States)

**OS0889 11:30 The impact of antimicrobial resistance on clinical outcomes: results of the Italian SPIN-UTI network**  
*A. Agodi\* (Catania, Italy), F. Auxilia, M. Barchitta, S. Brusaferro, M. D'Errico, M. Montagna, C. Pasquarella, S. Tardivo, I. Mura, G. Stl*

**OS0890 11:42 Predictors of mortality in infections caused by non-carbapenemase-producing carbapenem-resistant *Klebsiella pneumoniae***  
*C. Chuang\* (Taipei, Taiwan), C. Su, Y. Lin, Y. Chuang, L. Siu, C. Fung*

**OS0891 11:54 Prolonged carriage of extended-spectrum beta-lactamase and pAmpC beta-lactamase-producing *Escherichia coli* and *Klebsiella pneumoniae* in humans: molecular characteristics and risk factors**  
*E. Van Duijkeren\* (Bilthoven, Netherlands), A. Lotterman, L. Wielders, C. Maassen, S. De Greeff*

**OS0892 12:06 Clearance of carbapenemase-producing Enterobacteriaceae (CPE) carriage: NDM-1 versus KPC CPE**  
*L. Young-ju\* (Songpa-Gu, South Korea), M. Kim, H. Sung, H. Park, J. Lee, S. Kwak, M. Hong, S. Kim, S. Park, H. Kim, H. Choi, K. Kim, H. Yang, J. Joo, H. Choi, J. Jeong, S. Choi*

**OS0893 12:18 Does frontline use of tigecycline versus meropenem-based regimens for intra-abdominal infection reduce the risk for carbapenem-resistant *Klebsiella pneumoniae* colonization or *Clostridium difficile* infection?**  
*M. Bartoletti\* (Bologna, Italy), S. Tedeschi, R. Pascale, A. Maraolo, G. Palmiero, R. Luigi, F. Tumietto, S. Ambretti, F. Cristini, R. Lewis, M. Giannella, P. Viale*

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| <b>OS184</b>                                                                | <b>11:30 – 12:30</b>                                                                                                                                                                              | <b>Hall F</b> |
| <b>1-hour Oral Session</b>                                                  |                                                                                                                                                                                                   |               |
| <b>Parasites – so common but still so often forgotten</b>                   |                                                                                                                                                                                                   |               |
| <i>Chairs</i>                                                               | Annetta Zintl (Dublin, Ireland),<br>Anna Beltrame (Negrar, Italy)                                                                                                                                 |               |
| <b>OS0894 11:30</b>                                                         | <b>Taking action to increase the public knowledge and epidemiological data on neglected infectious diseases: experience from the HERACLES project in Romania</b>                                  |               |
|                                                                             | I. Popa* (Bucharest, Romania), C. Cretu, D. Janta, G. Popa, C. Popa, F. Tamarozzi, M. Petrutescu, B. Mastalier, P. Mihailescu, S. Gheorghe, M. Preda, A. Casulli                                  |               |
| <b>OS0895 11:42</b>                                                         | <b><i>Leishmania infantum</i> cryptic infection in immunosuppressed rheumatologic patients and healthy controls from northern Italy: epidemiological variables that can affect infection risk</b> |               |
|                                                                             | M. Maritati* (Ferrara, Italy), A. Trentini, G. Michel, G. Rugna, S. Hanau, M. Govoni, S. Bonazza, T. Bellini, S. Almugadam, P. Marty, C. Contini                                                  |               |
| <b>OS0896 11:54</b>                                                         | <b>Prevalence of hookworm in a rural community in the northwestern Ethiopia</b>                                                                                                                   |               |
|                                                                             | A. Amor* (Madrid, Spain), M. Anegagrie, D. Zewdie, M. Yimer, T. Hailu, J. De Los Santos, A. Benito                                                                                                |               |
| <b>OS0897 12:06</b>                                                         | <b>The prevalence and impact on growth of intestinal parasites in preschool children in the Mangochi District of Malawi</b>                                                                       |               |
|                                                                             | T. Jones* (London, United Kingdom), J. Hart                                                                                                                                                       |               |
| <b>OS0898 12:18</b>                                                         | <b>Malaria co-infections: causes of fever in paediatric inpatients from Ghana</b>                                                                                                                 |               |
|                                                                             | B. Hogan* (Hamburg, Germany), D. Eibach, N. Sarpong, R. Krumkamp, D. Dekker, B. Kreuels, O. Maiga-Ascofaré, H. Buehl, I. Eckerle, Y. Adu-Sarkodie, E. Owusu-Dabo, J. May                          |               |
| <b>OS185</b>                                                                | <b>11:30 – 12:30</b>                                                                                                                                                                              | <b>Hall G</b> |
| <b>1-hour Oral Session</b>                                                  |                                                                                                                                                                                                   |               |
| <b>Immunity and immunogenetics of infections in immunocompromised hosts</b> |                                                                                                                                                                                                   |               |
| <i>Chairs</i>                                                               | Pierre-Yves Bochud (Lausanne, Switzerland), Shiranee Sriskandan (London, United Kingdom)                                                                                                          |               |
| <b>OS0899 11:30</b>                                                         | <b>Receptor expression and epithelial damage response to pathogenic <i>Mucorales</i> species characterized in an alveolar bilayer model</b>                                                       |               |
|                                                                             | S. Wurster* (Würzburg, Germany), S. Belic, M. Lazariotou, A. Waaga-Gasser, M. Dragan, J. Springer, D. Michel, J. Löffler, H. Einsele, A. Ullmann                                                  |               |
| <b>OS0900 11:42</b>                                                         | <b>Epidemiological and clinical characteristics of patients with anti-interferon-gamma autoantibodies associated with opportunistic infections in Hong Kong</b>                                   |               |
|                                                                             | J. Chan* (Hong Kong, Hong Kong), G. Choi, S. Leung, K. Tee, B. Tang, I. Hung, K. Yuen                                                                                                             |               |

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| <b>OS0901 11:54</b>        | <b>Innate and adaptive immune defects in chronic pulmonary aspergillosis</b>                                                                                                                                                                                         |               |
|                            | F. Bongomin* (Manchester, United Kingdom), C. Kosmidis, P. Foden, C. Harris, D. Denning                                                                                                                                                                              |               |
| <b>OS0902 12:06</b>        | <b>Transcriptomic regulatory analysis of the dendritic cell response to post-lung transplant invasive aspergillosis</b>                                                                                                                                              |               |
|                            | A. Adlaka* (London, United Kingdom), D. Armstrong-James, B. Lenhard                                                                                                                                                                                                  |               |
| <b>OS0903 12:18</b>        | <b>Association between mRNA expression of CD74 and IL10 and risk of ICU-acquired infections – a multicentre cohort study</b>                                                                                                                                         |               |
|                            | E. Peronnet* (Lyon, France), F. Venet, D. Maucourt-Boulch, A. Friggeri, M. Cour, L. Argaud, B. Allaouchiche, B. Floccard, F. Aubrun, T. Rimmelé, F. Thiollie, V. Piriou, J. Bohé, M. Cazalis, G. Monneret, S. Morisset, J. Textoris, H. Vallin, A. Pachot, A. Lepape |               |
| <b>OS186</b>               | <b>11:30 – 12:30</b>                                                                                                                                                                                                                                                 | <b>Hall H</b> |
| <b>1-hour Oral Session</b> |                                                                                                                                                                                                                                                                      |               |
| <b>Zoonosis update</b>     |                                                                                                                                                                                                                                                                      |               |
| <i>Chairs</i>              | Camilla Rodrigues (Mumbai, India), Sally Jane Cutler (London, United Kingdom)                                                                                                                                                                                        |               |
| <b>OS0904 11:30</b>        | <b>Molecular risk assessment of <i>Campylobacter jejuni</i> recovered from human and broiler carcasses</b>                                                                                                                                                           |               |
|                            | M. Elhadidy* (Brussels, Belgium), A. Duarte, K. Dierick, N. Botteldoorn                                                                                                                                                                                              |               |
| <b>OS0905 11:42</b>        | <b>Sharing of clinically important antimicrobial resistance genes by companion animals and their human household members</b>                                                                                                                                         |               |
|                            | M. Pomba* (Lisbon, Portugal), A. Belas, C. Saraiva Marques, C. Aboim                                                                                                                                                                                                 |               |
| <b>OS0906 11:54</b>        | <b>Chronic Q fever-related complications and mortality: data from a nationwide cohort</b>                                                                                                                                                                            |               |
|                            | S. Van Roeden* (Utrecht, Netherlands), P. Wever, L. Kampschreur, W. Van der Hoek, A. Hoepelman, C. Bleeker-Rovers, J. Oosterheert                                                                                                                                    |               |
| <b>OS0907 12:06</b>        | <b>CXCL9, a promising biomarker in the diagnosis of chronic Q fever</b>                                                                                                                                                                                              |               |
|                            | A. Jansen* (Nijmegen, Netherlands), T. Schoffelen, J. Textoris, J. Mege, M. Nabuurs-Franssen, R. Rajmakers, L. Joosten, C. Bleeker-Rovers, M. Van Deuren                                                                                                             |               |
| <b>OS0908 12:18</b>        | <b>Ticks and tick-borne pathogens in Finland: a crowdsourcing based study</b>                                                                                                                                                                                        |               |
|                            | J. Hytönen* (Turku, Finland)                                                                                                                                                                                                                                         |               |

| EP187     | 12:30 – 13:30                                                                                                                                                                                                                                                                                                                                                                                                               | ePoster Arena 1 | EP188     | 12:30 – 13:30                                                                                                                                                                                                                                                                                                                                        | ePoster Arena 2 |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|           | <b>ePoster Mini-Oral Session</b>                                                                                                                                                                                                                                                                                                                                                                                            |                 |           | <b>ePoster Mini-Oral Session</b>                                                                                                                                                                                                                                                                                                                     |                 |
|           | <b>Immunization of special risk groups</b>                                                                                                                                                                                                                                                                                                                                                                                  |                 |           | <b>Update on colistin resistance – from lab to hospital</b>                                                                                                                                                                                                                                                                                          |                 |
| Moderator | Elisa Cordero (Seville, Spain)                                                                                                                                                                                                                                                                                                                                                                                              |                 | Moderator | Flavia Rossi (São Paulo, Brazil)                                                                                                                                                                                                                                                                                                                     |                 |
| EP0909    | <b>Safety and immunogenicity of 13-valent pneumococcal conjugate vaccine (PCV13) in patients with chronic heart and liver diseases</b><br><i>H. Sun* (Taipei, Taiwan), A. Cheng, C. Ho, R. Hu, N. Chou, S. Wang, C. Hung, S. Chang, S. Chang</i>                                                                                                                                                                            |                 | EP0918    | <b>Comparison of Vitek 2, E-test, and MICRONAUT preprepared plates with both microdilution for colistin testing of Enterobacteriaceae</b><br><i>S. Gatermann* (Bochum, Germany), N. Frey, A. Kaminski, G. Geis</i>                                                                                                                                   |                 |
| EP0910    | <b>Vaccination efficacy after allogeneic haematopoietic stem cell transplantation (VaccHemInf cohort): importance of haematologic characteristics for vaccine immunogenicity</b><br><i>F. Ader* (Lyon, France), M. Langlois, A. Conrad, H. Labussière-Wallet, S. Ducastelle-Lepretre, F. Baracco, M. Balsat, C. Lejeune, X. Thomas, F. Nicolini, G. Salles, M. Michallet, C. Roure-Sobas, C. Chidiac, F. Valour</i>         |                 | EP0919    | <b>Colistin MIC determination: a novel method based on flow cytometry</b><br><i>C. Pina-Vaz* (Porto, Portugal), R. Teixeira-Santos, N. Arêde-Marques, I. Martins-Oliveira, S. Costa-de-Oliveira, A. Silva-Dias, A. Silva, A. Rodrigues</i>                                                                                                           |                 |
| EP0911    | <b>Low vaccination rates in listed kidney transplant candidates: a prospective study</b><br><i>M. Giovanna* (Créteil, France), A. Henn, E. Audureau, J. Lelievre, G. Philippe, S. Gallien, M. Marie</i>                                                                                                                                                                                                                     |                 | EP0920    | <b>Whole-genome sequencing for a carbapenem- and colistin-resistant <i>Klebsiella pneumoniae</i> hospital outbreak</b><br><i>G. Orlando* (Modena, Italy), A. Grottola, B. Gentile, M. Pecorari, C. Venturelli, P. Pini, M. Meschiari, S. Tagliazzucchi, G. Fregni Serpini, F. Frascaro, A. Anselmo, S. Fillo, A. Fortunato, F. Lista, C. Mussini</i> |                 |
| EP0912    | <b>The immunogenicity of PCV13 in adults with and without underlying medical conditions</b><br><i>J. Qin* (Collegeville, United States), E. Chilson, C. Hall-Murray, S. Vuocolo, R. Isturiz, B. Schmoeler-Thoma, C. Webber, D. Scott</i>                                                                                                                                                                                    |                 | EP0921    | <b>Deciphering the metabolic response to polymyxin killing using a high-quality genome-scale metabolic model for an opportunistic pathogen <i>Pseudomonas aeruginosa</i> PAO1</b><br><i>Y. Zhu* (Clayton, Australia), T. Czauderna, M. Klapperstueck, M. Han, J. Lu, T. Velkov, T. Lithgow, J. Song, F. Schreiber, J. Li</i>                         |                 |
| EP0913    | <b>Invasive pneumococcal disease in haematologic patients: unmet needs on prevention and immunization</b><br><i>S. Cho* (Seoul, South Korea), D. Lee, C. Park, Y. Park, J. Choi, L. Hyo-Jin, S. Kim, S. Park, S. Choi, J. Choi, J. Yoo</i>                                                                                                                                                                                  |                 | EP0922    | <b>Clinical features and outcomes of patients with polymyxin- and carbapenem-resistant <i>Klebsiella pneumoniae</i> infections treated with tigecycline or amikacin</b><br><i>V. Oliveira* (Porto Alegre, Brazil), A. Zavascki, P. Fernandes, C. Magagnin, L. Schuster, T. Behle</i>                                                                 |                 |
| EP0914    | <b>DTPID study: diphtheria, tetanus and poliomyelitis vaccination coverage and immunization among patients with systemic inflammatory diseases</b><br><i>A. Fournier* (Caen, France), B. Bienvenu, O. Launay, L. Guillemin, E. Hachulla, A. Smail, R. Morello, R. Verdon, C. Janssen</i>                                                                                                                                    |                 | EP0923    | <b>Lower case risk factors for colistin-resistant Enterobacteriaceae in a low-endemicity setting for carbapenem resistance – a matched case-control study</b><br><i>A. Buehler* (Basel, Switzerland), C. Gehring, A. Widmer, A. Egli, S. Tschudin Sutter</i>                                                                                         |                 |
| EP0915    | <b>Vaccine coverage among a cohort of HIV-infected outpatients followed in referral university hospital centre: a prospective cross-sectional study, 25 January – 12 February 2016, Bordeaux, France</b><br><i>M. Méchain* (Bordeaux, France), M. Leclerc, F. Bonnet, M. Hessamfar, D. Lacoste, P. Morlat, T. Pistone, M. Receveur, N. Bernard, F. Paccalin, P. Duffau, D. Dondia, M. Pertusa, M. Vandenhende, D. Malvy</i> |                 | EP0924    | <b>Onward clonal transmission of <i>blaKPC-2</i> and <i>mcr-1</i> harbouring <i>Klebsiella pneumoniae</i> in a hospital environment: analysis of whole-genome sequences and shoe-leather epidemiology</b><br><i>K. Marimuthu* (Singapore, Singapore), W. Khong, B. Chong, R. Ong, T. Koh, A. Kwa, M. La, O. Ng, I. Venkatachalam, J. Teo</i>         |                 |
| EP0916    | <b>A review of immunization practices at a tertiary UK children's hospital</b><br><i>R. Cooke* (Liverpool, United Kingdom), S. Longmuir, D. Seddon</i>                                                                                                                                                                                                                                                                      |                 |           |                                                                                                                                                                                                                                                                                                                                                      |                 |
| EP0917    | <b>Immunization coverage and timeliness of immunizations in children with cystic fibrosis in Greece</b><br><i>H. Maltezou* (Athens, Greece), S. Doudounakis, M. Lekaditi, K. Tanou, P. Katerelos, M. Theodoridou</i>                                                                                                                                                                                                        |                 |           |                                                                                                                                                                                                                                                                                                                                                      |                 |

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| EP189                                              | 12:30 – 13:30                                                                                                                                                      | ePoster Arena 3 |
| ePoster Mini-Oral Session                          |                                                                                                                                                                    |                 |
| <b>Preventing healthcare-associated infections</b> |                                                                                                                                                                    |                 |
| Moderator                                          | Maaike S.M. Van Mourik (Zeist, Netherlands)                                                                                                                        |                 |
| EP0926                                             | <b>Highly effective management of cardiovascular implantable electronic device infections (CIED-Is)</b>                                                            |                 |
|                                                    | C. Fabrizio* (Taranto, Italy), G. Luzzi, R. Dell'Acqua, L. Lepore, Z. Palamà, R. Trotta, A. Mosca, S. Favale, G. Miragliotta, G. Angarano, S. Carbonara            |                 |
| EP0927                                             | <b>Withholding preoperative antibiotic prophylaxis in knee prosthesis revision; a retrospective analysis on culture results and risk of infection</b>              |                 |
|                                                    | M. Wouthuyzen-Bakker* (Groningen, Netherlands), E. Tornero, G. Claret, J. Bosch, J. Martinez-Pastor, A. Combalia, A. Soriano                                       |                 |
| EP0928                                             | <b>The enumeration of bacteria in biofilm on cardiac device infections: comparative analysis between the vortex-sonication and BioTimer assay</b>                  |                 |
|                                                    | A. Oliva* (Rome, Italy), L. Rosa, A. Cipolla, A. Cutone, C. Mastroianni, P. Valenti, V. Vullo                                                                      |                 |
| EP0929                                             | <b>The clinical utility of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) nasal screening for predicting MRSA pneumonia: a diagnostic meta-analysis</b> |                 |
|                                                    | D. Parente* (Providence, United States), C. Cunha, T. Timbrook                                                                                                     |                 |
| EP0930                                             | <b>The prevalence of resistance to colistin during selective decontamination in the ICU</b>                                                                        |                 |
|                                                    | N. Plantinga* (Utrecht, Netherlands), B. Wittekamp, C. Brun-Buisson, M. Bonten                                                                                     |                 |
| EP0931                                             | <b>Estimated personal protective equipment needed for healthcare facilities when taking care of patients with Middle East respiratory syndrome</b>                 |                 |
|                                                    | J. Lee* (Seoul, South Korea), Y. Seo, S. Kim, E. Kim, S. Lee, H. Lee, S. Park, J. Eom                                                                              |                 |
| EP0932                                             | <b>Hand hygiene compliance in the operating room: from the bottom to the top of the charts</b>                                                                     |                 |
|                                                    | D. Wiltgen* (Porto Alegre, Brazil), L. Martins, A. Boff, J. Brustolin                                                                                              |                 |
| EP0933                                             | <b>The impact of a national coordinated intervention on the control of carbapenem-resistant Enterobacteriaceae in post-acute hospitals in Israel</b>               |                 |
|                                                    | D. Ben-David* (Tel Aviv, Israel), S. Masarwa, E. Solter, D. Schwartz, A. Adler, Y. Carmeli, M. Schwaber                                                            |                 |

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| EP190                           | 12:30 – 13:30                                                                                                                               | ePoster Arena 4 |
| ePoster Mini-Oral Session       |                                                                                                                                             |                 |
| <b>Direct detection methods</b> |                                                                                                                                             |                 |
| Moderator                       | Jacob Moran-Gilad (Beit Kama, Israel)                                                                                                       |                 |
| EP0934                          | <b>Evaluation of the new RIDA GENE gastro panel for the direct detection of stool pathogens in comparison to routine diagnostic methods</b> |                 |
|                                 | U. Eigner* (Heidelberg, Germany), N. Hefner, M. Hofelder, R. Schwarz                                                                        |                 |

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| EP0935 | <b>Multiplex O-antigen serotyping for shiga-toxin-producing <i>Escherichia coli</i> in clinical isolates using surface plasmon resonance imaging</b>          |  |
|        | S. Nakano* (Kyoto, Japan), M. Nagao, M. Yamamoto, Y. Matsumura, S. Takakura, S. Ichiyama                                                                      |  |
| EP0936 | <b>Direct detection of OXA-type carbapenemase in <i>A.baumannii</i> as component of molecular monitoring of hospital pathogens</b>                            |  |
|        | O. Bogomolova* (Rostov-on-Don, Russian Federation), O. Kit, Z. Tatiana                                                                                        |  |
| EP0937 | <b>Performance of GenoType NTM-DR kit for identification of <i>Mycobacterium abscessus</i> subspecies and detection of antibiotic resistance</b>              |  |
|        | N. Bouzinbi* (Montpellier, France), T. Bertolotti, S. Aberkane, A. Appelgren, M. Ponsoda, G. Panteix, V. Jacomo, A. Banuls, O. Marcy, S. Godreuil             |  |
| EP0938 | <b>Prediction of antibiotic resistance in <i>Escherichia coli</i> from resistance genes</b>                                                                   |  |
|        | G. Walker* (Gaithersburg, United States), J. Quan, S. Higgins, N. Toraskar, K. Pitzer, D. Donovan, L. Settle, N. Whitfield, B. Lopansri                       |  |
| EP0939 | <b>OXA-181 producing <i>Klebsiella pneumoniae</i> isolated from blood cultures in a tertiary academic hospital, Pretoria, South Africa</b>                    |  |
|        | K. Strydom* (Pretoria, South Africa), N. Mbelle, K. Masemola, F. Ismail, M. Said, N. Maningi, B. Shey, V. Tshisevhe                                           |  |
| EP0940 | <b>Real-time multiplexes for the direct diagnosis on CSF of community-acquired, nosocomial and neonatal bacterial meningitis</b>                              |  |
|        | M. Amoureux* (Marseille, France), A. Delmas, P. Fournier, D. Raoult                                                                                           |  |
| EP0941 | <b>Quantitative detection of <i>Streptococcus pneumoniae</i> in nasopharyngeal swabs using droplet digital PCR method</b>                                     |  |
|        | A. Mokhov* (St. Petersburg, Russian Federation), J. Sopova, I. Tsvetkova, V. Gostev, M. Wolkowa, O. Kalinogorskaya, D. Kolesnik, A. Goncharov, S. Sidorenko   |  |
| EP0942 | <b>Added diagnostic value and impact on anti-microbial therapy of 16S rRNA PCR and amplicon sequencing on resected heart valves in infective endocarditis</b> |  |
|        | B. Peeters* (Leuven, Belgium), P. Herijgers, J. Verhaegen, K. Beuselinck, W. Peetermans, M. Herregods, S. Desmet, K. Lagrou                                   |  |

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| EP191                                                  | 12:30 – 13:30                                                                                                                                    | ePoster Arena 5 |
| ePoster Mini-Oral Session                              |                                                                                                                                                  |                 |
| <b>Recent advances in PK/PD: efficacy and toxicity</b> |                                                                                                                                                  |                 |
| Moderator                                              | Markus Zeitlinger (Vienna, Austria)                                                                                                              |                 |
| EP0943                                                 | <b>Population pharmacokinetics, Monte Carlo simulations and dosing recommendations of cefepime using 2h infusion, including renal impairment</b> |                 |
|                                                        | A. Muller* (The Hague, Netherlands), S. Bhagwat, M. Patel, J. Mouton                                                                             |                 |



- EP0944** Triple combination of tigecycline-colistin-meropenem against carbapenemase producing *Klebsiella pneumoniae* isolates in an *in vitro* PK-PD model  
J. Meletiadis\* (Nijmegen, Netherlands), M. Tsala, S. Vourli, G. Daikos, J. Mouton, S. Pournaras
- EP0945** Efficacy and nephrotoxicity associated with various colistin-dosing schemas for the treatment of multidrug-resistant (MDR) infections  
T. Bias\* (Philadelphia, United States), A. Bandali
- EP0946** Pharmacodynamic profiling of oritavancin dosing regimens for salvage therapy of vancomycin-resistant *Enterococcus* endocarditis: semi-mechanistic of rabbit infection data to support human dosing regimens  
A. Farkas\* (Bloomington, United States), G. McKinley, P. Villasurda, C. Hoffman, A. Koo
- EP0947** Neurotoxicity, nephrotoxicity, and severe infusion-related adverse effects in patients receiving high doses of polymyxin B  
D. Falci\* (Porto Alegre, Brazil), A. Zavascki, J. John, M. Rigatto
- EP0948** Comparative pharmacokinetics/pharmacodynamics (PK/PD) of telavancin and vancomycin in the murine thigh and lung infection models against *Staphylococcus aureus* (SA)  
A. Lepak\* (Madison, United States), M. Zhao, J. Smart, J. Bruss, D. Andes
- EP0949** Minocycline and rifampicin combination therapy for treatment and prevention of emergence of resistance in MRSA  
S. Pybus\* (Liverpool, United Kingdom), L. McEntee, A. Johnson, S. Whalley, K. Bowker, G. Drusano, A. MacGowan, W. Hope
- EP0950** A novel mechanism-based model to describe polymyxin-based triple drug therapy against KPC-producing *Klebsiella pneumoniae*  
N. Onufrak\* (Chapel Hill, United States), Z. Bulman, B. Tsuji, R. Nation, J. Li, A. Forrest
- EP0951** Identification of early urinary biomarkers for polymyxin-induced nephrotoxicity using proteomics  
S. Sivanesan\* (Scoresby, Australia), J. Wang, S. Cheah, R. Schittenhelm, A. Purcell, T. Velkov, J. Li
- EP0953** Is acute focal nephritis an upper urinary tract infection with proper clinical entity?  
M. Ignacio\* (Málaga, Spain), J. Ruiz-Mesa, A. Plata Ciézar, J. Mora, C. Mediavilla, M. Salido, B. Palop, B. Sobrino, J. Reguera Iglesias, J. Colmenero
- EP0954** Complicated urinary tract infections: heterogeneity among hospitals. A retrospective observational cohort study. Results of the COMBACTE-MAGNET, RESCUING study  
T. Babitch\* (Petah Tikva, Israel), M. Pujol, I. Addy, I. Wiegand, E. Shaw Perujo, C. Vank, L. Vallejo Torres, S. Morris, J. Vigo, S. Grier, M. Stoddart, J. Gibbs, N. Cuperus, L. Van del Heuvel, N. Eliakim-Raz, J. Carratalà, C. Vuong, A. MacGowan, L. Leibovici
- EP0955** Is treating ESBL-producing *E. coli* prostatitis by ertapenem as good as other carbapenems?  
J. Choucair\* (Beirut, Lebanon), A. Mroue
- EP0956** Optimal dosage and duration of pivmecillinam for the treatment of uncomplicated lower urinary tract infections: a systematic review and meta-analysis  
F. Wagenlehner\* (Griessen, Germany), S. Schmidt, M. Pinart, J. Kranz, K. Jensen, T. Proctor, K. Naber, F. Kunath
- EP0957** Data from an ongoing clinical trial: five cases of uncomplicated LUTI caused by ESBL-producing *Escherichia coli* were successfully treated with pivmecillinam 400 mg t.i.d. for 3–5 days  
F. Jansåker\* (Hvidovre, Denmark), F. B. Hertz, S. Thønnings, N. Frimodt-Møller, J. Knudsen
- EP0958** Urinary tract infections in the elderly: care pathways and characteristics  
M. Gharbi Drysdale\* (London, United Kingdom), H. Lishman, M. Molokhia, R. Goudie, A. Thomas, A. Holmes, P. Aylin
- EP0959** Difference in fever duration between elderly and non-elderly patients in acute uncomplicated pyelonephritis  
S. Fukui\* (Tokyo, Japan), N. Mori, T. Matsuo, A. Sakurai, K. Furukawa, E. Hoshino
- EP0960** Fosfomycin in the prevention of urinary tract infections – preliminary data  
I. Karaïskos\* (Athens, Greece), V. Sakka, A. Gkoufa, L. Galani, F. Baziaka, H. Giamarellou

**EP192** 12:30 – 13:30 ePoster Arena 6  
ePoster Mini-Oral Session

#### Urinary tract infections: current issues

Moderator Lindsay Nicolle (Winnipeg, Canada)

**EP0952** Applying new clinical criteria for sepsis to hospitalized patients with urinary tract infections (UTI)

E. Minejima\* (Los Angeles, United States),  
A. Wong-Beringer

**SY193** 13:30 – 15:30 Hall B  
2-hour Symposium

#### Is aspergillosis really an opportunistic infection?

Chairs Birgit Willinger (Vienna, Austria),  
David W. Denning (Manchester, United Kingdom)

**SY0964** 13:30 Non-neutropenic patients and aspergillosis  
David A. Stevens (San Jose, United States)

**SY0961** 14:00 Aspergillosis – the role of the host  
Carolina Garcia Vidal (Barcelona, Spain)

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| <b>SY0962 14:30 Aspergillosis – the role of the fungus</b><br><i>Paul Eduard Verweij (Nijmegen, Netherlands)</i>                                              |                                                                                            |               |
| <b>SY0963 15:00 Azole resistance in <i>Aspergillus</i> – clinical impact in haematological patients</b><br><i>Dieter Buchheidt (Mannheim, Germany)</i>        |                                                                                            |               |
| <b>SY194 13:30 – 15:30</b><br><b>2-hour Symposium</b>                                                                                                         |                                                                                            | <b>Hall C</b> |
| <b>Healthcare threats in Latin America</b>                                                                                                                    |                                                                                            |               |
| <i>Chairs</i>                                                                                                                                                 | <i>Jorge Chaverri (San Pedro, Costa Rica),<br/>Clovis Arns da Cunha (Curitiba, Brazil)</i> |               |
| <b>SY0965 13:30 Dengue vaccine availability – opportunities and challenges for Latin America</b><br><i>Jaime Torres (Caracas, Venezuela)</i>                  |                                                                                            |               |
| <b>SY0966 14:00 Endemic mycoses in Latin America – update and international relevance</b><br><i>Flavio De Queiroz Telles Filho (Curitiba, Brazil)</i>         |                                                                                            |               |
| <b>SY0967 14:30 Chikungunya: beyond the acute disease, a deep look on its chronic consequences</b><br><i>Alfonso J. Rodriguez-Morales (Pereira, Colombia)</i> |                                                                                            |               |
| <b>SY0968 15:00 Current management of leishmaniasis</b><br><i>Reynaldo Dietze (Vitoria, Brazil)</i>                                                           |                                                                                            |               |
| <b>Co-organized with: Brazilian Society of Infectious Diseases (SBI), Panamerican Association of Infectious Diseases (API)</b>                                |                                                                                            |               |

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| <b>SY195 13:30 – 15:30</b><br><b>2-hour Symposium</b>                                                                                                                |                                                                                    | <b>Hall E</b> |
| <b>How medical overuse drives healthcare costs and antimicrobial resistance</b>                                                                                      |                                                                                    |               |
| <i>Chairs</i>                                                                                                                                                        | <i>Gabriel Birgand (London, United Kingdom),<br/>Anna Zorzet (Uppsala, Sweden)</i> |               |
| <b>SY0969 13:30 How overuse of antimicrobials drives anti-microbial resistance</b><br><i>Ceire Costelloe (London, United Kingdom)</i>                                |                                                                                    |               |
| <b>SY0970 14:00 How overuse of testing leads to overtreatment of infectious diseases</b><br><i>Alexander W. Friedrich (Groningen, Netherlands)</i>                   |                                                                                    |               |
| <b>SY0971 14:30 Prevention of infectious disease through limiting overuse of devices</b><br><i>Stephan Harbarth (Geneva, Switzerland)</i>                            |                                                                                    |               |
| <b>SY0972 15:00 Overview of medical overuse and how “choosing wisely” may improve infectious disease outcomes</b><br><i>Daniel Morgan (Baltimore, United States)</i> |                                                                                    |               |

|                                                                                                                                                                          |                                                                                   |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|
| <b>SY196 13:30 – 15:30</b><br><b>2-hour Symposium</b>                                                                                                                    |                                                                                   | <b>Hall J</b> |
| <b>Advancements in microbiota-based therapeutics in prevention and treatment of infectious diseases</b>                                                                  |                                                                                   |               |
| <i>Chairs</i>                                                                                                                                                            | <i>Susana Fuentes (Wageningen, Netherlands)<br/>Gianluca Ianiro (Rome, Italy)</i> |               |
| <b>SY0973 13:30 Mechanisms by which bacteria interact and compete with one another</b><br><i>Sanna Koskineemi (Uppsala, Sweden)</i>                                      |                                                                                   |               |
| <b>SY0974 14:00 Basic concepts in colonization resistance mechanisms</b><br><i>Trevor Lawley (Hinxton, United Kingdom)</i>                                               |                                                                                   |               |
| <b>SY0975 14:30 Microbiome-based therapeutics to eliminate intestinal colonization by multidrug-resistant bacteria</b><br><i>Nita Salzman (Milwaukee, United States)</i> |                                                                                   |               |
| <b>SY0976 15:00 Microbiome-based therapeutics for preventing recurrent <i>Clostridium difficile</i> infections</b><br><i>Elaine O. Petrof (Kingston, Canada)</i>         |                                                                                   |               |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                      |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------|
| <b>OS197 13:30 – 15:30</b><br><b>2-hour Oral Session</b>                                                                                                                                                                                                                                                                                                                                                                                       |                                                      | <b>Hall D</b> |
| <b>Fruits hanging high or low? Novel vaccines update</b>                                                                                                                                                                                                                                                                                                                                                                                       |                                                      |               |
| <i>Chairs</i>                                                                                                                                                                                                                                                                                                                                                                                                                                  | <i>Hanna M. Nohynek (Helsinki, Finland),<br/>TBC</i> |               |
| <b>OS0977 13:30 First-in-human study to assess the safety and immunogenicity of an investigational respiratory syncytial virus (RSV) vaccine based on ChAd155 viral vector expressing RSV viral proteins F, N, and M2-1 in healthy adults</b><br><i>P. Cicconi* (Oxford, United Kingdom), C. Jones, P. Klennerman, C. De Lara, L. Silva Reyes, P. Moris, J. Michel, L. Fissette, M. Picciolato, A. Gonzalez Lopez, I. Dieussaert, M. Snape</i> |                                                      |               |
| <b>OS0978 13:42 Monovalent and multivalent heterologous prime-boost filovirus vaccines: response to the West African Ebola outbreak and preparedness for the future</b><br><i>V. Oriol Mathieu* (Leiden, Netherlands), C. Robinson, G. Shukarev, N. Goldstein, K. Luhn, P. Tjeerdsmas, C. Van Wordragen, R. Roozendaal, S. Spreng, M. Douguuih, B. Callendret</i>                                                                              |                                                      |               |
| <b>OS0979 13:54 Immune cross-protection within <i>emm</i>-clusters following group A <i>Streptococcus</i> skin infection: broadening the scope of type-specific immunity</b><br><i>H. Frost* (Brussels, Belgium), D. Laho, M. Sanderson-Smith, P. Licciardi, S. Donath, N. Curtis, J. Kado, J. Dale, A. Steer, P. Smeesters</i>                                                                                                                |                                                      |               |
| <b>OS0981 14:18 Intranasal immunization with a live vaccine protects against <i>Pseudomonas aeruginosa</i>-associated pneumonia in mice</b><br><i>M. Póvoa Cabral* (A Coruña, Spain), P. García, M. Moscoso, G. Bou Arevalo</i>                                                                                                                                                                                                                |                                                      |               |
| <b>OS0982 14:30 Immunogenicity of B-cell epitopes within virulent surface proteins of <i>S. pneumoniae</i> and opsonophagocytic killing assay of their specific anti-peptide antibodies in a rabbit model</b><br><i>T. Papastamatiou* (Athens, Greece), J. Routsias, M. Mavrouli, E. Dotsika, V. Spoulou, A. Tsakris</i>                                                                                                                       |                                                      |               |

**OS0983 14:42** *M. bovis* BCG vaccination induces mycobacteria-specific immune responses but lacks protection from infection of human alveolar macrophages from tuberculosis

J. Radloff\* (Borstel, Germany), J. Heyckendorf, L. Van der Merwe, N. Reiling, E. Richter, C. Lange, B. Kalsdorf

**OS0984 14:54** Biotechnological approach to designing a new antitubercular vaccine

F. Mangione\* (Pavia, Italy), C. Sandra, E. Carrara, P. Marone, A. Kodjo Messan Guy, T. Bavaro, M. Amicosante, L. Piubelli, V. Monzillo

**OS0985 15:06** HIV-1 gp120-carrying polyion complex nanoparticles induce potent adaptive immunity via dendritic cell maturation

M. Baba\* (Kagoshima, Japan), T. Uto, T. Akagi, M. Akashi

**OS0986 15:18** Interchangeable use of pertussis antigen-containing vaccines independent of age indication

K. Goetz\* (Langen, Germany), P. Volkers, D. Oberle, I. Bekerjian-Ding

**OS198 13:30 – 15:30** Hall F  
2-hour Oral Session

**Changing landscape of community-acquired respiratory infections and treatment options**

*Chairs* Nur Benzonana (Istanbul, Turkey), Maria Adriana Cataldo (Rome, Italy)

**OS0987 13:30** Hospital discharge disposition of adults with invasive pneumococcal disease in a U.S. population

J. Suaya\* (New York, United States), A. Yee, L. Aukes, J. Qin, H. Sings, J. McLaughlin, K. Center, R. Isturiz, D. Swerdlow, R. Baxter

**OS0988 13:42** Time to blood culture positivity as a predictor of clinical outcomes and severity in adults with bacteraemic pneumococcal pneumonia

C. Cardozo\* (Barcelona, Spain), C. Cilloniz Campos, A. Ceccato, C. De la Calle, A. Gabarrus, C. Garcia Vidal, M. Almela, A. Soriano, A. Salazar, J. Martinez Martinez, F. Marco Reverte, A. Torres

**OS0989 13:54** Do high-risk patients with acute lower respiratory tract infection benefit from treatment with amoxicillin?

R. Bruyndonckx\* (Antwerp, Belgium), B. Stuart, N. Hens, G. Ieven, T. Verheij, C. Butler, P. Little, H. Goossens, S. Coenen

**OS0990 14:06** The appropriateness of community-acquired pneumonia guideline recommendations for treatment of healthcare-associated pneumonia in countries with low antibiotic resistance

V. Schweitzer\* (Utrecht, Netherlands), R. Smits, I. Van Heijl, C. Van Werkhoven, D. Postma, E. Boel, J. Oosterheert, M. Bonten

**OS0991 14:18** Relationship between antibiotic treatment failure and 30-day mortality in adult outpatients with community-acquired pneumonia

G. Tillotson\* (Chapel Hill, United States), D. Mildvan, T. Lodise, A. Lepore, P. Classi

**OS0992 14:30** Optimized combination therapy: the future to eradicate hypermutable bacteria

V. Rees\* (Parkville, Australia), J. Bulitta, A. Oliver, A. Peleg, R. Nation, C. Landersdorfer

**OS0993 14:42** Adverse events associated with fluoroquinolone and macrolide therapy in adult outpatients treated for community-acquired pneumonia

G. Tillotson\* (Chapel Hill, United States), T. Lodise, D. Mildvan, A. Lepore, P. Classi

**OS0995 15:06** Distribution of *Streptococcus pneumoniae* serotypes recovered from adults ≥ 50 years-of-age in select European countries over a seven-year interval (2009–2015)

R. Mendes\* (North Liberty, United States), H. Sings, L. Woosley, M. Castanheira, R. Flamm, R. Isturiz

**OS0996 15:18** Rethinking number-needed-to-vaccinate for adult pneumococcal conjugate vaccine in the United States: accounting for long-term public health impact against community-acquired pneumonia

J. McLaughlin\* (Collegeville, United States), D. Swerdlow, R. Isturiz

**OS199 13:30 – 15:30** Hall H  
2-hour Oral Session

**One health perspective on MDR Gram-positives: VRE & MRSA**

*Chairs* Maria Constança Pomba (Lisbon, Portugal), Fernando Baquero (Madrid, Spain)

**OS0997 13:30** Occupational exposure to raw meat – a risk factor for MRSA nasal colonization?

C. Cuny\* (Wernigerode, Germany), F. Layer, G. Werner, W. Witte

**OS0998 13:42** Extensive comparative genome analysis of *Enterococcus faecalis* and *Enterococcus faecium* reveals a direct association between absence of a CRISPR system and acquisition of vancomycin-resistance genes in *E. faecium*

J. Rolain\* (Marseille, France), K. Mlaga, V. Garcia, S. Diene, R. Ruimy, P. Colson

**OS0999 13:54** Dissemination of hospital-adapted lineages of vancomycin-resistant *Enterococcus faecium* in raw and treated wastewater across the east of England revealed by whole-genome sequencing

T. Gouliouris\* (Cambridge, United Kingdom), K. Raven, C. Ludden, B. Blane, P. Naydenova, F. Coll I Cerezo, D. Moradigaravand, A. MacGowan, N. Brown, J. Corander, D. Limmathurotsakul, M. Holmes, J. Parkhill, S. Peacock

**OS1000 14:06 Intestinal carriage of amoxicillin and vancomycin-resistant *Enterococcus faecium* in humans and pets from the Dutch community**

G. Van den Bunt\* (Utrecht, Netherlands), S. De Greeff, J. Hordijk, A. Mulder, L. Mughini Gras, J. Scharringa, L. Muller, J. Vlooswijk, M. Riemens-Van Zetten, J. Top, E. Brouwer, M. Spaninks, A. Timmerman, W. Van Pelt, A. Fluit, M. Bonten, R. Willems

**OS1001 14:18 Parallel rather than intermixed populations of *Enterococcus faecium* from livestock and humans**

K. Raven\* (Cambridge, United Kingdom), T. Gouliouris, C. Ludden, J. Hernandez, P. Wood, N. Hadjirin, M. Radakovic, A. MacGowan, J. Corander, M. Holmes, J. Parkhill, S. Peacock

**OS1002 14:30 Distance to pig farms as risk factor for community-onset livestock-associated MRSA CC398 infection in persons without known contact to pig farms – a nationwide study**

A. Koch\* (Copenhagen, Denmark), J. Anker, S. Ethelberg, K. Mølbak, J. Larsen, M. Jepsen

**OS1003 14:42 Diversity of methicillin-resistant *Staphylococcus aureus* CC9/CC398 genomes and the phylogenetic relationship between food and human clinical isolates**

A. Fetsch\* (Berlin, Germany), B. Kraushaar, A. Käsbohrer, J. Hammerl

**OS1004 14:54 Risk factors for nasal colonization by methicillin-resistant staphylococci in healthy humans in professional contact with companion animals in Portugal**

M. Pomba\* (Lisbon, Portugal), A. Rodrigues, A. Belas, C. Saraiva Marques, L. Telo da Gama

**OS1005 15:06 Detection of MRSA-*mecC*-t843, MRSA-*mecA*-CC398 and *Staphylococcus delphini* in magpies and cinereous vultures in Spain**

C. Torres\* (Logroño, Spain), L. Ruiz-Ripa, P. Gómez, M. Camacho, M. Zarazaga, J. De la Puente, U. Höfle

**OS1008 13:54 The impact on antibiotic use of routine molecular point-of-care testing for respiratory viruses in adults presenting to hospital with acute respiratory illness: results of a pragmatic randomized controlled trial**

N. Brendish\* (Southampton, United Kingdom), A. Malachira, T. Clark

**OS1009 14:06 Occurrence of antiviral drug-resistance mutations in the A/H1N1pdm09 influenza virus neuraminidase gene in two consecutive seasonal epidemics**

I. Sanz\* (Valladolid, Spain), S. Tamames, A. Anton, F. Pozo, C. Gulin, M. Rodriguez, I. Casas, J. Eiros, J. Galán, S. Rojo, C. Andrés, M. Dominguez-Gil, T. Pumarola, R. Ortiz de Lejarazu

**OS1010 14:18 An audit of influenza management in a tertiary children's hospital during the winter season 2015–2016**

C. Turnbull\* (Liverpool, United Kingdom), L. McCann, J. Burke, J. Cargill, R. Cooke

**OS1011 14:30 Genotype variability of human metapneumovirus isolated from Korean children, 2007–2013**

M. Lee\* (Seoul, South Korea), T. Kim

**OS1012 14:42 A novel human metapneumovirus carrying a 180-nucleotide duplication within the coding G protein region detected at a tertiary university hospital in Catalonia since the 2014–2015 season**

M. Piñana Moro\* (Barcelona, Spain), L. Gimferrer, C. Andrés, M. Codina, M. Martín, F. Fuentes, R. Saiz, P. Alcubilla, T. Pumarola, A. Anton

**OS1013 14:54 Respiratory viruses in hospital-acquired pneumonia in an intensive care unit: a monocentre retrospective study**

P. Loubet\* (Paris, France), N. Fidouh, M. Neuville, L. Bouadma, X. Lescure, D. Descamps, J. Timsit, Y. Yazdanpanah, B. Visseaux

**OS1014 15:06 Frequency of respiratory viruses among patients admitted to 26 intensive care units in seven consecutive winter-spring seasons (2009–2016) in Northern Italy**

A. Piralla\* (Pavia, Italy), B. Mariani, F. Rovida, F. Baldanti

**OS1015 15:18 The burden of non-influenza respiratory viruses in adult patients admitted for influenza-like illness: a three-year prospective multicentre study**

F. Bénézit\* (Rennes, France), P. Loubet, S. Jouneau, C. Pronier, J. Allain, O. Launay, P. Tattevin

**OS200 13:30 – 15:30 Hall I  
2-hour Oral Session**

**Respiratory viruses: diagnosis, management and outcome**

*Chairs* Adalat Abdullayev (Baku, Azerbaijan), Kate Templeton (Edinburgh, United Kingdom)

**OS1006 13:30 Epidemiological and clinical characterization of respiratory syncytial virus subtype-A and -B in infants with bronchiolitis**

A. Pierangeli\* (Rome, Italy), C. Selvaggi, C. Scagnolari, C. Bitossi, A. Frassanito, R. Nenna, F. Midulla, G. Antonelli

**OS1007 13:42 Community-acquired respiratory paramyxovirus infection after allogeneic haematopoietic stem cell transplantation: a single-centre experience**

Y. Spahr\* (Basel, Switzerland), S. Tschudin Sutter, V. Bättig, F. Compagno, M. Tamm, J. Halter, S. Gerull, J. Passweg, H. Hirsch, N. Khanna



|                                                                          |                                                                                                                                                                                                                                                                           |               |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>OS201</b>                                                             | <b>13:30 – 15:30</b>                                                                                                                                                                                                                                                      | <b>Hall K</b> |
| <b>2-hour Oral Session</b>                                               |                                                                                                                                                                                                                                                                           |               |
| <b>PK/PD: what you need to learn for new and old-revived antibiotics</b> |                                                                                                                                                                                                                                                                           |               |
| <i>Chairs</i>                                                            | William Couet (Poitiers, France),<br>Jason Roberts (Brisbane, Australia)                                                                                                                                                                                                  |               |
| <b>OS1016</b>                                                            | <b>13:30 WCK 4282 [high-dose cefepime (FEP)-tazobactam (TAZ)]: <i>in vivo</i> PK/PD studies identifying TAZ threshold concentrations against <i>AmpC P. aeruginosa</i></b>                                                                                                |               |
|                                                                          | S. Bhagwat* (Aurangabad, India), S. Takalkar,<br>K. Umkar, J. Satav, A. Kulkarni, P. Tayde, R. Chavan,<br>M. Patel                                                                                                                                                        |               |
| <b>OS1017</b>                                                            | <b>13:42 WCK 4873 [Nafithromycin]: PK/PD analysis for <i>H. influenzae</i> (HI) through murine lung infection model</b>                                                                                                                                                   |               |
|                                                                          | M. Patel* (Aurangabad, India), J. Satav, S. Takalkar,<br>K. Umkar, R. Chavan, A. Patel, S. Bhagwat                                                                                                                                                                        |               |
| <b>OS1018</b>                                                            | <b>13:54 Comparison of omadacycline (OMC) and tigecycline (TGC) pharmacodynamics (PD) in the plasma, epithelial lining fluid (ELF), and alveolar macrophages (AM) in healthy subjects</b>                                                                                 |               |
|                                                                          | K. Horn* (Chicago, United States), M. Gotfried,<br>J. Steenbergen, S. Villano, E. Tzanis, L. Garrity-Ryan,<br>S. Chitra, A. Manley, K. Tanaka, K. Rodvold                                                                                                                 |               |
| <b>OS1019</b>                                                            | <b>14:06 Pharmacokinetics and pharmacodynamics of murepavadin (POL7080) in neutropenic lung infection models</b>                                                                                                                                                          |               |
|                                                                          | G. Dale* (Allschwil, Switzerland), J. Mouton,<br>M. Melchers, J. Teague, P. Thommes, P. Warn,<br>J. Hansen, C. Vingsbo Lundberg, F. Bernardini,<br>D. Obrecht                                                                                                             |               |
| <b>OS1020</b>                                                            | <b>14:18 Population pharmacokinetics of murepavadin (POL7080) and Monte Carlo simulations to develop clinical dosing regimens, including the renally impaired</b>                                                                                                         |               |
|                                                                          | A. Muller* (The Hague, Netherlands), B. De Winter,<br>G. Dale, A. Wach, J. Mouton                                                                                                                                                                                         |               |
| <b>OS1021</b>                                                            | <b>14:30 Use of pharmacokinetic-pharmacodynamic (PK-PD) target attainment analyses to support the evaluation of intravenous and oral lefamulin dosing regimens for the treatment of patients with community-acquired bacterial pneumonia (CABP)</b>                       |               |
|                                                                          | S. Bhavnani* (Schenectady, United States),<br>L. Zhang, C. Rubino, J. Bader, H. Sader, S. Gelone,<br>W. Wicha, P. Ambrose                                                                                                                                                 |               |
| <b>OS1022</b>                                                            | <b>14:42 Evaluation of polymyxin B (PB)-based and dual-carbapenem combinations against carbapenem-resistant Enterobacteriaceae co-harboring <i>mcr-1</i> and <i>KPC-2</i></b>                                                                                             |               |
|                                                                          | J. Teo* (Singapore, Singapore), T. Lim, Y. Cai, J. Ho,<br>W. Lee, T. Koh, P. Chlebicki, T. Tan, A. Kwa                                                                                                                                                                    |               |
| <b>OS1023</b>                                                            | <b>14:54 Exposure-response relationships and emergence of resistance of fosfomycin against MDR Enterobacteriaceae in an <i>in vitro</i> hollow fiber infection model</b>                                                                                                  |               |
|                                                                          | F. Fransen* (Nijmegen, Netherlands),<br>J. Raaijmakers, C. Lagarde, M. Melchers,<br>J. Meletiadis, J. Mouton                                                                                                                                                              |               |
| <b>OS1024</b>                                                            | <b>15:06 <i>In vitro</i> pharmacodynamics of fosfomycin against clinical isolates of carbapenem-resistant <i>Klebsiella pneumoniae</i> (CR-KP)</b>                                                                                                                        |               |
|                                                                          | J. Teo* (Singapore, Singapore), J. Teo, A. Goh,<br>S. Tan, Y. Cai, W. Lee, T. Koh, T. Tan, A. Kwa                                                                                                                                                                         |               |
| <b>OS1025</b>                                                            | <b>15:18 An evaluation of the effectivity of the current treatment of uncomplicated urinary tract infections with fosfomycin based on urinary concentrations in healthy volunteers</b>                                                                                    |               |
|                                                                          | R. Wijma* (Rotterdam, Netherlands), B. Koch,<br>T. Van Gelder, J. Mouton                                                                                                                                                                                                  |               |
| <b>OS202</b>                                                             | <b>13:30 – 15:30</b>                                                                                                                                                                                                                                                      | <b>Hall L</b> |
| <b>2-hour Oral Session</b>                                               |                                                                                                                                                                                                                                                                           |               |
| <b>MALDI-TOF – diagnostics for the micro lab in the 21st century</b>     |                                                                                                                                                                                                                                                                           |               |
| <i>Chairs</i>                                                            | Katja Seme (Ljubljana, Slovenia),<br>Martin Sundqvist (Örebro, Sweden)                                                                                                                                                                                                    |               |
| <b>OS1026</b>                                                            | <b>13:30 Broad range PCR coupled with electrospray ionization mass spectrometry – usefulness in a tertiary infectious diseases centre</b>                                                                                                                                 |               |
|                                                                          | D. Florea* (Bucharest, Romania), E. Neaga,<br>M. Fratila, A. Rafila, D. Dorobat, D. Talapan,<br>A. Streinu-Cercel, D. Otelea                                                                                                                                              |               |
| <b>OS1027</b>                                                            | <b>13:42 Proof of concept using PEI-nanoparticles for concentrating bacteria from broncho-alveolar lavage</b>                                                                                                                                                             |               |
|                                                                          | J. Hurtado Negreiros* (Barcelona, Spain), A. Aira,<br>M. Ferrer Navarro, G. Planells, C. Ballesté,<br>M. Navarro, L. Muñoz, J. Puig, J. Bosch, F. Marco,<br>A. Torres, P. Castro, J. Vila                                                                                 |               |
| <b>OS1028</b>                                                            | <b>13:54 Comparison of bacterial identification directly from positive blood culture bottles by MALDI-TOF using standard MALDI Biotyper Compass and Sepsityper module</b>                                                                                                 |               |
|                                                                          | M. Pirs* (Ljubljana, Slovenia), D. Barbic,<br>M. Mueller-Premru                                                                                                                                                                                                           |               |
| <b>OS1029</b>                                                            | <b>14:06 Rapid detection of <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> and resistance markers in positive blood cultures by using MALDI BioTyper system and FilmArray blood cultures identification panel combined with the Eazyplex Superbug CRE assay</b> |               |
|                                                                          | G. Menchinelli* (Rome, Italy), B. Fiori, T. D'Inzeo,<br>F. Liotti, G. De Angelis, F. De Maio, M. Sanguinetti,<br>T. Spanu                                                                                                                                                 |               |
| <b>OS1030</b>                                                            | <b>14:18 Evaluation of the Accelerate Pheno™ for direct identification and antimicrobial susceptibility testing from positive blood cultures in bloodstream infections with Gram-negative pathogens</b>                                                                   |               |
|                                                                          | S. Peter* (Tübingen, Germany), M. Marschal,<br>J. Bachmaier, I. Autenrieth, P. Oberhettinger,<br>M. Willmann                                                                                                                                                              |               |



**OS1031 14:30** The use of matrix-assisted laser desorption ionization time-of-flight mass spectrometry (MALDI-TOF MS) for rapid bacterial identification in patients with smear-positive bacterial meningitis – a study of diagnostic accuracy

*B. Bishop\* (Haifa, Israel), Y. Geffen, O. Kassir, A. Kamar, M. Paul, A. Neuberger*

**OS1032 14:42** Evaluation of the new multiplex real-time PCR technique Allplex GI-Bacteria I and Allplex GI-Bacteria II assay, Seegene in the diagnosis of gastrointestinal diseases of bacterial aetiology

*M. Orellana Miguel\* (Madrid, Spain), A. Martín-Díaz, A. Perez de Ayala Balzola, I. Muñoz-Gallego, D. Lora*

**OS1033 14:54** Cost-effectiveness of MALDI-TOF and rapid antimicrobial susceptibility testing for high-risk patients

*S. Andreassen\* (Aalborg, Denmark), L. Ward, M. Fantini, L. Leibovici, V. Sambri*

**OS1034 15:06** Subtyping of vancomycin-resistant enterococci with MALDI-TOF mass spectrometry

*B. Holzknecht\* (Herlev, Denmark), R. Dargis, M. Pedersen, M. Pinholt, J. Christensen*

**OS1035 15:18** Using MALDI-TOF MS complemented with selected genes (16S rRNA gene, *gyrB* gene) sequencing to practically identify clinical important viridans group streptococci

*Z. Menglan\* (Beijing, China), Q. Yang, Y. Xu*



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# 4th Conference on Vaccines New and old diseases in children and adults – unmet needs

## Dubrovnik, Croatia 8 – 10 September 2017

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# Paper Poster Sessions

Saturday, 22 April 2017

P001 15:30 – 16:30

## Epidemiology and surveillance of pathogenic streptococci

**P0001** Antimicrobial resistance characterization of *Streptococcus bovis* group isolates recovered from a Spanish Hospital.

B. Rojo-Bezares\* (Logroño, Spain), N. Ortega-Unanue, J. Azcona-Gutierrez, Y. Saenz

**P0002** Antibiotic resistance mechanisms and clonal relationship among clinical *Streptococcus dysgalactiae* subsp. *equisimilis*

B. Rojo-Bezares\* (Logroño, Spain), L. Toca-Gonzalez, N. Ortega-Unanue, J. Azcona-Gutierrez, Y. Saenz

**P0003** Emergence of penicillin-nonsusceptible *Streptococcus agalactiae* with multidrug-resistant phenotype in Korea

J. Chang\* (Seoul, South Korea), H. Park, H. Sung, S. Lee, M. Kim

**P0004** Invasive group B *Streptococcus* in Kuwait 2004–2014: serotype distribution and antimicrobial susceptibility profile

N. Al-Sweih\* (Al-Fintas, Kuwait), E. Al-Mutawa, A. Alhaqan, H. Alotaibi

**P0005** Invasive group B streptococcal infection in Taiwan: serotype distribution, antimicrobial susceptibility and clinical risk factors

C. Yu-Fen\* (Changhua, Taiwan), C. Lee, Y. Fang, T. Wu, Y. Chan

**P0006** Pneumococcal diseases in chronic obstructive pulmonary diseases (COPD) patients: an overview of resistance, serotypes and genotypes

H. Shoji\* (Barcelona, Spain), D. Vázquez, M. Cubero, F. Tubau, A. González, J. Linares, S. Santos, C. Ardanuy Tisaire

**P0007**

Antimicrobial susceptibility of pediatric *S. pneumoniae* clinical isolates in Mexico (2000–2016)

G. Echaniz-Aviles\* (Cuernavaca, Mexico), M. Carnalla-Barajas, A. Soto-Naguerón, M. Velazquez-Meza, M. Sánchez-Alemán

**P0008**

Surveillance of antimicrobial resistance in *Streptococcus pneumoniae* at a tertiary care centre

V. Gupta\* (Delhi, India), N. Goel, C. Wattal

**P0009**

A twelve-year surveillance of antimicrobial resistance and serotype epidemiology of invasive *Streptococcus pneumoniae* in a Greek university hospital

S. Maraki\* (Heraklion, Greece), V. Mavromanolaki

**P0010**

Dynamics of penicillin non-susceptible and multidrug-resistant pneumococcal clones causing adult invasive disease in Spain (1994–2015)

J. Càmarà\* (Barcelona, Spain), M. Cubero, A. González, F. Tubau, M. Domínguez Luzon, J. Linares, C. Ardanuy Tisaire

**P0011**

Serotypes and antibiotic susceptibility of *Streptococcus pneumoniae* isolates from invasive pneumococcal disease in Algeria (2006–2016)

C. Bentchouala\* (Constantine, Algeria), H. Abia, L. Abdesselam, H. Laouar, K. Benlabed, F. Smati

**P0012**

Clonal diversity and decrease of macrolide resistance in *Streptococcus pyogenes*: 7 years overview.

D. Berbel Palau\* (Barcelona, Spain), F. Tubau, A. Domenech, J. Càmarà, M. Domínguez Luzon, C. Ardanuy Tisaire

**P0014**

Clonal stability among group A *Streptococci* causing invasive infections in Portugal

A. Friães\* (Lisbon, Portugal), J. Lopes, M. Ramirez, J. Melo-Cristino

- P0015** **The First Study in Turkey; Molecular *emm* Typing of Group C/G Streptococci Isolated from Invasive and Non-invasive Infections and Demonstration of Phylogenetic Relationships**  
S. Kızılyıldırım\* (Adana, Turkey), C. Onlen, V. Chalker, J. Coelho, A. Efstratiou, F. Köksal
- P0016** **Sequence type 416 of serotype 19A is responsible for the increasing macrolide resistance in *Streptococcus pneumoniae* in the Czech Republic**  
L. Malisova\* (Prague, Czech Republic), P. Spanelova, V. Jakubu, J. Kozakova, M. Musilek, H. Zemlickova
- P0017** **Next-generation sequencing applied on antibiotic-resistant *Streptococcus pneumoniae* serogroup 19 reviewed coincidence between genes of resistance and sequence type**  
P. Spanelova\* (Prague, Czech Republic), L. Malisova, V. Jakubu, H. Zemlickova
- P0018** **Molecular epidemiology of serotype 19A *Streptococcus pneumoniae* in Russia, 2002–2013**  
T. Savinova\* (Moscow, Russian Federation), N. Alyabieva, O. Ponomarenko, E. Brzhozovskaya, A. Lazareva, L. Katosova, R. Kozlov, N. Mayanskiy
- P0019** **Distribution of *Streptococcus pneumoniae* serotypes among global populations**  
B. Hilton\* (Collegeville, United States), K. Kazmierczak, M. Hackel, H. Li, J. Kalamatas, H. Sings, R. Isturiz
- P0020** **Distribution of *Streptococcus pneumoniae* serotypes among adults 18 years and older in Europe and the United States, 2014–2015**  
C. Hall-Murray\* (Collegeville, United States), K. Kazmierczak, M. Hackel, J. Kalamatas, H. Sings, R. Isturiz
- P0021** **Respiratory viruses frequently mimic clinical pertussis in young infants**  
R. Damouni Shalabi\* (Haifa, Israel), E. Bamberger, A. Kugelman, O. Golan-Shany, I. Srugo
- P0022** **Whooping cough in adults – the experience of a university hospital**  
C. Soeiro\* (Porto, Portugal), A. Tavares, P. Pereira, H. Ramos, R. Sarmento e Castro
- P0023** **Pertussis infection in Navarra (2011–2016)**  
A. Aguinaga\* (Pamplona, Spain), A. Navascués Ortega, M. Garcia-Cenoz, J. Diaz Gonzalez, A. Gil-Setas, C. Ezpeleta
- P0024** **Emergence of *Bordetella holmesii* as a causative agent of pertussis-like illness in Barcelona, Spain**  
A. Mir-Cros\* (Barcelona, Spain), M. Codina, T. Cornejo-Sánchez, M. Martin, T. Pumarola Sole, J. González-López
- P0025** **Pulse-field gel electrophoresis of *Bordetella pertussis* circulating isolates and vaccine strain in Iran from 2009 to 2014**  
F. Shahcheraghi\* (Tehran, Iran), F. Sadeghpour Heravi, V. Nikbin
- P0026** **Pertussis: frequency, clinical and biological aspects and evolution among suspected cases at Hussein-Dey University Hospital, Algiers**  
M. Sadjia\* (Algiers, Algeria), D. Warda, A. Abad, O. Ibsaine, Z. Guechi
- P0027** **Effectiveness of Tdap vaccination during pregnancy in preventing pertussis among infants less than 6 months of age in Argentina**  
C. Vizzotti\* (Buenos Aires, Argentina), V. Romanin, A. Acosta, M. Juarez, E. Briere, S. Sanchez, B. Lopez Cordoba, M. Sevilla, M. Lucion, A. Urrutia, S. Sagradini, T. Skoff
- P0028** **An outbreak of Legionnaires' disease occurred in an area of northwestern Italy**  
S. Montecchini\* (Parma, Italy), A. Calderaro, M. Martinelli, S. Larini, G. Piscopo, A. Ruggeri, A. Di Maio, M. Dell'anna, M. Buttrini, M. Arcangeletti, M. Medici, F. De Conto, C. Chezzi
- P0029** **The first surveillance and molecular characterization of environmental *Legionella pneumophila* strains isolated in Lithuania: a 4-year survey**  
P. Kavaliauskas\* (Prienai, Lithuania), I. Dežicaitė, D. Staradumskytė, R. Petraitienė, T. Walsh, S. Švambarytė, R. Staponkienė, R. Plančiūnienė, V. Petraitis
- P0030** **Do peripheral blood cultures taken in the emergency department influence the incidence of invasive pneumococcal disease?**  
A. Anesi\* (Lodi, Italy), B. Dominga, S. Asticcioli, V. Rognoni, M. Panceri, S. Paglia
- P0031** ***Nocardia*: prevalence in patients with suspected tuberculosis**  
A. Ramos\* (Porto, Portugal), T. Carvalho, M. Ribeiro, M. Toyokawa, J. Guimarães
- P0032** **Epidemiology and clinical characteristics of healthcare-associated and community-acquired pneumonia in an intensive care unit in Hungary**  
A. Mathe\* (Kistarcsa, Hungary), Z. Katona, I. Kremer

P002 15:30 – 16:30

## Community-acquired respiratory infections

- P0033** **An outbreak of beriberi among prisoners triggered by *Mycoplasma pneumoniae* infection, a provincial prison, Bueng Kan, Thailand July – December 2014**  
K. Saepueng\* [Buengkan, Thailand], R. Buathong, S. Wacharapluesadee, K. Chantee, T. Hemachudha
- P0034** **Occurrence of respiratory *Chlamydia pneumoniae* infections in Poland**  
I. Chudzicka-Strugala\* [Poznan, Poland], B. Zwoździak, O. Goślińska-Kuźniarek, A. Krasinska, A. Szkaradkiewicz
- P0035** **Diagnostic role of FDG-PET/CT in the management of fever of unknown origin**  
F. Mazzaferri\* [Verona, Italy], E. Biagi, S. Nicolè, G. Cucchetto, D. Grigolato, A. Azzini, E. Concia, A. Cazzadori
- P0036** **Chest CT for the diagnosis of pneumonia in elderly patients (PneumOldCT)**  
V. Prendki\* [Geneva, Switzerland], M. Scheffler, B. Huttner, C. Backer, S. Carballo, N. Garin, F. Herrmann, J. Janssens, L. Kaiser, A. Mamin, C. Marti, A. Perrier, S. Rosset-Zufferey, X. Roux, C. Serratrice, J. Serratrice, V. Soulier, J. Reny, X. Montet, J. Stirnemann
- P0037** **Bedside electronic nose breath analysis for the diagnosis of bacterial respiratory tract infection in hospital inpatients: a pilot study**  
J. Lewis\* [Liverpool, United Kingdom], R. Savage, N. Beeching, M. Beadsworth, N. Feasey, J. Covington
- P0038** **Usefulness of nucleic acid amplification techniques in the microbiological diagnostic framework of febrile acute chest syndrome in sickle cell disease: a prospective study**  
M. Giovanna\* [Créteil, France], A. Raffetin, A. Habibi, J. Decousser, S. Fourati, R. Lepeule, K. Razazi, M. Khellaf, P. Bartolucci, S. Gallien
- P0039** **Evaluation of a multiplex RT-PCR for the detection of respiratory bacterial pathogens**  
K. Wagner\* [Zurich, Switzerland], B. Springer, E. Böttger, P. Keller
- P0040** **Analytical sensitivity of a novel, rapid point-of-care (POC) urinary antigen diagnostic test for *Legionella* serogroups 3, 4 and 6**  
J. Tamerius\* [San Diego, United States], L. Grippa, R. Lollar
- P0041** **The bacterial 16S rDNA profiles of middle ear fluid collected from young children with acute otitis media: next generation sequencing combined with specific PCR assays**  
O. Cinek\* [Prague, Czech Republic], L. Kramna, S. Oikarinen, M. Sipilä, M. Rautiainen, J. Aittoniemi, J. Laranne, H. Hyoty, S. Sillanpää
- P0043** ***Streptococcus pneumoniae* presence in patients with AECOPD**  
D. Luznik\* [Jesenice, Slovenia], M. Ravnik, V. Tomic
- P0044** **Prevalence and clinical impact of *Streptococcus pneumoniae* nasopharyngeal carriage in solid organ transplant recipients**  
T. Cebreiro Canguero\* [Seville, Spain], M. Pachon-Ibáñez, C. Roca Oporto, F. Molina Ortega, Y. Smani, F. González Roncero, M. Gil Marqués, L. Marín Gómez, J. Pachon-Díaz, V. González Galán, E. Cordero Matias
- P0045** **Multidrug-resistant bacteria in lung pathologies in sputa from patients with cystic fibrosis, bronchiectasis, COPD and other pathologies.**  
I. Gómez-Alfaro\* [Valencia, Spain], M. Garrido Jareño, R. Chouman, M. Castano Aroca, I. Amara-Elori, A. Hernández-Cabezas, J. Sahuquillo-Arce, J. López-Hontangas
- P0046** **Inhaled colistin monotherapy for respiratory tract infections in adults without cystic fibrosis: a meta-analysis**  
G. Voulgaris\* [Athens, Greece], K. Vardakas, G. Samonis, M. Falagas
- P0047** **Increased resistance and emergence of pathogens in cystic fibrosis patients over time**  
J. Viñuelas\* [Zaragoza, Spain], M. Gómara, B. Vela, E. Morilla, J. Sahagún, A. Lopez-Calleja, J. Pereira Boan, A. Martinez-Sapiña, C. Martín, M. Revillo
- P0048** **Superinfection in hospitalized patients with community-acquired pneumonia: incidence, aetiology, antimicrobial resistance and prognosis**  
A. Simonetti\* [Barcelona, Spain], A. Blanchart, D. Viasus Perez, C. Ardanuy, J. Carratala
- P0049** **Predictors for individual patient antibiotic treatment effect in hospitalized community-acquired pneumonia patients**  
A. Simonetti\* [Barcelona, Spain], C. Van Werkhoven, V. Schweitzer, D. Viasus Perez, J. Carratala, D. Postma, J. Oosterheert, M. Bonten



- P0050** **The development of the Managing Your Infection Leaflet: a step-by step guide on how to manage your infection**  
C. Eley\* (Gloucester, United Kingdom), V. Young, C. Hayes, C. McNulty
- P0051** **Changes in pathogens and pneumococcal serotypes causing community-acquired pneumonia in the Netherlands**  
G. Wagenvoort\* (Nieuwegein, Netherlands), S. Vestjens, J. Grutters, B. Meek, B. Vlamincx, W. Bos, R. Ger, E. van de Garde
- P0052** **Admissions due to community-acquired pneumonia among patients with heart failure: an observational study**  
D. Curcio\* (Buenos Aires, Argentina), J. Herrera Paz, A. Cane
- P0053** **Empiric antibiotic treatment in patients hospitalized with non-severe community-acquired pneumonia in the Netherlands**  
I. van Heijl\* (Hilversum/Blaricum, Netherlands), V. Schweitzer, C. Van Werkhoven, P. Van der Linden, E. Boel, J. Dorigo-Zetsma, M. Bonten
- P0054** **Characterization of *Streptococcus pneumoniae* isolates responsible for invasive infections in Polish children before implementation of population-based vaccination**  
P. Ronkiewicz\* (Warsaw, Poland), A. Kuch, I. Wasko, M. Kiedrowska, A. Gołębiewska, I. Wróbel, W. Hryniewicz, A. Skoczynska
- P0055** **Head-to-head studies on the immune-response of the 13-valent (PCV13) and the 10-valent (PCV10) pneumococcal conjugate vaccine in infants**  
H. Sings\* (Collegeville, United States), J. Qin, B. Hilton, R. Isturiz
- P0056** **Pneumococcal serotypes associated with pneumococcal disease in adults with COPD**  
A. McGeer\* (Toronto, Canada), K. Green, W. Rudnick, J. Li, S. Pong-Porter, A. Plevneshi
- P0057** **Impact of pneumococcal antibacterial therapy on pneumonia outcome and inflammatory response: a comparative study between beta-lactam agents and linezolid**  
M. Benhamida\* (Nantes, France), J. Caillon, K. Asehnoune, C. Gras-Le-Guen, E. Launay, C. Jacqueline
- P0058** **Characterization of *Streptococcus pneumoniae* from the solithromycin global clinical trial programme in community-acquired pneumonia**  
G. Tillotson\* (Chapel Hill, United States), K. Keedy, A. Nenninger, A. Sheets, D. Oldach, B. Jamieson, J. Vidal
- P0059** **Serotype distribution among *Streptococcus pneumoniae* isolates causing complicated pneumonia in children in Portugal (2010–2015)**  
C. Silva-Costa\* (Lisbon, Portugal), S. Aguiar, M. Pinho, A. Friães, M. Ramirez, J. Melo-Cristino
- P0060** **Lower respiratory tract infections in the telavancin observational use registry (TOUR™)**  
B. Castaneda-Ruiz\* (South San Francisco, United States), D. Delaportas, A. Bressler, B. Nogid, A. Osmukhina
- P0061** **Effect of older age as independent risk factor for hospitalization for pneumonia and associated detrimental outcome in adults in Switzerland**  
W. Albrich\* (St. Gallen, Switzerland), F. Rassouli, F. Baty
- P0062** **Invasive pneumococcal diseases in pre-vaccine era in Algeria: circulating serotypes, antibiotic resistance and genetic characterization**  
H. Ziane\* (Algiers, Algeria), V. Manageiro, S. Zouagui, S. Azzoug, F. Henniche, R. Abi Ayad, A. Amina, K. Lassas, Z. Guechi, M. Naim, M. Tazir, M. Caniça
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- P003** **15:30 – 16:30**  
**Post-vaccine impact and epidemiology of pneumococci**
- P0063** **Persistent burden of invasive pneumococcal disease in adults in Germany**  
M. Van der Linden\* (Aachen, Germany), M. Imöhl
- P0064** **Pneumococcal serotype evolution in two European regions after introduction of PCV13: emergence of non-PCV13 serotypes in Veneto, northern Italy, and in Gipuzkoa, northern Spain**  
E. Santacatterina\* (Padua, Italy), M. Ercibengoa, G. Palu, J. Marimón Ortiz de Zárate
- P0065** **Impact of the 13-valent pneumococcal conjugate vaccine on invasive pneumococcal disease incidence in Navarra, Spain**  
A. Gil-Setas\* (Pamplona, Spain), C. Ezpeleta Baquedano, M. Guevara, J. Castilla, J. Díaz-Gonzalez, L. Fernandino, L. Torroba, L. Barrado, J. García-Irure

**P0066** Effectiveness of 23-valent pneumococcal polysaccharide vaccine against invasive pneumococcal diseases and non-invasive pneumococcal pneumonia among elderly patients aged ≥ 65 years: a case-control study  
J. Kim\* (Seoul, South Korea), Y. Yoon, W. Choi, J. Song, Y. Kim, I. Bae, D. Kim, Y. Oh, Y. Choi, Y. Jung, S. Kang, B. Chun, M. Kim

**P0067** Pneumococci serotypes distribution in community-acquired pneumonia (CAP) and non-bacteraemic pneumococcal pneumonia cases in adults in Spain according to the presence of underlying conditions using a new urinary antigen detection (UAD) test. The CAPA study  
A. Torres\* (Barcelona, Spain), P. España, R. Menendez, E. Pérez-Trallero, A. Martínez de la Fuente, J. López-Hontangas, F. Marco, J. Marimon, A. Uranga, A. Gimeno, C. Cilloniz Campos, M. Ercibengoa, C. Méndez, I. Cifuentes

**P0068** Cost-effectiveness of pneumococcal vaccination strategies for the elderly in Korea  
J. Heo\* (Cheongju, South Korea), Y. Seo, W. Choi, J. Lee, J. Noh, H. Jeong, W. Kim, H. Cheong, H. Lee, J. Song

**P0069** Serotype distribution of *Streptococcus pneumoniae* invasive isolates in Belarus during 2013–2016  
A. Davydov\* (Minsk, Belarus), L. Titov

**P0070** The Belgian nasopharyngeal carriage study of *S. pneumoniae* in healthy infants attending day-care centres: year 1 results  
I. Wouters\* (Wilrijk, Belgium), L. Van Heirstraeten, S. Desmet, J. Verhaegen, H. Goossens, P. Van Damme, S. Malhotra-Kumar, H. Theeten

**P004** 15:30 – 16:30

**Molecular diagnostics – respiratory, STI and novel approaches**

**P0071** Evaluation of *Bartonella henselae* by molecular and serological assays in different clinical specimens from patients with suspected cat scratch disease  
G. Bianco\* (Turin, Italy), C. Costa, F. Sidoti, G. Banche, V. Allizond, S. Scutera, A. Cuffini, T. Musso, R. Cavallo

**P0072** Metabolic fingerprints of different clinical conditions affecting the female genital tract  
A. Marangoni\* (Bologna, Italy), C. Foschi, L. Laghi, R. Cevenini, N. Banzola, V. Gaspari, A. D'Antuono

**P0073** Preliminary evaluation of Respiratory Flow Chip kit, a new method for the detection of the main agents involved in acute respiratory infection  
A. Olmo\* (Granada, Spain), C. Riazzi Damas, E. Lara, I. Pedrosa-Corral, M. Pérez-Ruiz, A. Ginel, S. Sanbonmatsu-Gámez, J. Navarro-Marí

**P0074** A multicentre workflow evaluation of the Luminex® ARIES® system: comparison to automated sample-to-answer and manual molecular diagnostic platforms  
S. Dunbar\* (Austin, United States), S. Das, B. Jackson

**P0075** Strengthening molecular-microbiology education for pathogen detection and surveillance in a scientifically resource-poor setting  
O. Ojo\* (Albany, United States), B. Iwalokun, A. Onipede

**P0076** Loop-mediated isothermal DNA amplification (LAMP) on a lab-on-a-disc (LOAD) platform for the detection of *Mycobacterium tuberculosis*  
I. Law\* (Shatin, Hong Kong), S. Kong

**P0077** A case of disseminated tuberculosis infection in a severely immunocompromised patient after haematopoietic stem cell transplantation, only diagnosed by digital PCR using circulating cell-free DNA  
Y. Masaki\* (Yokohama, Japan), R. Ushio, H. Watanabe, T. Tachibana, M. Tanaka, T. Yokose, J. Tsukiji, H. Nakajima, T. Kaneko

**P0078** GeneXpert MTB/RIF for diagnosis of tuberculosis in a Spanish secondary hospital  
G. Abelenda Alonso\* (Madrid, Spain), M. Corbacho Loarte, M. Paez, E. Malmierca, P. Moreira Escriche, C. Peiró Villalba, M. Delgado Heredia, I. Montes Rodríguez

**P0079** Impact of the sample swabs on the results of real-time PCR for the detection of *Chlamydia trachomatis* and *Neisseria gonorrhoeae* (Xpert CT/NG, Cepheid) in cervicovaginal samples  
B. Heym\* (Paris, France), Z. Dahmane, F. Lapierre, M. Zeller, A. Gabarre, M. Gavinet, D. Le Corre, S. Esteves, E. Klein

**P0080** Performance of the Speedx *M. genitalium* ResistancePlus evaluation kit for detecting mutations that confer macrolide resistance in *Mycoplasma genitalium*  
R. Pitt\* (London, United Kingdom), M. Cole, H. Fifer, N. Woodford

- P0081** Development of multiplex real-time PCR for *Mycoplasma pneumoniae* macrolide resistance (A2063G and A2064G) and validation in Korean nationwide reference laboratory  
K. Roh\* (Seoul, South Korea), M. Nam, S. Lee, Y. Yang, H. Park, H. Shim, S. Lee
- P0082** Clinical performance of the GenePOC GBS DS assay for the detection of the *cfb* gene directly from vaginal/rectal swabs specimens from *intrapartum* women  
S. Chapdelaine\* (Québec, Canada), M. Vallée, A. Huletsky, G. Beaudry, M. Bergeron
- P0083** Evaluation of the new molecular transport medium (Sigma MM) for the inactivation of bacterial pathogens and release of the intact DNA  
S. Monika\* (Corsham, United Kingdom), J. Laughlin
- P0084** Contribution of multiplex PCR Unyvero in ventilator-associated pneumonia diagnosis  
C. Rouard\* (Clamart, France), C. Guillet-Caruba, V. Sordoillet, P. Trouiller, F. Doucet-Populaire, B. Sztrymf
- P0085** Multicentre study on the improved identification of non-tuberculous mycobacteria with MALDI-TOF MS using three different preprocessing protocols  
M. Simon\* (Madrid, Spain), M. Simon, F. Alcaide, G. Bou Arevalo, P. Coll, M. Fangous, R. Gorton, J. Hrabak, G. Hery-Arnaud, A. Ingebretsen, I. Mareković, J. O'Connor, D. Orth-Hoeller, M. Oviaño García, J. Palacios, A. Pranada, M. Ruiz-Serrano, L. Seagar, G. Tudó, A. Van den Bossche, B. Rodriguez-Sanchez
- P0086** A fully automated system using novel LAMP platform enabling rapid diagnosis  
S. Sano\* (Tochigi, Japan), M. Sato, S. Yuki, M. Hamasaki, Y. Onuma, A. Shoji, S. Semba, T. Yonekawa, Y. Segawa, H. Watanabe, T. Notomi
- P0087** Evaluation of nanoparticles for the concentration and detection of bacteria in broncho-alveolar lavage using LAMP  
A. Aira\* (Barcelona, Spain), J. Hurtado Negreiros, M. Ferrer Navarro, G. Planells, M. Navarro, C. Ballesté, L. Muñoz, J. Puig, J. Bosch, M. Martínez, F. Marco, J. Vila
- P0088** Evaluation of BD MAX platform for diagnosis of atypical community-acquired pneumonia.  
M. Iñigo\* (Badalona, Spain), A. Coello, G. Reina, B. Rivaya Sanchez, M. Carrasco, J. Leiva, L. Matas Andreu
- P0089** Validation and implementation of a diagnostic algorithm for the detection of DNA from *Bordetella pertussis*, *B. parapertussis* and *B. holmesii*, based on sequential multiplex and singleplex qPCRs  
A. Valero Valero\* (Esplugues, Spain), A. Valero-Rello, D. Henares-Bonilla, Y. Jordan García, G. Carmona Parcerisa, A. Perez-Argüello, L. Acosta, M. Jané, C. Muñoz-Almagro
- P0090** Enhancing the diagnosis of oral and respiratory tract infections by rapid nucleic acid assays specifically developed for a point-of-care platform  
C. Herz\* (Vienna, Austria), U. Giese, J. Ackermann, K. Mitsakakis, O. Strohmeier, M. Rombach, M. Specht, T. Thurnheer, B. Kai, H. Luethi-Schaller, G. Belibasakis, N. Bostanci, J. Hays, W. Kaman, C. Cocaud, C. Estephan, J. Peham

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**P005 15:30 – 16:30**
**Infection control for MRSA and VRE**
**P0091 MRSA pneumonia: still a concern in Germany? A burden of disease analysis using big data from 70 hospitals**

M. Wilke\* (Munich, Germany), W. Heinlein, D. Kuessner, J. Posthumus, K. Bodmann

**P0092 National MRSA bacteraemia surveillance in the genomic era – opportunities and challenges**

M. Toleman\* (Cambridge, United Kingdom), S. Reuter, H. Brodrick, B. Blane, R. Hope, A. Kearns, J. Parkhill, S. Peacock, E. Török

**P0093 Extensive cryptic transmission of MRSA revealed by population-based longitudinal genomic surveillance**

F. Coll I Cerezo\* (London, United Kingdom), E. Harrison, M. Toleman, S. Reuter, B. Blane, N. Brown, E. Torok, J. Parkhill, S. Peacock

**P0094 Successful MRSA eradication in a horse and its owner**

E. Broens\* (Utrecht, Netherlands), J. Kluytmans, E. Weterings, M. Theelen, I. Van Geijlswijk, J. Wagenaar

**P0095 Are universal chlorhexidine gluconate baths associated with an increased prevalence of antiseptic resistance *qac* genes in methicillin-resistant *Staphylococcus aureus*?**

P. Hon\* (Singapore, Singapore), V. Lim, A. Chow

- P0096** **Effect of universal ICU decolonization on the acquisition of methicillin-resistant *Staphylococcus aureus* (MRSA) and MRSA bloodstream infection in a medical intensive care unit**  
S. Lee\* (Anyang-si, South Korea), Y. Chung, K. Shin, J. Kim
- P0097** **MRSA decolonization failure due to biofilm formation**  
F. Guenther\* (Heidelberg, Germany), E. Tacconelli, B. Blessing, N. Mutters
- P0098** **Evaluation of a methicillin-resistant *Staphylococcus aureus* contact-screening strategy in a low-prevalence setting**  
C. Casanova\* (Bern, Switzerland), M. Baechli, M. Kueffer, S. Droz, J. Marschall, R. Sommerstein
- P0099** **Multiple independent acquisitions of the putative pathogenicity island ACME by ST22-MRSA in the UK**  
A. Kearns\* (London, United Kingdom), S. McTavish, M. Doumith, L. Harwin, C. Kulishev, M. Ganner, B. Pichon
- P0100** **Environmental dissemination and persistence of methicillin-resistant *Staphylococcus capitis* in a neonatal intensive care unit**  
M. Butin\* (Bron, France), Y. Dumont, P. Martins Simoes, A. Raphard, J. Picaud, F. Laurent
- P0101** **Investigation of a successful *vanA* *Enterococcus faecium* clonal group in the capital region of Denmark, 2012–2015, using short-read and long-read sequencing**  
H. Westh\* (Hvidovre, Denmark), M. Pinholt, S. Bayliss, H. Gumpert, V. Vorobieva, M. Pedersen, P. Worning, E. Feil
- P0102** **Molecular epidemiology of VRE blood culture isolates from a university hospital in Germany**  
T. Holzmann\* (Regensburg, Germany), H. Melzl, A. Hiergeist, C. Tuschak, D. Jonas, F. Hitzenbichler, U. Reischl, B. Salzberger, W. Schneider
- P0103** **Analysis of two years of sequential outbreaks of vancomycin-resistant *Enterococcus faecium* at a tertiary care hospital using whole-genome sequencing**  
M. Abdelbary\* (Lausanne, Switzerland), E. Moulin, A. Kenfak Faguena, D. Berthod, G. Greub, D. Hequet, G. Zanetti, L. Senn, D. Blanc
- P0104** **Novel approaches to unlabel VRE-suspected labelled patients**  
N. Arents\* (Veldhoven, Netherlands), J. Fonville, P. Das, L. Van Dommelen
- P0105** **Whole-genome sequencing of vancomycin-resistant *Enterococcus faecium* (VREfm) in a low-incidence area suggests unrecognized transmission**  
A. Holm\* (Odense, Denmark), L. Andersen, M. Skov, M. Kemp
- P0106** **Collateral benefits of infection prevention measures for vancomycin-resistant *Enterococcus faecium* outbreaks: an interrupted time-series analysis**  
T. Verschuuren\* (Utrecht, Netherlands), W. Rottier, D. Van Dam, E. Huijskens, M. Tersmette, A. Troelstra, A. Voss, M. Bonten
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- P006** **15:30 – 16:30**  
**MRSA and MSSA: epidemiology and resistance**
- P0107** **USA300 and its variants are the most commonly imported methicillin-resistant *Staphylococcus aureus* to Europe**  
D. Nurjadi\* (Heidelberg, Germany), P. Zanger
- P0108** **Genetic diversity and within-host microevolution of MRSA USA300 from SSTIs in Israel**  
A. Rokney\* (Jerusalem, Israel), M. Baum, E. Anuka, O. Snitser, L. Valinsky, V. Agmon, R. Kishony, I. Yelin
- P0109** **Evaluation of the use of pooled eSwab (Copan) transport medium as input sample for Xpert MRSA NxG (Cepheid) PCR assay**  
C. Trouve\* (Maldegem, Belgium), E. De Laere, R. De Smedt
- P0110** **Invasive infections: who wins on the battlefield of France in 2015: CC152-MSSA-PVL+, USA300-MRSA-PVL+ or ST80-MRSA-PVL+**  
C. Gustave\* (Bron, France), L. Bonnichon, C. Bouchiat, M. Bes, F. Laurent, F. Vandenesch, A. Tristan
- P0111** **Prevalence and molecular characterization of *Staphylococcus aureus* isolated from food product in Algeria**  
C. Wafaa\* (Marseille, France), N. Chaalal, N. Bourafa, M. Kihal, S. Diene, J. Rolain
- P0112** **The microbiota of dairy farmers reflects occupational exposure and exhibits *Staphylococcus* resistance**  
S. Shukla\* (Marshfield, United States), Z. Ye, S. Sandberg, I. Reyes, T. Fritsche, M. Keifer
- P0113** **CC398 *Staphylococcus aureus* subpopulations in Belgian patients**  
S. Roisin\* (Brussels, Belgium), M. Argudin, M. Dodemont, C. Nonhoff, A. Deplano, D. Olivier

- P0114** **Massive dissemination of MRSA-ST398 among swine and swine workers in Portugal**  
M. Aires de Sousa\* (Lisbon, Portugal), T. Conceição, H. De Lencastre
- P0115** **Next-generation sequencing shows that persons can persistently carry the same livestock-associated MRSA strain for more than two years**  
T. Bosch\* (Bilthoven, Netherlands), L. Schouls
- P0116** **Molecular detection and prevalence of *Staphylococcus aureus* and of methicillin-resistant *S. aureus* (MRSA) in raw cow's milk obtained from dairy supermarkets and bulk tank milk from northwest Iran**  
R. Modaresi\* (Urmia, Iran), H. Tajik, K. Mardani, M. Moradi, H. Ghasemmahdi
- P0117** **Clinical impact and prevalence of MRSA CC398 in an area of Spain with high density of pig farming**  
E. Reynaga Sosa\* (Vic, Spain), C. Torres, M. Garcia, M. Navarro, A. Vilamala, M. Sabrià
- P0118** **Typing of staphylococcal *SCCmec* elements using DNA microarrays**  
S. Monecke\* (Jena, Germany), D. Gawlik, E. Mueller, A. Reissig, A. Ruppelt-Lorz, P. Slickers, R. Ehricht
- P0119** **Changing epidemiology of methicillin-resistant *Staphylococcus aureus* in Serbia over a twenty-year period**  
I. Cirkovic\* (Belgrade, Serbia), A. Janjusevic, M. Mraovic, Z. Lepsanovic, N. Konstantinovic, J. Trajkovic, S. Djukic, A. Larsen
- P0120** **High prevalence of Panton-Valentine leukocidin among methicillin-resistant *Staphylococcus aureus* from refugees in the Netherlands, 2014–2015**  
R. Deurenberg\* (Groningen, Netherlands), A. Ott, D. Himmels, S. Ravensbergen, J. Rossen, A. Friedrich
- P0121** **Introduction of *Staphylococcus aureus* CC239 belonging to the Asian clade in Denmark from patients with a recent travel history**  
J. Coppens\* (Wilrijk, Belgium), B. Xavier, J. Larsen, C. Lammens, A. Larsen, H. Goossens, S. Malhotra-Kumar
- P0122** **Molecular epidemiology of MRSA isolated in maternity hospital – a 5-year trend: is it the right time to introduce an antenatal screening programme for our population?**  
N. Al-Sweih\* (Al-Fintas, Kuwait), S. Khan, E. Udo
- P0123** **Use of WGS based technologies to monitor transmission of MRSA in nosocomial settings**  
C. Riva\* (Soresina, Italy), A. Trovato, R. Baldan, F. Gona, M. Moro, P. Nizzero, A. Biancardi, P. Cichero, P. Scarpellini, P. Tadini, C. Del Curto, D. Cirillo
- P0124** **Molecular-epidemiological features of MRSA in central Kazakhstan**  
A. Lavrinenko\* (Karaganda, Kazakhstan), M. Solomadin, I. Azizov, E. Serbo, S. Kolesnichenko
- P0125** **Deciphering a rare methicillin-resistant *Staphylococcus aureus* strain: genome sequencing and molecular characterization of CC15-MRSA**  
A. Senok\* (Dubai, United Arab Emirates), A. Somily, P. Slickers, A. Raji, G. Garaween, A. Shibl, S. Monecke, R. Ehricht
- P0126** **Molecular characterization of *Staphylococcus aureus* isolates associated with nasal colonization among healthcare workers in a tertiary care facility**  
A. Senok\* (Dubai, United Arab Emirates), A. Somily, A. Raji, G. Garaween, M. Kabil, A. Shibl, S. Monecke, R. Ehricht
- P0127** **Emergence of a new ST5 MRSA clone in France in the last decade**  
F. Laurent\* (Lyon, France), P. Martins Simoes, O. Barraud, M. Bes, V. Tafani, F. Garnier
- P0128** **Nasal bacterial carriage among Hungarian children with a focus on *Staphylococcus aureus***  
E. Kovács\* (Budapest, Hungary), J. Sahin-Tóth, T. Tirczka, A. Tothpal, O. Dobay
- P0129** **Emergence of *mecC Staphylococcus aureus* in Denmark – indications that *mecC S. aureus* is not primarily livestock associated**  
C. Holten Møller\* (Copenhagen, Denmark), C. Barnadas, A. Larsen, K. Mølbak, A. Koch
- P0130** **MIC creep to vancomycin in China: data from a teaching hospital and a systemic review and pooled analysis**  
J. Zhang\* (Shanghai, China), S. Huang, J. Qu
- P0131** **A targeted metagenomic assessment of the nasal resistome among two populations India and The Netherlands: a cross-sectional study**  
C. von Wintersdorff\* (Maastricht, Netherlands), S. Majumder, J. Penders, L. Van Alphen, C. Hoebe, P. Wolffs
- P0133** **Do the distribution of antiseptic-resistance genes *qacA* and *smr* of methicillin-resistant *Staphylococcus aureus* differ across strains and healthcare settings?**  
P. Hon\* (Singapore, Singapore), V. Lim, A. Chow



- P0134** **Absence of correlation between vancomycin consumption and minimum inhibitory concentration of methicillin-resistant *Staphylococcus aureus***  
C. Würdig Riche\* (Porto Alegre, Brazil), D. Falci, C. Dias, R. Cassol, J. Ferreira
- P0135** **Methicillin-resistant *Staphylococcus aureus* (MRSA) with reduced susceptibility to glycopeptides: a 10-year retrospective study**  
P. Maver Vodica\* (Ljubljana, Slovenia), M. Pirs, R. Kofol, T. Lejko Zupanc, M. Mueller-Premru, K. Seme, N. Svent-Kucina
- P0136** **Frequent occurrence of trimethoprim-sulfamethoxazole hetero-resistant *Staphylococcus aureus* isolates in African countries**  
M. Aires de Sousa\* (Lisbon, Portugal), C. Coelho, H. De Lencastre
- P0137** **Dalbavancin-induced glycopeptide/lipoglycopeptide resistance in a patient with suspected foreign body endocarditis**  
M. Kussmann\* (Vienna, Austria), M. Obermüller, M. Ramharter, S. Winkler, F. Thalhammer, A. Makristathis, H. Burgmann, H. Lagler
- P0138** **Dalbavancin tested against *Staphylococcus aureus* and isolates with decreased susceptibility to glycopeptides and/or lipopeptides from European hospitals (2012–2016)**  
R. Mendes\* (North Liberty, United States), M. Huband, M. Pfaller, R. Flamm, H. Sader
- P0139** **Updated analysis of oritavancin activity against Gram-positive clinical isolates responsible for documented skin and skin structure infections in United States and European hospitals (2014–2016)**  
R. Mendes\* (North Liberty, United States), H. Sader, M. Huband, J. Streit, R. Flamm
- P0140** **Mutations associated with daptomycin resistance in *Staphylococcus aureus* clinical isolates**  
J. Munoz-Bellido\* (Salamanca, Spain), N. Gómez Casanova, M. Siller Ruiz, R. Sánchez Silos, M. Sánchez Alor, S. Hernández Egido, P. Martín Cordero, M. Fajardo Olivares
- P0141** **Inoculum effect of methicillin-susceptible *Staphylococcus aureus* against broad-spectrum  $\beta$ -lactam antibiotics**  
S. Lee\* (Busan, South Korea), K. Song, E. Kim, W. Park, S. Jung, K. Park, Y. Kim, S. Lee, Y. Kim, Y. Kwak, H. Jang, K. Kwon, S. Kiem, N. Kim, M. Oh, H. Kim
- P0142** ***In vitro* activity of ceftaroline against pathogens isolated from infants <1 year old collected from the AWARE surveillance programme, 2014–2015**  
M. Hackel\* (Schaumburg, United States), J. Laconis, D. Sahm
- P0143** **Comparison of *in vitro* activity of ceftaroline against *Staphylococcus aureus* from in- and outpatients from the AWARE surveillance programme, 2014–2015**  
M. Hackel\* (Schaumburg, United States), J. Laconis, D. Sahm
- P0144** **The investigation of *in vitro* activity of ceftaroline, vancomycin and teicoplanin for methicillin-resistant *Staphylococcus aureus* isolates**  
M. Kaya\* (Istanbul, Turkey), O. Karatuna, I. Akyar
- P0145** **Loss and regain of fitness in ceftobiprole non-wild Type MRSA isolates**  
F. Hansen\* (Copenhagen, Denmark), A. Petersen, A. Santerre Henriksen, A. Larsen
- P0146** **Antimicrobial activity of ceftobiprole versus other currently marketed cephalosporins and  $\beta$ -lactams when tested against contemporary Gram-positive and -negative organisms collected from Europe (2015)**  
R. Flamm\* (North Liberty, United States), L. Duncan, J. Streit, M. Castanheira, H. Sader
- P0147** **Penicillinase detection in *Staphylococcus aureus*: how easy and reliable is the penicillin zone-edge determination?**  
A. Soares\* (Rouen, France), L. Lemee, S. Boyer, N. Frebourg, S. Skalli, S. Dahyot, M. Pestel-Caron
- P0148** **Mutations at the ribosomal S10 gene in *Staphylococcus aureus* with reduced susceptibility to tigecycline**  
S. Roisin\* (Brussels, Belgium), M. Argudín, M. Dodemont, C. Nonhoff, A. Deplano, D. Olivier
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- P007** **15:30 – 16:30**
- MIC and disc diffusion methods – revisited**
- P0149** **What are we missing when epidemiological cut-offs are not used to evaluate ampicillin phenotypes among *Enterococcus faecium*?**  
C. Novais\* (Senhora da Hora, Portugal), A. Freitas, A. Pereira, B. Duarte, F. Mendes, T. Coque, L. Peixe
- P0150** **EUCAST zone diameter breakpoints for ceftolozane-tazobactam and Enterobacteriaceae**  
J. Ahman\* (Växjö, Sweden), E. Matuschek, G. Kahlmeter

- P0151** Significant discordance in amoxicillin-clavulanate phenotyping methods and genotypic attribution of phenotypic “resistance” for clinical *Escherichia coli* isolates  
T. Davies\* (Oxford, United Kingdom), N. Stoesser, M. Abuoun, H. Phan, D. Griffiths, A. Sheppard, T. Peto, N. Woodford, D. Crook, M. Anjum, A. Walker
- P0152** *In vitro* activity of ceftazidime/avibactam against carbapenem-resistant *Klebsiella pneumoniae* isolates  
E. Protonotariou\* (Thessaloniki, Greece), P. Dignonis, O. Vasilaki, D. Papadopoulou, G. Kagkalou, M. Kachrimanidou, A. Tsocha, M. Veleni, V. Draganoudis, L. Vaitsidou, G. Sgouropoulos, S. Metallidis, L. Skoura
- P0153** Meropenem susceptibility testing – comparison of broth microdilution and VITEK2 in a multicentre study – results from the NordicAST CPE study  
B. Haldorsen\* (Tromsø, Norway), C. Giske, D. Hansen, K. Helgason, G. Kahlmeter, I. Løhr, E. Matuschek, M. Österblad, K. Rantakokko-Jalava, M. Wang, A. Sundsfjord, O. Samuelsen
- P0154** Ceftazidime-avibactam: evaluation of performance in the BD Phoenix automated antimicrobial susceptibility test system  
D. Turner\* (Sparks, United States), M. Gosnell, W. Brasso
- P0155** Evaluation of beta-lactam gradient tests (Etest, M.I.C.E. and MIC Test Strip) for *Streptococcus pneumoniae*  
A. Varga\* (Växjö, Sweden), C. Karlsson, G. Kahlmeter, E. Matuschek
- P0156** Evaluation of fosfomycin susceptibility testing (ST) against carbapenem-resistant Gram-negative (CR-GN) isolates from urinary tract and fosfomycin treatment outcome in kidney transplant recipients (KTx)  
C. Godoy Carvalhaes\* (São Paulo, Brazil), A. Cury, A. Ramos, D. Santos, A. Braga, T. Chagas-Neto, A. Gales
- P0157** Impact of mutations in main fosfomycin-related resistance genes on *Escherichia coli* MIC  
M. Ballester Tellez\* (Seville, Spain), F. Docobo Perez, I. Portillo Calderón, J. Rodriguez Martinez, M. Ramos-Guelfo, J. Blazquez, J. Rodríguez-Baño, A. Pascual Hernandez
- P0158** Increasing resistance to fosfomycin and nitrofurantoin in Enterobacteriaceae from urine specimens in the Cologne metropolitan area  
P. Hartmann\* (Cologne, Germany), H. Wisplinghoff, U. Aurbach, E. Kruse, S. Wirth, A. Nowag, T. Hoppe, H. Wisplinghoff
- P0159** EUCAST zone diameter breakpoints for fosfomycin and *Escherichia coli*  
E. Matuschek\* (Växjö, Sweden), M. Wootton, J. Ahman, L. Davies, R. Howe, G. Kahlmeter
- P0160** EUCAST zone diameter breakpoints for ceftazidime-avibactam  
E. Matuschek\* (Växjö, Sweden), L. Koeth, J. Ahman, G. Stone, G. Kahlmeter
- P0161** Evaluation of five commercial MIC methods for colistin antimicrobial susceptibility testing for Gram-negative bacteria  
E. Matuschek\* (Växjö, Sweden), J. Ahman, C. Webster, G. Kahlmeter
- P0162** ISO 20776 evaluation of MIC determination of Gram-negative organisms with cephalosporin antimicrobials using the Thermo Scientific Sensititre susceptibility system  
S. Maysent\* (Kansas City, United States), E. Scopes, J. Screen
- P0163** Performance of the Accelerate Pheno™ system in processing blood culture sample 16-hours post-positivity  
S. Metzger\* (Tucson, United States), D. Engbersen, J. Englert, J. Johansen
- P0164** Methicillin resistance in coagulase-negative staphylococci – can we use the same screening breakpoints for all species?  
J. Ahman\* (Växjö, Sweden), E. Matuschek, C. Webster, G. Kahlmeter
- P0165** Proposed breakpoints for rapid antimicrobial susceptibility testing with disk-diffusion tests direct from positive blood cultures for *Escherichia coli*, *Klebsiella pneumoniae*, *Staphylococcus aureus* and *Streptococcus pneumoniae*  
E. Jonasson\* (Växjö, Sweden), E. Matuschek, M. Sundqvist, G. Kahlmeter
- P0166** Screening for quinolone resistance in *E. coli*.  
A. Hällgren\* (Linköping, Sweden), L. Dellgren, C. Claesson, M. Högdahl, J. Forsberg, L. Nilsson, H. Hanberger
- P0167** Antimicrobial susceptibility testing of lactobacilli: CLSI guideline versus ISO/IDF standard  
S. Mayrhofer\* (Vienna, Austria), U. Zitz, F. Birru, D. Gollan, A. Golos, W. Kneifel, K. Domig

**P0168** **Comparative evaluation of telavancin MIC determination with the new version of Etest TLA and new CLSI broth microdilution method**  
*V. Sauvonnnet\* [La Balme-les-Grottes, France], J. Smart, E. Escoffier, D. Halimi, M. Roland, G. Zambardi*

**P0169** **Are Vitek2 system and E-test relevant and reliable for determining susceptibility to temocillin?**  
*V. Clotilde\* [Liège, Belgium], F. Fripiat, J. Descy, C. Meex, P. Melin, V. Mistretta, F. Van Bambeke, N. Lajios*

**P008** **15:30 – 16:30**

**Rapid antimicrobial susceptibility testing methods**

**P0170** **Novel 30-minute phenotypic MRSA/MSSA identification and differentiation assay**  
*W. Von Stein\* [Düsseldorf, Germany], V. Hermanns, M. Hennig, C. Hack, H. Mannsperger*

**P0171** **An antibiotic stewardship programme (ASP) blueprint for optimizing Verigene BC-GN within an institution: a tale of two cities**  
*J. Pogue\* [Detroit, United States], K. Claeys, E. Heil, J. Johnson, P. Lephart, R. Mynatt, H. Salimnia*

**P0172** **mariAST methodology for real-time and rapid phenotypic AST enables species-specific detection directly from clinical samples down to 1 CFU/well**  
*J. Koskinen\* [Turku, Finland], P. Antikainen, J. Soukka, M. Gunell*

**P0173** **Rapid detection of carbapenem non-susceptibility by MALDI-TOF mass spectrometry using a novel direct-on-target microdroplet growth assay**  
*E. Idelevich\* [Münster, Germany], K. Sparbier, M. Kostrzewa, K. Becker*

**P0174** **Rapid automated detection of the plasmid-mediated quinolone resistance determinant *AAC(6')-Ib-cr* in Enterobacteriaceae by MALDI-TOF MS**  
*M. Oviaño García\* [La Coruña, Spain], M. Gómara, K. Sparbier, M. Revilla, G. Bou Arevalo*

**P0175** **Development of a novel protocol for the rapid detection of ESBL-producing Enterobacteriaceae by MALDI-TOF MS**  
*M. Oviaño García\* [La Coruña, Spain], M. Gómara, I. Torres, M. Barba Miramontes, M. Revilla, L. Barbeito, G. Bou Arevalo*

**P0176** **Rapid colorimetric third-generation cephalosporin-resistance detection in Enterobacteriaceae from positive blood cultures**  
*A. Van den Abeele\* [Ghent, Belgium], J. Van Acker, L. Van Vlasselaer, C. Verfaillie*

**P0177** **Rapid and direct antimicrobial susceptibility testing from positive blood cultures using MicroScan WalkAway system and disk diffusion test**  
*A. López-Calleja\* [Zaragoza, Spain], R. Núñez Medina, C. Villuendas Usón, P. Pilar, E. Morilla, B. Vela, M. Gómara, M. Vicente, V. Arnal, A. Rezusta, M. Revilla*

**P0178** **Difference in beta-lactamase inhibitor activity measured by MALDI-TOF hydrolysis assay against ESBL-producing *Escherichia coli***  
*N. Matsuda\* [Tokyo, Japan], M. Matsuda, Y. Uehara, A. Nakamura, H. Ikari, K. Kikuchi*

**P0179** **Evaluation of the Accelerate DX PhenoTest BC ID/AST system versus current standard of care and potential impact on antimicrobial stewardship and patient care**  
*S. Kidd\* [Basingstoke, United Kingdom], J. Ellis, S. Munro, G. Lockyer, K. Saeed, C. Thomas, N. Cortes, N. Hutchinson*

**P0180** **Predicting antibiotic resistance from the proteome of clinical isolates using LC-MS/MS**  
*Y. Takebayashi\* [Bristol, United Kingdom], K. Heesom, W. Wan Ahmad Kamil, J. Zhang, K. Bowker, A. MacGowan, M. Avison*

**P0181** **SpecifAST: rapid, low cost and automatable MIC determination directly from positive blood culture**  
*P. Singh\* [Mountain View, United States], E. Fetsch, H. Siegel, S. Chakravorty, R. Burwell, M. Eiden, S. Shenai, P. Singh, S. Lim, D. Alland, P. Rhodes*

**P0182** **The last emergency message of bacterial cells treated with antimicrobial agents**  
*J. Surre\* [La Balme-les-Grottes, France], K. Ramjeet, F. Mallard, I. Matic, C. Saint-Ruf*

**P0183** **QuantaMatrix-Rapid antimicrobial susceptibility testing is available to accurately diagnose susceptibility to amikacin in *Acinetobacter baumannii***  
*M. Park\* [Seoul, South Korea], M. Han, B. Jeong, D. Kim, S. Song, T. Kim, S. Kwon*

**P0184** **Identification and rapid susceptibility testing of Gram-negative bacteria directly from urine samples using semi-quantitative MALDI-TOF MS**  
*J. Jung\* [Munich, Germany], B. Gross, C. Hamacher, K. Sparbier, M. Kostrzewa, S. Schubert*

**P0185** **FASTinov flow cytometric kit: a novel tool for evaluation of piperacillin/tazobactam susceptibility profile**  
*C. Pina-Vaz\** (Porto, Portugal), I. Martins-Oliveira, R. Teixeira-Santos, N. Arêde-Marques, A. Silva-Dias, S. Costa-de-Oliveira, A. Silva, A. Rodrigues

**P0186** **Rapid detection of methicillin-resistant *Staphylococcus aureus* (MRSA) by detection of phenol-soluble modulins (PSM) using MALDI-TOF mass spectrometry by extended direct transfer (eDT) and direct transfer (DT) methods**  
*P. Lagacé-Wiens\** (Winnipeg, Canada), V. Tran, J. Karlowsky, H. Adam, M. Baxter, M. Mulvey, G. Zhanel, D. Hoban

**P009** **15:30 – 16:30**

#### Typing of bacterial pathogens

**P0187** **Serotyping of pneumococci using FT-IR spectroscopy**  
*I. Burckhardt\** (Heidelberg, Germany), S. Zimmermann, N. Mauder, M. Kostrzewa

**P0188** **Comparative prevalence of superantigenic toxin genes in methicillin-resistant *Staphylococcus aureus* isolated from hospitalized patients in Malaysia and Saudi Arabia**  
*M. Alreshidi\** (Albukairiyah, Saudi Arabia)

**P0189** **Multi-dimensional sequence type (MDST): an universal sequence typing system**  
*V. Fernandez Lanza\** (Madrid, Spain), F. Baquero, T. Coque

**P0190** **Application of whole-genome sequencing for tracing MRSA transmission in infection control: a pilot study from Stockholm, Sweden**  
*H. Fang\** (Stockholm, Sweden), I. Fröding, M. Ullberg, C. Giske

**P0191** **Molecular epidemiological characteristics of *Streptococcus dysgalactiae* subsp. *equisimilis* isolates from Korea**  
*S. Kim\** (Changwon, South Korea), J. Byun, W. Choi, T. Takahashi

**P0192** **Molecular characterization of multidrug-resistant *Pseudomonas aeruginosa* in the intensive care units (ICUs) of a tertiary care university hospital in Spain**  
*A. Rezusta\** (Zaragoza, Spain), M. Millán-Lou, M. Ruiz, C. Jaques, C. Seron, S. Samper, A. Lopez-Calleja, M. Revilla

**P0193** **Complete genome sequences for *mcr-1* encoding *Escherichia coli* and *Salmonella* in the Netherlands**  
*M. Brouwer\** (Lelystad, Netherlands), K. Veldman, F. Harders, A. de Boer, D. Ceccarelli, A. Van Essen-Zandbergen, D. Mevius, A. Bossers

**P0194** **Molecular characterization of *Staphylococcus aureus* isolates obtained from slaughtered pigs and abattoir workers in Gauteng, South Africa**  
*M. Ehlers\** (Pretoria, South Africa), N. Schoonraad, M. Kock, G. Van der Zel, P. Geertsma

**P0195** **Genetic relatedness of *Enterococcus faecalis* and *Enterococcus faecium* from slaughtered pigs and abattoir workers in Gauteng, South Africa**  
*M. Ehlers\** (Pretoria, South Africa), N. Schoonraad, M. Kock, G. Van der Zel, P. Geertsma

**P0196** **Antibiotic resistance profiles of MRSA derived from phenotypic and whole-genome sequencing data**  
*P. Mölling\** (Örebro, Sweden), S. Thulin Hedberg, B. Stenmark, M. Johansson, P. Jens, W. Paulander, M. Sundqvist

**P0197** **Occurrence of persistent *K. pneumoniae* bacteraemia in adult patients in Spain**  
*M. Cubero\** (Barcelona, Spain), D. Berbel Palau, I. Grau, R. Pallares, S. Marti, M. Domínguez Luzon, C. Ardanuy Tisaire

**P0198** **The optimization and utilization of whole-genome sequencing to characterize isolates and determine the transmission events involved in a MupR-MRSA outbreak**  
*S. Mairead\** (Dublin, Ireland), C. Judge, P. Buckley

**P0199** **Genomic analysis of *Streptococcus agalactiae* (group B *Streptococcus*) causing neonatal late-onset disease**  
*E. Jauneikaite\** (London, United Kingdom), G. Kapatai, J. Coelho, F. Davies, K. Bamford, S. Godambe, I. Gozar, A. Holmes, E. Brannigan, T. Galletly, Y. Chow, V. Chalker, S. Sriskandan

**P010** **15:30 – 16:30**

#### *Escherichia coli* sequence type 131 and other clones

**P0200** **High-resolution analysis of the globally disseminated multidrug-resistant *Klebsiella pneumoniae* clonal groups 14 and 15**  
*C. Rodrigues\** (Porto, Portugal), V. Fernandez Lanza, E. Machado, L. Peixe, A. Novais, T. Coque

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P0201</b>                              | <b>Novel multiplex PCR assay for identification of <i>Escherichia coli</i> ST131 clades revealed predominance of the C1-M27 clade in Japan</b><br><i>Y. Matsumura*</i> (Kyoto, Japan), <i>G. Peirano</i> , <i>J. Pitout</i> , <i>R. DeVinney</i> , <i>T. Noguchi</i> , <i>S. Nakano</i> , <i>M. Yamamoto</i> , <i>M. Nagao</i> , <i>M. Tanaka</i> , <i>S. Ichiyama</i>                                                   | <b>P0209</b> | <b>Whole-genome sequencing to decipher the resistance mechanisms in <i>Klebsiella pneumoniae</i></b><br><i>J. Rolain*</i> (Marseille, France), <i>R. Lalaoui</i> , <i>S. Bakour</i> , <i>S. Diene</i> , <i>L. Kashat</i> , <i>M. Assous</i>                                                                   |
| <b>P0202</b>                              | <b>Correlation between ST131/H30 clone/subclone and carbapenem-resistance genes in fluoroquinolone-resistant and sensitive blood isolates of <i>Escherichia coli</i></b><br><i>Ö. Eser*</i> (Ankara, Turkey), <i>Ö. Gürpınar</i> , <i>A. Ilbay</i> , <i>G. Metan</i> , <i>P. Zarakolu</i>                                                                                                                                | <b>P0210</b> | <b>Beta-lactam susceptibility in <i>Haemophilus influenzae</i>: the connection between genotype and phenotype</b><br><i>V. Hinic*</i> (Basel, Switzerland), <i>J. Reist</i> , <i>U. Schibli</i> , <i>J. Linnik</i> , <i>A. Egli</i>                                                                           |
| <b>P0203</b>                              | <b>Clonal spread of clinical <i>Escherichia coli</i> clone sequence type 131 carrying <i>bla</i> <i>ctx-m</i>-15 and <i>aac</i>(6')<i>ib-cr</i> chromosome encoded in an Algerian hospital university centre</b><br><i>B. Yanat*</i> (Bejaia, Algeria), <i>L. Lopez Cerero</i> , <i>R. Abi Ayad</i> , <i>L. Yazı</i> , <i>J. Machuca</i> , <i>A. Touati</i> , <i>A. Pascual Hernandez</i> , <i>J. Rodriguez Martinez</i> | <b>P0211</b> | <b>Prevalence of silver resistance genes in bacterial strains isolated from chronic wounds</b><br><i>M. Georgescu*</i> (Râmnicu Vâlcea, Romania), <i>I. Gheorghe</i> , <i>B. Vasilache</i> , <i>V. Lazar</i> , <i>C. Chifiriuc</i>                                                                            |
| <b>P0204</b>                              | <b>Fluoroquinolone-resistant <i>Escherichia coli</i> ST1193 – another global, successful clone?</b><br><i>T. Leegaard*</i> (Lørenskog, Norway), <i>S. Jørgensen</i> , <i>M. Sunde</i> , <i>Ø. Fladberg</i> , <i>M. Steinbakk</i>                                                                                                                                                                                         | <b>P0212</b> | <b>Evolutionary and dissemination aspects that explain the current architecture of class 2 integrons</b><br><i>C. Alonso*</i> (Logroño, Spain), <i>M. Massó</i> , <i>V. Álvarez</i> , <i>M. Piekar</i> , <i>C. Torres</i> , <i>M. Quiroga</i> , <i>M. Ramirez</i> , <i>D. Centrón</i>                         |
| <b>P0205</b>                              | <b>Molecular characteristics and epidemiology of clinical isolates of carbapenemase-producing <i>Escherichia coli</i> in Japan</b><br><i>T. Mizuno*</i> (Kashihara, Japan), <i>R. Nakano</i> , <i>M. Ogawa</i> , <i>Y. Suzuki</i> , <i>A. Nakano</i> , <i>K. Saito</i> , <i>S. Ando</i> , <i>F. Mizuno</i> , <i>K. Kasahara</i> , <i>H. Yano</i>                                                                         | <b>P0213</b> | <b>Mutations in PBP2 accounting for elevated MICs of imipenem in clinical isolates of <i>Escherichia coli</i> in Germany</b><br><i>F. Lange*</i> (Bochum, Germany), <i>N. Pfennigwerth</i> , <i>S. Gatermann</i>                                                                                              |
| <b>P0206</b>                              | <b>Risk factors and molecular features of sequence type 131 extended-spectrum-beta-lactamase-producing <i>Escherichia coli</i> in community-onset bacteraemia</b><br><i>Y. Kim*</i> (Goyang, South Korea), <i>H. Kim</i> , <i>Y. Park</i> , <i>K. Lee</i>                                                                                                                                                                | <b>P0214</b> | <b>Differential efflux of tedizolid versus linezolid by <i>Escherichia coli</i> RND-type MDR efflux pumps</b><br><i>S. Schuster*</i> (Freiburg, Germany), <i>M. Vavra</i> , <i>A. Boschert</i> , <i>W. Kern</i>                                                                                               |
| <b>P0207</b>                              | <b>Molecular characterization and antimicrobial susceptibility of <i>Escherichia coli</i> bacteraemia isolates, West London 2015–2016</b><br><i>M. Mosavie*</i> (London, United Kingdom), <i>K. Jegatheesan</i> , <i>E. Jauneikaite</i> , <i>O. Blandy</i> , <i>M. Ellington</i> , <i>N. Woodford</i> , <i>S. Sriskandan</i>                                                                                             | <b>P0215</b> | <b>The transcriptional landscape of <i>Klebsiella pneumoniae</i> following exposure to sub-MIC concentrations of 1-[1-naphthylmethyl]-piperazine (NMP) – an exploration of the mechanism of action</b><br><i>J. Anes*</i> (Dublin, Ireland), <i>S. Sivasankaran</i> , <i>S. Srikumar</i> , <i>S. Fanning</i>  |
| <b>P0216</b>                              | <b>High-level resistance to nitrofurantoin and nalidixic acid mediated by the derepression of <i>EmrAB</i> efflux system</b><br><i>V. Chalansonnet*</i> (La Balme-les-Grottes, France), <i>C. Gilbert</i> , <i>S. Orenge</i>                                                                                                                                                                                             | <b>P0217</b> | <b>High ceftazidime hydrolysis activity and porin OmpK35 deficiency contribute to the decreased susceptibility to ceftazidime-avibactam in KPC-producing <i>Klebsiella pneumoniae</i></b><br><i>S. Zhen*</i> (Shanghai, China), <i>B. Ding</i> , <i>M. Ye</i> , <i>X. Xu</i> , <i>Q. Guo</i> , <i>M. Wang</i> |
| <b>P011</b>                               | <b>15:30 – 16:30</b>                                                                                                                                                                                                                                                                                                                                                                                                     |              |                                                                                                                                                                                                                                                                                                               |
| <b>Mechanisms of bacterial resistance</b> |                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                                                                                                                                                                                                                                                                                                               |
| <b>P0208</b>                              | <b>Prevalence of 16S rRNA methylase genes in Gram-negative isolates in Athens Metropolitan area in a six-month period</b><br><i>I. Galani*</i> (Athens, Greece), <i>K. Nafplioti</i> , <i>H. Moraitou</i> , <i>P. Giannopoulou</i> , <i>P. Chra</i> , <i>M. Damala</i> , <i>E. Vogiatzakis</i> , <i>E. Trikka-Graphakos</i> , <i>V. Baka</i> , <i>E. Prifti</i> , <i>M. Souli</i>                                        |              |                                                                                                                                                                                                                                                                                                               |



- P0218** Complete nucleotide sequences of two VIM-1-encoding plasmids from *Klebsiella pneumoniae* and *Leclercia adecarboxylata* isolates of Czech origin  
C. Papagiannitsis\* (Plzen, Czech Republic), I. Papousek, J. Hrabak, M. Dolejska
- P0219** Resistome of multidrug-resistant *Klebsiella pneumoniae* ST1046 isolated from a Brazilian hospital  
G. Francisco\* (São Paulo, Brazil), M. Bueno, L. Cerdeira, S. lenne, T. Souza, N. Lincopan, D. Garcia
- P0220** Genetic context of multidrug-resistance plasmid bearing blaCTX-M-8  
M. Bueno\* (São Paulo, Brazil), G. Francisco, L. Cerdeira, S. lenne, T. Souza, N. Lincopan, D. Garcia
- P0221** Undetectable phenotypic VIM-1 production in an *Atlantibacter hermannii* clinical isolate  
D. Girlich\* (Le Kremlin-Bicêtre, France), R. Bonnin, L. Dortet, T. Naas
- P0222** Characterization of the combinatorial effects of fluoroquinolone resistance mechanisms in *Klebsiella pneumoniae* and successful prediction of resistance in clinical isolates  
W. Wan Ahmad Kamil\* (Bristol, United Kingdom), Y. Takebayashi, J. Zhang, J. Jimenez Castellanos, L. Graham, K. Bowker, A. MacGowan, K. Heesom, M. Avison
- P0223** Fluoroquinolone resistance in *Francisella* species and whole-genome sequencing: mutations outside topoisomerases II-encoding genes should not be overlooked  
M. Maurin\* (Grenoble, France), Y. Caspar, S. Boisset, C. Siebert, C. Villers, P. Renesto
- P0224** Impact of fluoroquinolones on inducibility of *qnrD* gene expression in response to variations in *pqnrD* promoter architecture  
P. Hebel\* (Hamburg, Germany), P. Heisig, A. Heisig
- P0225** *In silico* estimates of plasmid copy number are associated with increased resistance to cefotaxime, ceftazidime and piperacillin/tazobactam in CMY-2-producing *Escherichia coli*  
E. den Drijver\* (Breda, Netherlands), M. Kluytmans-Van den Bergh, E. Schrauwen, J. Soer, C. Verhulst, J. Rossen, J. Kluytmans
- P0226** Impact of SOS response inactivation on development of resistance and bacterial fitness in *E. coli*-harboring acquired quinolone-resistance mechanisms  
E. Recacha\* (Seville, Spain), J. Machuca, M. Ramos-Guelfo, F. Docobo Perez, J. Blazquez, A. Pascual Hernandez, J. Rodriguez Martinez
- P0227** Microbiological evolutionary process of acquired genetic mutations in *Salmonella enterica* serovar Typhi against fluoroquinolones  
T. Matono\* (Tokyo, Japan), M. Morita, H. Izumiya, M. Kaku, M. Ohnishi
- P0228** OXA-244-producers, the nightmare for clinical microbiology labs: insights into their genomes  
L. Dortet\* (Le Kremlin-Bicêtre, France), Y. Hoyos, R. Patino, R. Bonnin, N. Fortineau, P. Glaser, T. Naas
- P0229** Transcriptional response to imipenem of *E. coli* carrying a blaKPC-2 IncFIIK plasmid  
R. Bonnin\* (Le Kremlin-Bicêtre, France), A. Jousset, I. Kosinski-Chupin, P. Glaser, T. Naas
- P0230** Factors affecting the sign, magnitude, and generality of collateral susceptibility networks in clinical *Escherichia coli* strains  
N. Podnecky\* (Tromsø, Norway), E. Fredheim, J. Kloos, A. Utnes, R. Primicerio, O. Samuelsen, P. Johnsen
- P0231** Bacteriophages and antibiotic resistance in cystic fibrosis  
J. González-López\* (Barcelona, Spain), M. Maite, M. Brown-Jacqu, L. Rodriguez, T. Cornejo-Sánchez, S. Gartner, J. De Gracia, S. Rovira, A. Alvarez, J. Jofre
- P0232** Genetic and biochemical characterization of OXA-519, a novel OXA-48 variant  
M. Dabos\* (Le Kremlin-Bicêtre, France), P. Bogaerts, R. Bonnin, B. Iorga, Y. Glupczynski, T. Naas
- P0233** Genetic and biochemical characterization of OXA-535, a novel OXA-48-like enzyme progenitor of OXA-436 from *Shewanella bicestris*  
M. Dabos\* (Le Kremlin-Bicêtre, France), A. Jousset, A. Potron, L. Dortet, B. Iorga, R. Bonnin, T. Naas
- P0234** OXA-517, an extended-spectrum cephalosporin- and carbapenem-hydrolysing OXA-48-like variant  
M. Dabos\* (Le Kremlin-Bicêtre, France), P. Bogaerts, A. Peyrat, R. Bonnin, B. Iorga, Y. Glupczynski, T. Naas
- P0235** Determining resistance mechanisms in *Pseudomonas aeruginosa* clinical isolates that demonstrate altered susceptibility profiles to beta-lactam-relebactam (REL) versus beta-lactam-avibactam (AVI) combinations  
M. Barnes\* (Cleveland, United States), K. Papp-Wallace, J. Alsop, T. Domitrovic, S. Becka, A. Hujer, C. Bethel, P. Power, D. Fouts, M. Adams, K. Young, R. Bonomo

- P0236** Genomics and susceptibility profiles of extensively drug-resistant (XDR) *Pseudomonas aeruginosa* from Spain  
E. del Barrio-Tofiño\* (Palma de Mallorca, Spain), G. Cabot, C. Lopez Causape, A. Rivera, N. Benito, C. Segura Alvarez, M. Montero, F. Tubau Quintana, S. Gómez Zorrilla, N. Tormo, R. Durá-Navarro, E. Viedma, E. Resino-Foz, M. Fernández-Martínez, I. Alejo Cancho, M. Ortega, L. Zamorano, L. Martinez-Martinez, J. Horcajada, A. Oliver
- P0237** Inactivation of penicillin-binding protein 2 is critical for killing *Pseudomonas aeruginosa* at high but not at low bacterial density  
J. Bulitta\* (Orlando, United States), B. Moya, Y. Jiao, Y. Quian, X. Tao, A. Louie
- P0238** Investigating antibiotic resistance mechanisms in *Clostridium difficile* through genome-wide analysis of phenotyped clinical isolates  
M. Mac Aogáin\* (Dublin, Ireland), G. Moloney, B. lawlor, P. Walsh, B. Kelly, T. Rogers
- P0239** Mutation rates for *ampC* derepression in Enterobacteriaceae as an indicator for the species-specific risk of cephalosporin treatment failure  
R. Kohlmann\* (Bochum, Germany), S. Gerriets, R. Reuter, S. Gatermann
- P0240** *qnrD* is SOS-regulated by sub-MIC tobramycin in *E. coli*  
A. Babosan\* (Reims, France), F. Lebreton, C. De Champs, G. Pier, D. Skurnik, T. Guillard
- P0241** Impact of plasmids carrying the KPC carbapenemase upon the *Klebsiella pneumoniae* host  
R. Osagie\* (Benin-City, Nigeria), M. Buckner, H. Saw, M. Doumith, N. Woodford, M. Webber, L. Piddock
- P0242** Genome sequencing and analysis of the first documented spontaneous nanosilver-resistant bacterium *Proteus mirabilis* SCDR1  
A. Saeb\* (Riyadh, Saudi Arabia), K. Al-Rubeaan, M. Abouelhoda, M. Selvaraju, H. Tayeb
- P0243** Characterization of plasmids in an OXA-181-producing *Klebsiella pneumoniae* from Germany  
K. Xanthopoulou\* (Cologne, Germany), A. Carattoli, L. Villa, C. Feudi, J. Ertel, H. Rohde, M. Vehreschild, H. Seifert, P. Higgins
- P0244** Identification of the genetic basis for phenotypic differences in growth characteristics and susceptibility to trimetoprim-sulfamethoxazole of serial blood culture isolates with thymine-dependent and thymine-independent *Escherichia coli*  
C. Gabrielsen\* (Trondheim, Norway), A. Jakovljević, J. Afset, K. Haugum, H. Steinum, T. Gresdal Ronning, Ø. Samuelsen
- P0245** Prevalence and molecular characterization of multidrug-resistance in nosocomial ESBL-producing *Klebsiella pneumoniae* isolates from hospital Salim Zemirli (Algiers, Algeria)  
S. Atmani\* (Algiers, Algeria), A. Bakour, Y. Messai
- P0246** Real-time method to measure transmission of a KPC-carrying plasmid in a bacterial population  
M. Buckner\* (Birmingham, United Kingdom), M. Ciusa, L. Piddock
- P0248** Characterization of FRI-3, a novel FRI carbapenemase variant in the *Enterobacter cloacae* complex  
J. Schauer\* (Bochum, Germany), N. Pfennigwerth, S. Gatermann
- P0249** Circulation of multiple lineages of carbapenem-resistant *Klebsiella pneumoniae* carrying *blaOXA-48* or *blaNDM* genes, and *Klebsiella oxytoca* co-carrying *blaKPC* and *blaVIM* genes  
S. Caprari\* (Cambridge, United Kingdom), L. Vali, K. Al Obaid, A. Dashti, J. Sullivan, H. McRobie, B. Evans
- P0250** Preliminary characterization of imipenem-reduced-susceptibility *Burkholderia pseudo-mallei* from north-eastern Malaysia  
Z. Deris\* (Kubang Kerian, Malaysia), A. Zamani, A. Harun, H. Hasan
- P0251** Deciphering mutational processes behind antibiotic resistance evolution by a novel genome engineering tool  
P. Szili\* (Szeged, Hungary), A. Nyerges, B. Kintszes
- P0253** Incompatible group IncA/C replicon harbouring *blaNDM* and two 16S rRNA methylases isolated from *K. pneumoniae* – a report from India  
A. K.V.L.\* (Chennai, India), S. Uma, M. Shanthi
- P0254** Gentamicin heteroresistance in genetically unrelated CMY-2 producing *Escherichia coli* of animal and human origin  
M. Anjum\* (Frederiksberg, Denmark), V. Bortolaia, A. Ovshepiyan, B. Jana, A. Moodley, L. Guardabassi

- P0255** **Laser-induced vapour nanobubbles for improved treatment of biofilm-related infections**  
E. Teirlinck\* (Ghent, Belgium), K. Forier, R. Xiong, S. Keshari Samal, S. De Smedt, T. Coenye, K. Braeckmans
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- P012** **15:30 – 16:30**  
**OXA, NDM, KPC: different but equally dangerous**
- P0256** **Genetic context of *blaKPC* in strains encountered in the Arabian Peninsula, a region of low prevalence**  
T. Pal\* (Al Ain, United Arab Emirates), A. Sonnevend, A. Ghazawi, T. Ashraf, V. Rotimi, W. Jamal, S. Althawadi, A. Deshmukh, A. Omrani
- P0257** **Combined genomic and epidemiological investigation of a state-wide, multi-institution outbreak of KPC-producing Enterobacteriaceae**  
J. Kwong\* (Melbourne, Australia), C. Lane, K. Stevens, F. Romanes, K. Cronin, M. Waters, T. Tomita, A. Gonçalves da Silva, M. Schultz, G. Carter, S. Baines, N. Sherry, A. Tai, A. Mu, A. Syme, S. Ballard, T. Seemann, T. Stinear, B. Howden
- P0258** **The post-antibiotic era has arrived: interventions to contain an outbreak of pan drug-resistant (PDR) NDM-1 and OXA-48-like dual producer *Providencia stuartii* (PST) in an acute care hospital in Argentina**  
F. Pasteran\* (Buenos Aires, Argentina), A. Macchi, M. Harispe, F. Nacinovich, J. Perez, A. Corso, L. Kumar, D. Perez, L. Clara, H. Pitocco, M. Lovigne, F. Basilico, L. Esteve, W. Cornistein, E. Poggi, S. Correa
- P0259** **Molecular typing of carbapenemase-producing *Klebsiella pneumoniae* strains isolated in Algerian hospitals**  
N. Aggoune Khinache\* (Algiers, Algeria), T. Hassiba, B. Guettou, F. Assaous, R. Laliem, A. Zerouki, M. Naim, K. Rahal
- P0260** **Dissemination of *Klebsiella pneumoniae* producing RmtB, KPC and CTX-M in hospitals of São Paulo State, Brazil**  
D. Garcia\* (São Paulo, Brazil), N. dos Santos, M. Bueno, G. Francisco
- P0261** **Emergence and rapid spread of KPC-producing *Escherichia coli* in a hospital of northern Italy**  
F. Luzzaro\* (Lecco, Italy), C. Mauri, A. Piazza, E. Meroni, F. Novazzi, B. Pini, L. Principe, R. Migliavacca, P. Bonfanti, L. Pagani
- P0262** **Increasing prevalence and molecular characterization of carbapenem-resistant *Klebsiella pneumoniae* in Chongqing, China, 2012–2015**  
L. Zhang\* (Chongqing, China), X. Xu, J. Yan, X. Jia
- P0263** **Molecular characterization of an IncX3 plasmid carrying *blaKPC-3* and *blaSHV-11* genes in *Citrobacter freundii***  
M. Paglia\* (Rome, Italy), A. Di Caro, C. Venditti, D. Fortini, L. Villa, A. Vulcano, S. Darezzo, P. Zaccaro, A. Capone, N. Petrosillo, C. Nisii, A. Carattoli
- P0264** **First raw description of a major resistance platform carrying resistance determinants to four classes of antibiotics in a *Morganella morganii* clinical strain in Bucharest, Romania**  
L. Papa\* (Bucharest, Romania), I. Czobor, I. Gheorghe, Y. Feng, A. Ratiu, I. Avram, S. Petrut, E. Borcan, C. Ghita, Z. Zhiyong, M. Chifiriuc, A. Ecovoiu
- P0265** **Prospective surveillance and rapid whole-genome sequencing detect an unsuspected outbreak of carbapenemase-producing *Klebsiella pneumoniae* in a UK hospital**  
H. Brodrick\* (Cambridge, United Kingdom), P. Polgarova, F. Khokhar, P. Naydenova, B. Blane, D. Enoch, N. Brown, J. Preller, C. Summers, M. Ellington, G. Dougan, S. Peacock, J. Parkhill, M. Torok
- P0266** **WGS short-read and MinION long-read sequencing in deciphering the diversity of NDM-1 plasmids in a *Serratia marcescens* outbreak at a single hospital in Romania**  
H. Phan\* (Oxford, United Kingdom), N. Stoesser, I. Maciucă, F. Toma, E. Székely, M. Flonta, L. Pankhurst, A. Hubbard, D. Crook, D. Timofte
- P0267** **Characterization of extensively drug-resistant ST101 and pandrug-resistant ST147 OXA-48-producing *Klebsiella pneumoniae* strains causing bloodstream infections in ICU patients**  
S. Pournaras\* (Athens, Greece), K. Avgouleas, V. Di Pilato, O. Zarkotou, S. Sennati, L. Politi, A. Cannatelli, K. Digalaki, T. Giani, A. Tsakris, G. Rossolini
- P0268** **Characterization of resistance genes and polymerase-chain-reaction-based replicon typing in carbapenem-resistant *Klebsiella pneumoniae***  
F. Erdem\* (Istanbul, Turkey), A. Carattoli, O. Oncul, Z. Aktaş.

- P0269** Occurrence of NDM and IMP carbapenemase-producing Gram-negative isolates in Myanmar  
N. Kieffer\* (Fribourg, Switzerland), P. Bocanegra-Ibarras, L. Bessa, M. Mon, P. Martins da Costa, L. Poirel
- P0270** Emergence of NDM-1 producing *Klebsiella pneumoniae* clinical isolates in northern Greece: a 34-month epidemiological study in a tertiary university hospital  
E. Protonotariou\* (Thessaloniki, Greece), A. Poulou, O. Vasilaki, D. Papadopoulou, L. Politi, G. Kagkalou, D. Pilalas, M. Kachrimanidou, V. Draganoudis, A. Tsocha, S. Metallidis, L. Skoura, A. Tsakris
- P0271** Next-generation sequencing-based analysis of New Delhi metallo-beta-lactamase 1-carrying Enterobacteriaceae from a cluster of colonization in a hospital in southern Germany  
A. Frühauf\* (Wernigerode, Germany), Y. Pfeifer, S. Fuchs, M. Martin, D. Luft, N. Pfennigwerth, M. Korte-Berwanger, M. Kaase, G. Werner
- P0272** Molecular epidemiology of non-*Escherichia coli* Enterobacteriaceae resistance to extended-spectrum beta-lactams colonizing long-term care facility (LTCF) residents  
C. Rodrigues\* (Porto, Portugal), A. Mendes, F. Sima, J. Bavlovič, E. Machado, A. Novais, L. Peixe
- P0274** Molecular analysis of *Klebsiella pneumoniae* resistant to oxyimino-beta-lactams in Poland  
E. Literacka\* (Warsaw, Poland), A. Baraniak, R. Izdebski, K. Malinowska, M. Herda, E. Sadowy, D. Zabicka, W. Hryniewicz, M. Gniadkowski
- P0275** Detection of ESBL-producing *E. coli* isolates among healthy children in Peru  
M. Riveros Ramirez\* (Lima, Peru), K. Alcedo, M. Marcelo, L. Hernandez, E. Mercado, J. Ruiz, T. Ochoa Woodell
- P0276** Detection of ESBL-producing *E. coli* isolates from urinary tract infections in Peru  
M. Riveros Ramirez\* (Lima, Peru), M. Marcelo, K. Alcedo, S. Alejos, N. Hinostroza, J. Ruiz, T. Ochoa Woodell
- P0277** Development of sensitive and cost-effective real-time PCR assays for rapid detection of the beta-lactamase genes CTX-M-1-group, SHV, TEM and CMY in Enterobacteriaceae  
Y. Geurts\* (Lelystad, Netherlands), M. Brouwer, K. Noorman, A. Kant, D. Ceccarelli, K. Veldman, D. Mevius
- P0278** *In vitro* susceptibility and resistance phenotypes in contemporary *Enterobacter* isolates in a university hospital in Crete, Greece  
S. Maraki\* (Heraklion, Greece), K. Vardakas, D. Perdakis, V. Mavromanolaki, D. Kofteridis, G. Samonis, M. Falagas
- P0279** Acquisition of plasmidic cephalosporinase-producing Enterobacteriaceae after a travel to the tropics  
L. Armand-Lefevre\* (Paris, France), F. Lorme, N. Maataoui, M. Esposito-Farese, E. Rondinaud, E. Ruppe, O. Clermont, G. Arlet, N. Genel, S. Matheron, A. Andremont
- P0280** Prevalence of extended-spectrum beta-lactamase-producing *Escherichia coli*-causing community-onset infections in northern Greece: a five-year survey  
A. Poulou\* (Serres, Greece), F. Markou, L. Politi, N. Spanakis, S. Pournaras, A. Tsakris
- P0281** Impact of ceftriaxone on commensal Enterobacteriaceae and risk of emergence of multidrug-resistant *Enterobacter* spp. and *Citrobacter* spp. A study in hospitalized patients  
V. de Lastours\* (Clichy, France), T. Goulénok, F. Guérin, C. Eyma, F. Chau, V. Cattoir, B. Fantin
- P0283** Molecular characterization of extended-spectrum beta-lactamase in *Klebsiella pneumoniae* isolates from Edo state, Nigeria  
F. Allerberger\* (Vienna, Austria), C. Jesumirhewe, B. Springer, W. Ruppitsch
- P0284** The molecular epidemiology of bla-CTX-M antibiotic resistance genes in the faecal microbiome of humans acquiring ESBL-producing *E. coli*  
B. Edward\* (Birmingham, United Kingdom), M. Powell, P. Hawkey
- P0285** Whole-genome sequencing (WGS) analysis of faecal extended-spectrum beta-lactamase-producing *Escherichia coli* (ESBL-Ec) shared by French recruits serving overseas  
N. Maataoui\* (Paris, France), A. Mayet, J. Meynard, H. Delacour, A. Andremont, A. Ducher, L. Armand-Lefevre, A. Mérens
- P0287** Molecular surveillance of broad-spectrum beta-lactamases in urine samples in a secondary care hospital in East Sarajevo, Bosnia and Herzegovina  
A. Balasiu\* (Düsseldorf, Germany), N. Krtolina Banjac, A. Wendel, C. MacKenzie

**P0288** Use of Check-Points Check-MDR microarray for investigating resistance genes among Enterobacteriaceae in South London  
*R. Batra\** (London, United Kingdom), A. Natale, J. Otter, S. Goldenberg, A. Patel, A. Querol-Rubiera, K. Bisnauthsing, J. Edgeworth

**P0289** Community origin of extended-spectrum beta-lactamase-producing Enterobacteriaceae (ESBL-E) faecal carriage in ICU and susceptibility to carbapenem alternatives  
*R. Prevel\** (Bordeaux, France), T. Cockenpot, A. Boyer, C. Andre, D. Gruson, V. Dubois

**P014** 15:30 – 16:30

#### Carbapenemase detection

**P0290** Evaluation of the beta-carbs test, a colorimetric test for the rapid detection of carbapenemase activity in-gram-negative bacilli  
*T. Naas\** (Le Kremlin-Bicêtre, France), S. Bernabeu, L. Dortet

**P0291** Could combining use of Oxoid's MacConkey-cefpodoxime (McPOD) and MacConkey-meropenem (McMEM) agars improve detection of carbapenemase-producing organisms (CPO) from surveillance specimens?  
*B. Willey\** (Toronto, Canada), S. Lee, V. Koren, B. Gascon, S. Surangiwal, A. Paterson, L. Wisely, P. Lo, S. Poutanen

**P0292** Evaluation of five commercial confirmation tests for carbapenemase-producing Enterobacteriaceae in an OXA-48 endemic geographic region  
*C. Trouve\** (Maldegem, Belgium), E. De Laere, R. De Smedt

**P0293** Reduction in the detection time of OXA-48, OXA-163 and KPC carbapenemases performed with a novel immunochromatographic lateral flow assay from 2-hour-old cultures (early cultures)  
*F. Pasteran\** (Buenos Aires, Argentina), L. Denorme, Q. Gillemann, S. Gomez, E. Albornoz, Y. Glupczynski, P. Bogaerts, P. Mertens, A. Corso

**P0294** Comparison of phenotypic methods and PCR for the detection of carbapenemase production in clinical *Klebsiella pneumoniae* isolates  
*Y. Tekintas\** (Izmir, Turkey), F. Cilli, B. Erac, M. Yasar, S. Aydemir, M. Hosgor-Limoncu

**P0295** Comparison of screening media for carbapenem-resistant Enterobacteriaceae  
*D. Haldane\** (Halifax, Canada), C. Phillips

**P0296** Continuous evolution and adaptation of a DNA-microarray-based assay for the rapid identification of carbapenemase and other resistance genes in Gram-negative bacteria  
*S. Braun\** (Jena, Germany), I. Engelmann, D. Weiss, S. Monecke, C. Brandt, O. Makarewicz, M. Pletz, R. Ehricht

**P0297** First evaluation of the new selective medium BD BBL CHROMagar CPE for the detection of carbapenemase-producing bacteria  
*U. Eigner\** (Heidelberg, Germany), U. Rajtak, U. Betz, C. Tauber, M. Holfelder, R. Schwarz

**P0298** Evaluation of six phenotypic methods for the identification of carbapenemases in Gram-negative bacteria with characterized resistance mechanisms  
*X. Xu\** (Chongqing, China), L. Zhang, S. Yang, K. Sun

**P0299** Evaluation of a new triplex immunochromatographic assay Trio (OXA-48, KPC, NDM) K-Set for the rapid detection of carbapenemases from cultured bacteria  
*Y. Glupczynski\** (Yvoir, Belgium), A. Jousset, S. Evrard, R. Bonnin, T. Huang, L. Dortet, P. Bogaerts, T. Naas

**P0300** Emergence of colistin resistance among NDM-1-producing and carbapenem-resistant Enterobacteriaceae in Mexico  
*P. Bocanegra-Ibarias\** (Nuevo Leon, Mexico), N. Kieffer, L. Poirel, E. Garza Gonzalez, M. del Rayo Morfin-Otero, E. Rodriguez-Noriega, P. Nordmann

**P0301** Evaluation of detection of carbapenem-resistant Gram-negative bacteria from rectal samples using Alifax HB & L carbapenemase kit  
*J. Germ\** (Ljubljana, Slovenia), C. Saralegui Díez, D. Barbic, T. Cerar Kišek, M. Pirs

**P0302** Comparison of four phenotypic tests for detection of carbapenemase-producing Enterobacteriaceae  
*D. Talapan\** (Bucharest, Romania), O. Dorobat, C. Bleotu, I. Aldea, L. Necula, D. Florea, R. Serban, G. Popescu, A. Rafila

**P0303** Comparison of two commercial carbapenemase-gene confirmatory assays in multi-resistant Enterobacteriaceae and *Acinetobacter baumannii*-complex  
*S. Rösner\** (Ingelheim, Germany), K. Gehlweiler, U. Küsters, M. Kolbert, K. Hübner, N. Pfennigwerth, D. Mack



- P0304** Detection of *E. coli* and *K. pneumoniae* carbapenemase producers by vitek 2 advanced expert system v.7.01 and RAPIDEC CARBA NP  
G. Zambardi\* (La Balme-les-Grottes, France), A. Seydou
- P0305** High stringency evaluation of the Automated BD Phoenix CPO Detect Test for detection and classification of carbapenemases  
K. Thomson\* (Louisville, United States), G. Thomson, D. Turner, W. Brasso, S. Kircher
- P0306** Challenge set comparative evaluation of bioMerieux RAPIDEC CARBA NP test for detection and confirmation of carbapenemase-producing Enterobacteriaceae and *Pseudomonas aeruginosa*  
H. Dwivedi\* (Hazelwood, United States), C. Squires, M. Wise, J. Kalamatas, R. Humphries
- P0307** Carbapenemase-producing Enterobacteriaceae in a large Australian healthcare network  
M. Trad\* (Wollongong, Australia), R. Noh, D. Kotsanas, R. Stuart, M. Graham, B. Rogers
- P0308** Correlation between colistin use and colistin resistance in carbapenemase-producing *Klebsiella pneumoniae*: modelling with time series analysis  
J. Papaparaskevas\* (Athens, Greece), G. Tansarli, C. Thraskias, A. Markogiannakis, A. Pantazatou, M. Samarkos, G. Daikos
- P0309** Cost utility analysis of alternative carbapenemase-producing Enterobacteriaceae (CPE) screening strategies in a low-prevalence setting  
R. Batra\* (London, United Kingdom), J. Otter, J. Edgeworth, S. Goldenberg
- P0310** Accuracy of carbapenem inactivation method (CIM) for detecting carbapenemase-producing gram-negative bacteria corresponding to bacterial species and enzymes  
K. Saito\* (Kashihara, Japan), R. Nakano, Y. Suzuki, A. Nakano, S. Yonekawa, S. Endo, F. Mizuno, K. Kasahara, K. Mikasa, M. Kaku, H. Yano

**P015** 15:30 – 16:30

#### Phages and phage products

- P0311** An alternative vancomycin-resistant enterococci decolonization strategy: bacteriophage therapy  
A. Ulu Kilic\* (Kayseri, Turkey), A. Gundogdu, H. Kilic, E. Alp Mese

- P0312** Isolation of a group B *Streptococcus* bacteriophage with broad clinical host range  
L. Furfaro\* (Perth, Australia), B. Chang, M. Payne
- P0313** Characterization of phages for phage therapy: an effective freeze-dried cocktail preparation of lytic phages against clinical pathogens  
P. Manohar\* (Vellore, India), S. Thamaraivelan, B. Bozdogan, R. Nachimuthu
- P0314** Bactericidal activity of P128 on coagulase-negative staphylococci alone and in combination with antibiotics  
A. Vipra\* (Bengaluru, India), S. Nair, N. Poonacha, S. Desai, D. Hiremath, D. Tuppad, U. Sharma
- P0315** *In vivo* synergy and efficacy of P128 in combination with standard-of-care antibiotics in methicillin-resistant *Staphylococcus aureus* (MRSA) bacteraemia  
S. Rajagopalan\* (Bangalore, India), S. Channabasappa, M. Durgaiyah, R. Chikkamadaiah, S. Kumar, B. Sriram
- P0316** Isolation of lytic bacteriophages from different sources as a possible antimicrobial strategy against bacteria involved in prosthetic joint infections  
A. Klatt\* (Berlin, Germany), A. Trampuz, M. Di Luca
- P0317** Long-term immunology follow-up results of a phase 1 placebo controlled dose escalating study to examine the safety of intravenous doses of CF-301 in human subjects  
A. Jandourek\* (Yonkers, United States), J. Boyle, C. Cassino, M. Wittekind, H. Kirby

**P016** 15:30 – 16:30

#### Ways of using MALDI-TOF in the bacteriology lab

- P0318** Evaluation of enrichment combined with PCR or MALDI-TOF for the detection of *Streptococcus agalactiae* infection or carriage in late pregnancy or elderly patients  
K. Khan\* (Slough, United Kingdom), H. Jones
- P0319** Evaluation of a rapid method for direct antibiotic susceptibility testing from urine samples  
A. Ilki\* (Istanbul, Turkey), S. Ozsoy, G. Altinkanat Gelmez, B. Aksu, G. Soyletir
- P0320** Rapid typing of *Legionella pneumophila* by MALDI-TOF  
G. March Rosselló\* (Valladolid, Spain), M. Gutiérrez, M. Simarro, M. Muñoz, R. Ortiz de Lejarazu, A. Orduña, M. Bratos Perez

- P0321** **Comparison between Vitek-MSTM, Vitek2 and API20E for differentiation of *Raoultella ornithinolytica* and *Raoultella planticola***  
C. Ruiz de Alegria Puig\* (Santander, Spain), M. Fernandez Torres, M. Rodríguez Fernández, J. Agüero, L. Martinez-Martinez
- P0322** **Cultureless bacterial identification and detection of biomarkers in urinary tract infection**  
H. Dekter\* (Leiden, Netherlands), N. Van Schaik, F. Koyuncu, A. Van der Zee, R. Parchen, W. Van Leeuwen
- P0323** **Single-cell MALDI-based diagnostics of prosthetic joint infections**  
H. Dekter\* (Leiden, Netherlands), T. Venema, M. Parčina, R. Parchen
- P0324** **Differentiation within *Bacillus cereus* and *Bacillus subtilis* groups with MALDI-TOF**  
V. Monnin\* (La Balme-les-Grottes, France), R. Ottaviani, S. Polsinelli, F. Allard, C. Meunier, S. Arend, B. Celliere, P. Courault, G. Durand, A. Van Belkum, V. Girard
- P0325** **Automatic deposition of bacteria and yeast on MALDI target using the MALDI Colony robot**  
J. Hrabak\* (Plzen, Czech Republic), K. Chudejova, M. Bohac, A. Skalova, V. Rotova, C. Papagiannitsis, T. Bergerova
- P0326** **Rapid identification of ten species of *Streptococcus mitis* group using MALDI-TOF**  
M. Ercibengoa\* (Irun, Spain), M. Morales, D. Vicente, M. Lopez Olaizola, J. Marimón Ortiz de Zárate
- P0327** **Identification of mixed bloodstream infections directly from positive blood cultures by MALDI-TOF mass spectrometry with observation of fundamental differences between Biotyper and Sepsityper module versions**  
C. Gehringer\* (Basel, Switzerland), D. Hohler, M. Osthoff, S. Bassetti, A. Egli
- P0328** **Applicability of carbapenemase-production detection by MALDI-TOF MS in a routine laboratory**  
M. Cordovana\* (Bologna, Italy), M. Kostrzewa, K. Sparbier, M. Peer, S. Ambretti, M. Landini
- P0329** **Identification of *Helicobacter pylori* clinical isolates through mass-spectrometry (MALDI-TOF): the importance of a local database**  
C. Alba Rubio\* (Madrid, Spain), V. Valdez Blanco, T. Soler Maniega, N. Zurita Cruz, T. Alarcon Caverio
- P0330** **A new in-house method of identifying pathogens directly from positive blood cultures by using MALDI-TOF mass spectrometry**  
Q. Yang\* (Beijing, China), Z. Menglan, Y. Xu
- P0331** **Evaluation of MALDI-TOF for usefulness in identification *S. gallolyticus* species**  
A. Galiana Cabrera\* (Elche, Spain), M. Parra Grande, M. Abreu-Di Berardino, I. Prats Sánchez, F. Parres Quiñero, Á. Gómez González, V. Sánchez Hellín
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- P017** **15:30 – 16:30**  
**Challenges in diagnostic bacteriology**
- P0332** **Accidental household exposure to non-viable *Bacillus anthracis* spores in Vienna**  
A. Zoufaly\* (Vienna, Austria), H. Huemer, A. Indra, F. Allerberger
- P0333** **Bats as reservoirs of *Staphylococcus aureus* complex**  
F. Schaumburg\* (Münster, Germany), J. Held, M. Gmeiner, B. Mordmüller, P. Matsiegui, J. Schaer, I. Eckerle, N. Weber, K. Matuschewski, S. Bletz
- P0334** **Does the introduction of pneumococcal conjugate vaccines change the sensitivity of pneumococcal urinary antigen test?**  
H. Shoji\* (Barcelona, Spain), A. Domènech, A. Simonetti, D. Garcia-Somoza, M. Cubero, A. González, S. Marti, F. Tubau, J. Carratalà, C. Ardanuy Tisaire
- P0335** **ELITE InGenius, a new CE-IVD sample-to-result solution for the molecular diagnostics of health-care associated infections**  
A. Estampes\* (Puteaux, France), S. Costa, M. Enrietto, S. Patanè, F. Gorreta, G. Stefanuto, W. Mahoney
- P0336** **Immunochromatographic (ICT) vs immuno-fluorescent (FIA) pneumococcal urine antigen test (UAT): comparison of real-life performance for the diagnosis of pneumococcal pneumonia (PP)**  
M. Martin Gomez\* (Barcelona, Spain), S. Gonzalez di Lauro, J. García Perez, V. Falco, B. Almirante, M. Cano Gutierrez, F. Barroso Portillo, J. Burgos

- P0337** Clinical significance and antimicrobial susceptibility of emerging uropathogens *Aerococcus urinae*, *Aerococcus sanguinicola* and *Actinotignum schaalii*: a multicentre prospective study  
C. Isnard\* (Caen, France), F. Gravey, H. Jacquier, A. Le Monnier, F. Le Manach-Kergueris, T. Guillard, V. Walewski, E. Carboneille, P. Lanotte, C. Le Brun, O. Barraud, S. Corvec, A. Jebbaoui, L. Dortet, P. Chloé, N. Soismier, V. Cattoir
- P0338** Screening for relevant bacteriuria by flow cytometry: evaluation of more than 44,000 urine samples analyzed by the UX-2000 flow cytometer and microbiological culture  
C. Gehringer\* (Basel, Switzerland), A. Regeniter, K. Rentsch, S. Tschudin Sutter, S. Bassetti, A. Egli
- P0339** Identification and characterization of *Staphylococcus devriesei* from bovine in intramammary infections in KwaZulu-Natal, South Africa  
M. Ehlers\* (Pretoria, South Africa), T. Schmidt, M. Kock
- P0340** Nasopharyngeal carriage of *S. pneumoniae* in Hajj pilgrims from India during 2016: preliminary report  
R. Kadahalli Lingegowda\* (Bangalore, India), F. Ganaie, S. Geetha, V. Govindan
- P0341** *Legionella pneumophila* in water: performance of culture method detection carried out by Italian laboratories participating to UNICHIM proficiency testing and validation of three molecular methods for quantitative detection  
R. Musumeci\* (Monza, Italy), M. Martinelli, L. Signorini, E. Calaresu, A. Pecovela, F. Pastoni, C. Cocuzza
- P0342** Direct detection of early-stage Lyme borreliosis using T2 magnetic resonance  
J. Snyder\* (Lexington, United States), H. Giese, J. Townsend, R. Shivers, A. Schotthoefer, T. Fritsche, C. Green, S. Callister, F. Strle, T. Lowery
- P0343** Biodiversity of different *Francisella tularensis* subspecies in southern Siberia of the Russian Federation  
S. Balakhonov\* (Irkutsk, Russian Federation), E. Kulikalova
- P0344** Emergence of thymidine-dependent *Staphylococcus aureus* small colony variants isolated from patients with cystic fibrosis in Brazil  
L. Dalla Costa\* (Curitiba, Brazil), D. Souza, L. Cogo, J. Palmeiro, A. Tomaz, C. Riedi, N. Rosário Filho
- P0345** Description and characterization of *Alloprevotella abietis* sp. nov., isolated from a human peritonsillar abscess swab, and implementation of novel species identification into the medical microbiology routine diagnostics workflow  
M. Buhl\* (Tübingen, Germany), M. Willmann, P. Oberhettinger, I. Autenrieth, J. Liese, M. Marschal
- P0346** Increase in cases of pertussis in Nuevo León, México, is associated with the presence of the *Bordetella pertussis* ptxP3 lineage  
J. Gutiérrez-Fernan\* (Monterrey, Mexico), L. Villarreal-Treviño, J. Ramírez-Aranda, M. de la O Cavazos, A. Camacho-Ortiz, R. Ballesteros-Elizondo, M. Moreno-Juárez, J. Villarreal-Pérez, E. Garza Gonzalez
- P0347** Misidentification of *Klebsiella variicola* isolated from neonates in two German hospitals  
P. Higgins\* (Cologne, Germany), J. Ertel, K. Xanthopoulou, J. Zweigner, S. Reuter, R. Skov, H. Seifert
- P0348** Evaluation of a simplified screening method to detect carriage of group B streptococci in third trimester pregnancy: preliminary data on an ongoing cross-sectional study.  
D. Vuichard Gysin\* (Münsterlingen, Switzerland), D. Huang, S. Tschudin-Sutter, M. Dangel, C. Granado, A. Widmer, I. Hoesli
- P0349** Use of dithiothreitol (DTT) for bacterial detection from prosthetic joint infection: evaluation of a new protocol  
A. Berlinger\* (Bologna, Italy), F. Macca, M. Tamburini, L. Agboyi, G. Pollini, S. Ambretti, M. Landini
- P0350** Is prolonged 14-day incubation really necessary for accurate diagnosis of implant-associated infection?  
Š. Klemen\* (Dol pri Hrastniku, Slovenia), P. Čamernik, D. Dolinar, B. Kocjancic, B. Sluga, T. Lejko Zupanc, M. Mueller-Premru, E. Nagy, S. Jeverica
- P0351** New chromogenic medium for the isolation of *Staphylococcus aureus* for cystic fibrosis patient  
F. Laurent\* (Lyon, France), V. Tafani, J. Safrani-Lahyani, S. Trouillet-Assant, M. Chiganne, F. Vincent, M. Prouse-de-Montclos, A. Doleans
- P0352** MALDI-TOF MS as a tool to identify *Elizabethkingia anophelis*, an emerging pathogen  
V. Monnin\* (La Balme-les-Grottes, France), S. Polsinelli, F. Allard, M. Welker, D. Pincus, G. Durand, A. Van Belkum, K. Lee, V. Girard

|              |                                                                                                                                                                                                                                                                                          |                                         |                                                                                                                                                                                                                                                                                                  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P0353</b> | <b>A real-time multiplex PCR assay for detection of <i>Elizabethkingia</i> spp., <i>E. anophelis</i>, and <i>E. meningoseptica</i></b><br>A. Kelly* (Atlanta, United States), S. Karpathy, C. Gulvik, A. Whitney, M. Bell, A. Nicholson, J. McQuiston, B. Humrighouse                    | <b>P018</b>                             | <b>15:30 – 16:30</b>                                                                                                                                                                                                                                                                             |
| <b>P0354</b> | <b>What predicts the safety of an <i>Enterococcus faecium</i> strain? Elucidative data about genetic markers associated with an increased risk of human infection</b><br>A. Freitas* (Maia, Portugal), A. Pedrosa Tedim, C. Novais, T. Coque, L. Peixe                                   | <b>Detection of resistant pathogens</b> |                                                                                                                                                                                                                                                                                                  |
| <b>P0355</b> | <b>External quality assessment (EQA) panel on detection of carbapenem-resistant Gram-negative pathogens within the EURECA study</b><br>T. Kostyanov* (Wilrijk, Belgium), C. Lammens, L. Timbermont, T. Vilken, B. Gutiérrez-Gutiérrez, J. Rodríguez-Baño, S. Malhotra-Kumar, H. Goossens | <b>P0361</b>                            | <b>Place of Xpert Carba-R v2 assay for the detection of carbapenemase-producing Enterobacteriaceae in a low-prevalence setting</b><br>T. Naas* (Le Kremlin-Bicêtre, France), Y. Hoyos, S. Onzain, L. Dortet, N. Fortineau                                                                        |
| <b>P0356</b> | <b>What's in a name? Species-WGS-based taxonomy for accurate identification of emerging pathogens</b><br>S. Doijad* (Giessen, Germany), H. Ghosh, L. Falgenhauer, Y. Yao, C. Imirzalioglu, P. Kaempfer, T. Chakraborty                                                                   | <b>P0362</b>                            | <b>The RAPIDEC CARBA NP test as compared to the BETA-CARBA test for detection of carbapenemase-producing Gram-negative isolates</b><br>P. Nordmann* (Fribourg, Switzerland), N. Kiefer, L. Poirel                                                                                                |
| <b>P0357</b> | <b>Comparison of four methods for identifying questionable <i>Streptococcus pneumoniae</i> isolates</b><br>G. Kazdaglis* (Linköping, Sweden), L. Jacob, K. Kertat, S. Persis                                                                                                             | <b>P0363</b>                            | <b>Predicting the hVISA phenotype using a novel <i>in vitro</i> real-time assessment of <i>S. aureus</i> division rates</b><br>M. Rybak* (Detroit, United States), S. Metzger, J. Allen, S. Rice, K. Stamper, M. Compton                                                                         |
| <b>P0358</b> | <b>External quality assessment of identification and antibiotic susceptibility testing of bacterial pathogens among diagnostic laboratories in low and middle income countries</b><br>B. Barbé* (Antwerp, Belgium), S. Ombelet, P. Deffranne, K. Vernelen, J. Jacobs                     | <b>P0364</b>                            | <b>Screening culture medium for multiple aminoglycoside-resistant Gram-negative bacteria</b><br>L. Poirel* (Fribourg, Switzerland), P. Nordmann, A. Mazé, J. Dobias, A. Jayol                                                                                                                    |
| <b>P0359</b> | <b>Revisiting "<i>Clostridium neonatale</i>": delineating an effective description as preamble for inclusion in the genus <i>Clostridium sensu stricto</i> as <i>Clostridium neonatale</i> sp. nov.</b><br>K. Bernard* (Winnipeg, Canada), A. Bernier                                    | <b>P0365</b>                            | <b>Evaluation of Coris BioConcept's KPC K-SeT assay for rapid accurate distinction of KPC carbapenemase-producing organisms (CPO) from other CPO genotypes and non-CPO</b><br>B. Willey* (Toronto, Canada), S. Lee, V. Koren, B. Gascon, S. Surangiwal, J. Bartoszko, H. Kim, P. Lo, S. Poutanen |
| <b>P0360</b> | <b>Performance of blood culture bottles for culturing vitreous fluid specimens compared to conventional microbiological cultures in patients with suspected endophthalmitis</b><br>J. Kehrman* (Essen, Germany), V. Chapot, P. Rating, N. Bornfeld, J. Buer, J. Steinmann                | <b>P0366</b>                            | <b>Evaluation of rapid biochemical test Beta-Carba for detection of carbapenemase-producing Gram-negative bacteria</b><br>V. Hinic* (Basel, Switzerland), J. Reist, A. Egli                                                                                                                      |
|              |                                                                                                                                                                                                                                                                                          | <b>P0367</b>                            | <b>Comparison of two rapid biochemical tests and four chromogenic selective media for detection of carbapenemase-producing Gram-negative bacteria</b><br>V. Hinic* (Basel, Switzerland), I. Amrein, S. Stammli, J. Heckendorn, D. Meinel, R. Frei, A. Egli                                       |
|              |                                                                                                                                                                                                                                                                                          | <b>P0368</b>                            | <b>A rapid, label-free, machine-supported bio-classification method of quinolone-nonsusceptible <i>Escherichia coli</i> isolates</b><br>H. Lee* (Seoul, South Korea), Y. Kim, Y. Cheong, H. Kang, S. Kim                                                                                         |
|              |                                                                                                                                                                                                                                                                                          | <b>P0369</b>                            | <b>Detecting methicillin resistance in coagulase-negative staphylococci from orthopedic implants using molecular MRSA CE-IVD assays</b><br>M. Rottman* (Garches, France), H. Mansour, F. El Sayed, A. Roux, J. Herrmann, J. Gaillard, T. Bauer                                                   |

- P0370** **Rapid molecular confirmation of ESBL and carbapenemase-producing Enterobacteriaceae directly from positive blood culture media**  
*M. Laine\** (Turku, Finland), *K. Rantakokko-Jalava*
- P0371** **Automated detection of KPC-producing *Klebsiella pneumoniae* by MALDI-TOF MS – evaluation with a large routine dataset from Germany and Italy**  
*A. Pranada\** (Dortmund, Germany), *M. Cordovana*, *M. Bienia*, *M. Landini*, *M. Kostrzewa*
- P0372** **The evaluation of the Liofilchem CRE and OXA-48 Chromatic agars for the isolation and presumptive identification of carbapenem resistant Enterobacteriaceae**  
*O. Karatuna\** (Istanbul, Turkey), *M. Kaya*, *I. Akyar*
- P0373** **A comparison of the diagnostic accuracy of the Bruker real-time PCR assay with the Cepheid GeneXpert Carba-R assay and chromogenic culture for the detection of carbapenemase-producing Enterobacteriaceae from simulated rectal swabs**  
*J. Green\** (Glasgow, United Kingdom), *J. Perry*, *A. Perry*, *E. Stirling*
- P0374** **Matrix-assisted laser desorption/ionization time of flight (MALDI-TOF) mass spectrometric analysis of carbapenemase-producing Enterobacteriaceae using the new MALDI Biotyper Smart device and MBT Compass**  
*U. Eigner\** (Heidelberg, Germany), *C. Tauber*, *J. Dörzbach*, *M. Holfelder*, *R. Schwarz*
- P0375** **Rapid identification and susceptibility testing of Gram-negative rods to gentamicin and ciprofloxacin from positive blood cultures by MALDI-TOF technology**  
*R. Colodner\** (Afula, Israel), *M. Strauss*
- P0376** **Use of antibiotic hydrolysis ratios and inhibition indices generated by matrix-assisted laser desorption ionization time-of-flight mass spectrometry for carbapenemase classification and extended-spectrum beta-lactamase detection**  
*N. Istaces\** (Brussels, Belgium), *S. Lali*, *B. Marchetti*, *C. Nonhoff*, *O. Denis*, *D. Govaerts*
- P0377** **A novel chromogenic culture media (CHROMagar COL-APSE) for the isolation and differentiation of colistin-resistant Gram-negative pathogens**  
*M. Abdul Momin\** (London, United Kingdom), *D. Bean*, *R. Hendriksen*, *M. Haenni*, *L. Phee*, *D. Wareham*
- P0378** **Rapid identification of OXA-23-subfamily in carbapenem-resistant *Acinetobacter* spp. with a novel immunochromatographic lateral flow assay**  
*S. Mertins\** (Cologne, Germany), *P. Higgins*, *L. Denorme*, *Q. Gilleman*, *P. Mertens*, *H. Seifert*, *M. Krönke*, *A. Klimka*
- P0379** **Evaluation of a new commercial medium, the chromagar msupercarba, for the detection of carbapenemase-producing Enterobacteriaceae**  
*O. Shalom\** (Tel-Aviv, Israel), *M. Amar*, *A. Adler*
- P0380** **Developement of a method combining affinity chromatography using magnetic beads with MALDI-TOF MS to rapidly detect IMP-1-type carbapenemase-producing strains from isolated colonies**  
*M. Komatsu\** (Nara, Japan), *A. Kondo*, *A. Nakamura*, *S. Matsuo*
- P0381** **Detection of plasmid-mediated carbapenem-resistant and colistin-resistant genes in direct stool specimens by a PCR-dipstick technique**  
*R. Shanmuga Kani\** (Minoh, Japan), *Y. Akeda*, *Y. Norihisa*, *H. Hagiya*, *H. Yoshida*, *Y. Sugawara*, *T. Kadera*, *N. Sakamoto*, *P. Santanirand*, *S. Hamada*, *K. Tomono*
- P0382** **Detection of carbapenemase-producing bacteria from blood culture: carbapenem-inactivation method and CarbaNP test with slight modification for low-resource laboratories**  
*G. Bahar Erdem\** (Ankara, Turkey), *D. Ocal*, *E. Akkan Kuzucu*, *E. Altunay*, *E. Caliskan*, *Z. Bayrak*, *M. Guzel*, *A. Tekeli*
- P0383** **Clinical evaluation of a novel light-scattering technology-based assay for rapid detection of methicillin-resistant *Staphylococcus aureus* (MRSA) – admission screening of hospitalized patients**  
*W. Heizmann\** (Bad Griesbach, Germany), *C. Magiera*
- P0384** **Evaluation of a MALDI Biotyper and Rapidec Carba NP-based alghoritm for direct identification of carbapenemase-producing *Klebsiella pneumoniae* from positive blood cultures**  
*F. Liotti\** (Rome, Italy), *B. Fiori*, *G. Menchinelli*, *T. D'Inzeo*, *G. De Angelis*, *R. Nicotra*, *M. Sanguinetti*, *T. Spanu*
- P0385** **Validation of lateral flow immunoassays for the rapid detection of CTX-M- group1, NDM and OXA-48 producers**  
*S. Bernabeu\** (Le Kremlin-Bicêtre, France), *H. Boutal*, *T. Naas*, *K. Devilliers*, *L. Dortet*, *M. Plaisance*, *S. Simon*, *H. Volland*



- P0386** Evaluation of the new BD BBL CHROMagar CPE, a selective chromogenic screening medium for the detection of carbapenemase-producing *Enterobacteriaceae*  
U. Rajtak\* (Heidelberg, Germany), J. Garbe, A. Meyer, B. Spinath, G. Babini
- P0387** Use of the Acuitas resistome test to detect and type carbapenemase-producing organisms (CPOs): a pilot study  
G. Vanstone\* (London, United Kingdom), S. Rattenbury, R. Smith, D. Mack, I. Balakrishnan
- 
- P019** 15:30 – 16:30  
**Acinetobacter – susceptibility and molecular epidemiology**
- P0388** Tigecycline activity against multidrug-resistant (MDR) *Acinetobacter baumannii* collected in the TEST programme from Europe: 2013–2016  
D. Sahn\* (Schaumburg, United States), M. Renteria, D. Hoban, M. Hackel, H. Leister-Tebbe
- P0389** Phenotypic and genotypic characterization of the virulence and antibiotic resistance of *A. baumannii* clinical isolates obtained from two Mediterranean countries  
Z. Daoud\* (Amioun, Lebanon), E. Dahdouh, M. Hajjar, J. Terzikhan, M. Haddad, K. Sayegh, M. Suarez
- P0390** Characterization of clinical multidrug-resistant *Acinetobacter baumannii* isolates in Tshwane, South Africa: a two-year observational study  
M. Lowings\* (Pretoria, South Africa), M. Ehlers, J. Pitout, F. Ismail, M. Kock
- P0391** Epidemiology of carbapenem-hydrolyzing oxacillinases, metallo-beta-lactamases and common insertion sequences in *Acinetobacter baumannii* from Bosnia and Herzegovina  
A. Ibrahimagic\* (Zenica, Bosnia and Herzegovina), T. Petrović, S. Jakovac, K. Dedic, D. Slacanac, S. Uzunovic, B. Bedenic, J. Luxner
- P0392** Molecular epidemiology of multidrug-resistant *Acinetobacter baumannii* in Hungary, 2011–2016: spread of an OXA-72-producing *Acinetobacter baumannii* clone  
A. Toth\* (Budapest, Hungary), L. Jánvári, V. Lesinszki, J. Topf, J. Pászti
- P0393** Novel genetic environment of *bla*OXA-143 related to a composite transposon carried by GR6 replicon type plasmid in *Acinetobacter baumannii* [Acb] strain in Brazil  
A. Matos\* (São Paulo, Brazil), R. Cayô da Silva, L. Gonzaga de Paula Almeida, W. Martins, A. Streling, A. L. Gerber, A. R. de Vasconcelos, A. Gales
- P0394** Plasmid-borne carbapenem hydrolyzing class D beta-lactamase (CHDLs) and AdeABC efflux pump conferring carbapenem resistance/tigecycline resistance among *Acinetobacter baumannii* clinical isolates harbouring tnabrs  
M. Savari\* (Tehran, Iran), A. Ekrami, S. Shoja, A. Bahador, B. Sara
- P0395** Prevalence of RND efflux pumps and antimicrobial susceptibility in a collection of clinical *Acinetobacter* species  
C. Cosgaya Castro\* (Barcelona, Spain), C. Ratia, I. Roca, J. Vila Estape
- P0396** Genomic characterization of hospital isolates of *Acinetobacter baumannii* susceptible and resistant to sulbactam including pairs from the same patients  
R. Ruedas Martins\* (São Paulo, Brazil), R. Stabler, L. Perdigao Neto, F. Rossi, D. Barbosa dos Santos Mongelos, S. Marie, A. Sara Levin, S. Figueiredo Costa
- P0397** Changes in antimicrobial resistance of *Acinetobacter baumannii* isolated in Greece, 2010–2015  
K. Dafopoulou\* (Larissa, Greece), E. Dimitroulia, D. Zarkotou, E. Protonotariou, A. Poulou, E. Perivoliotis, S. Tsiplakou, M. Orfanidou, M. Panopoulou, S. Levidiotou, A. Tsakris, S. Pournaras
- P0398** Clonal dissemination of OXA-72 producing *Acinetobacter baumannii* belonged to CC79 recovered from migratory birds in Brazil  
R. Cayô da Silva\* (São Paulo, Brazil), W. Martins, A. Narciso Barbosa, S. V Santos, A. Ramos, L. Fehlberg, J. Batista da Cruz, A. Gales
- P0399** Regional clones and carbapenemases associated with carbapenem-resistant *Acinetobacter baumannii* in nosocomial settings in Tunis, Tunisia  
L. Peixe\* (Porto, Portugal), A. Mabrouk, F. Grosso, J. Tomaz Santos Botelho, L. Silva, W. Achour, A. Ben Hassen
- P0400** Molecular epidemiology and mechanisms of carbapenem-resistant *Acinetobacter* spp. clinical isolates from sputum specimen in Japan  
Y. Suzuki\* (Kashihara, Japan), S. Endo, R. Nakano, K. Saito, A. Nakano, F. Mizuno, H. Yano, M. Kaku

**P0401 Phenotype microarray analysis of the AdeRS two-component system in *Acinetobacter baumannii***

J. Sun\* (Taipei, Taiwan), Y. Chiang, T. Chiueh

**P0402 Emergence of carbapenemase-producing *Acinetobacter ursingii***

K. Van Dijk\* (Amsterdam, Netherlands), E. Sieswerda, R. Schade, T. Bosch, J. de Vries, M. Chamuleau, E. Haarman, L. Schouls

**P0403 Multilocus sequence typing analysis reveals genetic diversity of carbapenem-resistant and susceptible *Acinetobacter baumannii* in a tertiary care hospital of North India**

S. Kaur\* (Chandigarh, India), S. Kumar, V. Gautam, R. Aggarwal, P. Ray

**P0404 Expression of efflux pumps and outer membrane proteins in carbapenem-resistant and susceptible isolates of *Acinetobacter baumannii* from North India**

S. Verma\* (Chandigarh, India), S. Kumar, V. Gautam, R. Aggarwal, P. Ray

P020 15:30 – 16:30

**Carbapenemases – here, there and everywhere**

**P0405 Recent epidemiological data on carbapenem-resistant *Klebsiella pneumoniae* in Greek hospitals**

I. Galani\* (Athens, Greece), S. Maraki, V. Papaioannou, P. Kazila, H. Tsorlini, N. Charalampakis, M. Toutouza, H. Vagiakou, K. Pappas, A. Kyratsa, K. Kontopoulou, O. Legga, E. Petinaki, E. Papadogeorgaki, E. Chinou, R. Karantani, V. Papoutsaki, H. Giamarellou

**P0406 Nationwide epidemiology of carbapenem-resistant *Klebsiella pneumoniae* isolates from Greek hospitals, with regard to plazomicin and aminoglycoside resistance**

I. Galani\* (Athens, Greece), K. Nafplioti, P. Adamou, I. Karaikos, H. Giamarellou, M. Souli

**P0407 Molecular characteristics of carbapenemase-producing Enterobacteriaceae in the Netherlands, 2015–2016**

T. Bosch\* (Bilthoven, Netherlands), S. de Greeff, A. de Haan, F. Landman, M. Van Santen, A. Schoffelen, L. Wielders, S. Witteveen, K. Van der Zwaluw, L. Schouls

**P0408 Beta-lactamase characterization of baseline Gram-negative pathogens from a phase 3 trial of ceftazidime-avibactam (CAZ-AVI) for the treatment of nosocomial pneumonia**

R. Mendes\* (North Liberty, United States), M. Castanheira, L. Woosley, T. Doyle, G. Stone, R. McLaughlin, P. Bradford, R. Flamm

**P0409 Microbiological surveillance of carbapenemase-producing Enterobacteriaceae in Belgium in 2016**

Y. Glupczynski\* (Yvoir, Belgium), T. Huang, P. Bogaerts, C. Berhin, C. Bauraing, B. Jans

**P0410 ESBL and carbapenemase producers isolated from bacteraemia in patients with cancer and stem-cell transplant: data from the first multicentre study in Argentina**

F. Pasteran\* (Buenos Aires, Argentina), A. Carena, M. Rapoport, M. Zárate, M. Giovanakis, R. Padlog, G. Greco, M. García Damiano, M. Vilaro, M. Chaves, M. Bronzi, S. Valle, F. Herrera, A. Corso

**P0411 Surveillance of faecal carriage of nosocomially acquired metallo-beta-lactamase-producing carbapenem-resistant Enterobacteriaceae among intensive care unit (ICU) patients**

V. Rotimi\* (Kuwait, Kuwait), A. Al Fadhli, W. Jamal

**P0412 Carbapenemase-producing Enterobacteriaceae and clonal outbreak of multiresistant *Klebsiella pneumoniae* in a Spanish healthcare area**

M. Asencio\* (Alcazar de San Juan, Spain), M. Huertas, C. Muñoz Cuevas, R. Carranza González, P. Alcázar, H. Patiño, M. Franco, O. Redondo

**P0413 Intestinal carriage of carbapenemase-producing Enterobacteriaceae (CPE) in the Dutch community**

G. Van den Bunt\* (Utrecht, Netherlands), S. de Greeff, J. Scharringa, L. Muller, J. Vlooswijk, M. Riemens-Van Zetten, L. Mughini Gras, W. Van Pelt, M. Bonten, A. Fluit

**P0414 Report of the national reference laboratory for multidrug-resistant Gram-negative bacteria on carbapenemases in Germany in 2016**

N. Pfennigwerth\* (Bochum, Germany), A. Anders, M. Korte-Berwanger, F. Lange, M. Kaase, S. Gatermann

**P0415 Evaluation of carbapenemase-producing Enterobacteriaceae isolates from blood culture in hematological patients**

A. Korobova\* (Moscow, Russian Federation), S. KhruInova, A. Fedorova (Mironova), I. Frolova, G. Klyasova

- P0416** **The infection-carbapenem resistance evaluation surveillance trial (iCREST): early results**  
N. Woodford\* (London, United Kingdom), R. Canton Moreno, G. Stone, P. Irani, S. Bracher, P. Hawkey
- P0417** **Epidemiology of carbapenem-resistant Enterobacteriaceae in a medical university hospital in central Europe**  
L. Segagni Lusignani\* (Vienna, Austria), J. Höller, M. Diab-Elschahawi, A. Hirschl, E. Presterl
- P0418** **Current Status of carbapenem-resistant Enterobacteriaceae (CRE) in Europe 2013–2016**  
B. Johnson\* (Schaumburg, United States), D. Hoban, M. Renteria, D. Sahm, H. Leister-Tebbe
- P0419** **Implementation of a national mandatory reporting of carbapenem-resistant pathogens, Germany 2016**  
J. Hermes\* (Berlin, Germany), G. Steffen, T. Eckmanns
- P0420** **Investigation on the status and characteristics of carbapenemase-producing Enterobacteriaceae isolates in a tertiary university hospital**  
H. Chung\* (Seoul, South Korea), M. Lee
- P0421** **Current status of carbapenemase-producing Enterobacteriaceae in Ireland**  
E. McGrath\* (Galway, Ireland), M. Cormican, T. Boo, W. Brennan
- P0422** **Implementation of a national toolkit for the detection and management of carbapenemase-producing Enterobacteriaceae (CPE) in acute hospitals: experiences of a large teaching hospital in the UK**  
C. Horner\* (Leeds, United Kingdom), T. Collins, M. Denton
- P0423** **Carriers of carbapenem-non-susceptible *Klebsiella pneumoniae* in ICU patients in Spain: antimicrobial susceptibility and resistance characterization**  
J. Bueno Sancho\* (Zaragoza, Spain), A. Bellés Bellés, C. Seral, B. Rojo-Bezares, M. Gracia, J. Arribas Garcia, L. Muñoz Muñoz, Y. Saenz, F. Castillo
- P0424** **Molecular analysis of a long-term outbreak of carbapenem-resistant *Citrobacter freundii* in a university hospital**  
T. Wille\* (Cologne, Germany), H. Gistl, J. Ertel, H. Seifert, P. Higgins, A. Hamprecht
- P0425** **The evolving face of carbapenemase-producing Enterobacteriaceae: a 5-year review of a London teaching hospital's experience**  
B. Bharathan\* (London, United Kingdom), M. Cummins, K. Hopkins, A. Sivaramakrishnan
- P0426** **Bacteraemia due to carbapenemase-producing Enterobacteriaceae in Italy: data from the national surveillance system, 2013–2016**  
M. Sabbatucci\* (Rome, Italy), S. Iacchini, A. Marella, V. Bizzotti, S. Iannazzo, C. Farfusola, P. D'Ancona, L. Ingrosso, P. Pezzotti, A. Pantosti
- P0427** **Carbapenem non-susceptible Gram-negative pathogens in the ICU and non-ICU settings in US hospitals in 2015–2016: a multicentre study**  
E. McCann\* (Kenilworth, United States), C. DeRyke, D. DePestel, J. Murray, J. Till, V. Gupta
- P0428** **Prevalence and molecular characterization of Gram-negative bacilli producing carbapenemases in Burkina Faso**  
A. Appelgren\* (Montpellier, France), S. Sanou, A. Ouedraogo, S. Aberkane, A. Poda, B. Nacro, C. Carriere, R. Ouédraogo, A. Kissou, N. Bouzinbi, H. Jean-Pierre, J. Vendrell, J. Solassol, G. Sylvain
- P0429** **Carbapenemase-producing Enterobacteriaceae in Switzerland from 2013 to 2015**  
A. Ramette\* (Bern, Switzerland), R. Zbinden, J. Schrenzel, P. Nordmann, A. Kronenberg
- P0430** **Co-occurrence of NDM and OXA48 like carbapenemases in IncHI3 replicon in *Klebsiella pneumoniae* isolated from rectal swab**  
G. P\* (Chennai, India), R. Vijayakumar, P. Krishnan
- P0431** **Role of automation in screening of carbapenem-resistant Enterobacteriaceae (CRE) colonized or infected patients**  
S. Malandrini\* (Monza, Italy), M. Raggi, A. Distaso, G. Gandini, M. Manenti, F. Mariani, E. ponti, M. Arosio, A. Cavallero
- P0432** **Prevalence of carbapenemase-producing *Klebsiella pneumoniae* during a 4-year period in a tertiary care hospital in Greece**  
E. Priavali\* (Ioannina, Greece), A. Miari, C. Gartzonika, C. Kittas, H. Sakkas, S. Levidiotou

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**P021 15:30 – 16:30**
**Host-pathogen interactions**

- P0433** **The role of staphylococci of breast milk in gut colonization and development of late-onset sepsis in preterm neonates**  
H. Soeorg\* (Tartu, Estonia), T. Metsvaht, I. Eelmäe, S. Treumuth, M. Merila, M. Ilmoja, I. Lutsar

- P0434** **Risk factors for visceral actinomycosis**  
N. Klimko\* (St. Petersburg, Russian Federation), D. Kozlova, A. Mirzabalaeva, V. Mitrofanov, Y. Avdeenko

- P0435**      **The absence of FAST protein (Fas-activated serine threonine phosphoprotein) increases the phagocytic capacity both *in vivo* and *in vitro* of macrophages against *E. coli* and *S. aureus***  
A. Orduna Domingo\* (Valladolid, Spain), A. García del Río, M. Simarro, L. Gonçalves, M. Bratos Perez, G. March Rosselló, D. Miguel Angel
- P0436**      **microRNA and immunity in cystic echinococcosis**  
F. Tamarozzi\* (Pavia, Italy), M. Mariconti, A. Vola, T. Manciuoli, F. Genco, V. Meroni, A. Casulli, E. Brunetti
- P0437**      **Phagetherapy prospective against sepsis caused by *Enterococcus faecalis* in animal model**  
N. Karumidze\* (Tbilisi, Georgia), L. Kusradze, M. Goderdzishvili, M. Katsitadze, I. Chkonia, T. Dvalidze, S. Riggava
- P0438**      **Detection and clinical implications of biofilm formation among clinical isolates of *Sphingomonas paucimobilis***  
U. Kilic\* (Sakarya, Turkey), T. Demiray, M. Koroglu, K. Yilmaz, A. Ozbek, M. Altindis
- P0439**      **Methicillin-resistant *Staphylococcus aureus* ST80 induce lower cytokine production by monocytes as compared to other clonal (ST) types**  
M. Papadimitriou Olivgeris\* (Patras, Greece), F. Kolonitsiou, A. Spiliopoulou, E. Drougka, M. Marangos, E. Anastassiou, I. Spiliopoulou
- P0440**      **Impact of supra and subphysiologic levels of testosterone and inhibition of androgen receptors in *Porphyromonas gingivalis*-induced bone loss**  
L. Spolidorio\* (Araraquara, Brazil), V. Gonçalves, J. Steffens, D. Palomari Spolidorio, C. Rossa Junior
- P0441**      **Influence of the genetic background in gastric MALT lymphoma development after infection by *Helicobacter* species in APRIL transgenic mice**  
P. Floch\* (Bordeaux, France), J. Izotte, J. Guillemaud, E. Sifré, P. Costet, B. Rousseau, A. Laur, A. Giese, F. Megraud, P. Dubus, M. Hahne, P. Lehours
- P0442**      **The prevalence and characteristics of Mycoplasma and *Ureaplasma* carriage in pregnant women, the prevalence of transmission to newborn and implication on pregnancy outcomes**  
A. Peretz\* (Tiberias, Israel), N. Pastukh, Y. Perlitz, A. Kushnir
- P0443**      **Role of adherence-specific virulence factors of *Streptococcus pneumoniae* in a zebrafish embryo meningitis model**  
K. Jim\* (Amsterdam, Netherlands), R. Aprianto, C. Kuijl, A. Van der Sar, W. Bitter, D. Van de Beek, J. Veening, C. Vandenbroucke-Grauls
- P0444**      **Different host-cell reactions to persistent infection of human fibroblasts with *C. trachomatis* and *S. aureus***  
M. Baier\* (Jena, Germany), C. Pöllath, C. Ebert, L. Tuchscher de Hauschopp, B. Haschke, K. Rennert, U. Neugebauer, B. Löffler
- P0445**      **Corticosteroid increased the adhesion of *Pseudomonas* to bronchial epithelial cells by syndecan-1**  
J. Zhang\* (Shanghai, China), D. Liu, J. Qu
- P0446**      **A conserved DXDXE motif and an active site serine residue, S269, are important for mucin deglycosylation activity of *Vibrio cholerae* extracellular chitinase ChiA2**  
M. Mondal\* (Kolkata, India), N. Chatterjee
- P0447**      **Bacteriophage infection of microbiota can lead to leaky gut – possible link between bacteriophages and mammalian pathologies**  
G. Tetz\* (New York, United States), V. Tetz
- P0448**      **Effects of colistin methanesulphonate on immune function of rat macrophages**  
Y. Cai\* (Beijing, China)
- P0449**      ***Rhizopus oryzae* *in vitro* growth and its uptake by macrophages are susceptible to changes in glucose concentrations and are altered even after glycaemic control**  
D. Corzo-Leon\* (Aberdeen, United Kingdom), A. Lopez, F. Alonso-Espineira
- P0450**      **Level of bacterium translocation biomarker at experimental compartment syndrome**  
A. Lavrinenko\* (Karaganda, Kazakhstan), E. Turgunov, Z. Koishibaev, D. Matyushko, L. Ahmaltdinova, D. Amanova, V. Troshin
- P0451**      **Exploiting the zebrafish embryo model to investigate *in vivo* pathogenicity of *Cronobacter sakazakii* strains isolated from clinical and non-clinical origin**  
A. Lehner\* (Zurich, Switzerland), A. Eshwar, J. Gangiredla, G. Gopinath, I. Patel, M. Pava-Ripoll, R. Goeriz Pearson, H. Chase, S. Fanning, B. Tall, R. Stephan
- P0452**      **Erythrocytes and thrombocytes impact bacterial growth and antimicrobial activity of selected antibiotics**  
A. Pröll\* (Vienna, Austria), S. Knotzer, S. Strommer, M. Zeitlinger
- P0453**      **Liver Th17/Treg interplay related to pathogenesis of both chronic HBV and HCV infection**  
C. Giadans\* (Buenos Aires, Argentina), D. Rios, S. Frias, L. Haddad, E. De Matteo, E. Mullen, P. Casciato, B. Ameigeiras, C. Brodersen, O. Galdame, D. Flichman, P. Valva, M. Preciado

- P0454** *Bartonella henselae* invades human mesenchymal stromal cells and modulates secretion of pro-angiogenic cytokines  
G. Piersigilli\* (Turin, Italy), S. Scutera, V. Salvi, D. Alotto, I. Cambieri, C. Castagnoli, S. Sozzani, T. Musso
- P0455** Prevention of periodontal disease in dogs: an experimental approach using an antimicrobial peptide  
E. Cunha\* (Lisbon, Portugal), A. Pinheiro, R. Santos, J. Moreira, B. São Braz, A. Veiga, L. Tavares, M. Oliveira
- P0456** Effect of *Saccharomyces boulardii*, *Lactobacillus rhamnosus* and antibiotic treatment on oxidative stress and intestinal mucosal healing during experimental colitis  
D. Wójcik\* (Kraków, Poland), K. Magierowska, Z. Śliwowski, M. Magierowski, M. Zwolińska-Wcisła, T. Brzozowski, S. Kwiecień
- P0457** *Staphylococcus aureus* can modulate the expression of cytokines and chemokines but not their relative protein release in *in vitro* infection models using human primary bone-forming cells  
J. Josse\* (Reims, France), C. Guillaume, C. Bour, F. Lemaire, C. Mongaret, F. Draux, F. Velard, S. Gangloff
- P0458** Impact of breast milk lavage on the oropharyngeal microbiota and local immunological defenses in preterm infants at risk of ventilator-associated pneumonia  
N. Bourgeois-Nicolaos\* (Chatenay-Malabry, France), S. Shankar Aguilera, E. Schwartz, V. Pontanier, M. Grimaldi, A. Renouf, F. Doucet-Populaire, D. De Luca
- P0459** Role of mast cells in pneumococcal meningitis  
J. Fritscher\* (Munich, Germany), S. Dyckhoff, M. Klein, B. Angele, H. Pfister, S. Hammerschmidt, U. Ködel
- P0460** Virulence of *Cryptococcus* VNI and VGII biofilms *in vitro* and *in vivo* using *Galleria mellonella*  
A. Fusco-Almeida\* (Araraquara, Brazil), T. Benaducci, J. Sardi, N. Lourencetti, L. Scorzoni, F. Gullo, S. Rossi, J. Braz, M. Azevedo Prata, A. Almeida, M. Mendes Giannini
- P0461** Proinflammatory effect of *Aspergillus flavus*/*Staphylococcus aureus* enterotoxin A on human nasal epithelial cells from allergic fungal rhinosinusitis patients (AFRS)  
P. Singh\* (Chandigarh, India), M. Shivaprakash, A. Ghosh, A. Das, N. Panda, A. Chakrabarti
- P0462** Immunomodulatory properties of the exopolysaccharide produced by a strain of *Bifidobacterium longum*  
R. Inturri\* (Catania, Italy), K. Mangano, R. Di Marco, G. Blandino
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- P022** 15:30 – 16:30  
New antibody and immunomodulatory approaches
- P0463** Anti-inflammatory drugs alter susceptibility and expression of virulence genes and proteins of staphylococci  
I. Ozturk\* (Izmir, Turkey), Y. Erac, P. Ballar-Kirmizibayrak, S. Ermertcan
- P0464** Monoclonal antibody administration provides five weeks of pertussis prophylaxis in newborn baboons: PoC for passive immunization to protect infants in the developing world  
J. Maynard\* (Austin, United States), A. Nguyen, R. Wolf, J. Papin, S. Connelly, M. Kaleko
- P0465** LPS neutralization is the main mode of action of an O-antigen-specific monoclonal antibody protective against *Klebsiella pneumoniae* ST258  
G. Nagy\* (Vienna, Austria), V. Szijarto, L. Guachalla, K. Hartl, C. Varga, E. Nagy
- P0466** Monoclonal antibody specific to the *Escherichia coli* ST131-025b clonal lineage shows bactericidal and anti-inflammatory activity against a clinical isolate carrying plasmid-encoded colistin resistance  
L. Guachalla\* (Vienna, Austria), K. Hartl, A. Ghazawi, T. Pal, A. Sonnevend, G. Nagy, V. Szijarto
- P0467** Turning bacterial defence systems into suicide buttons. Toxin-antitoxin systems as novel antimicrobial targets  
M. Rownicki\* (Warsaw, Poland), M. Wojciechowska, A. Markowska-Zagrajek, D. Bartosik, J. Trylska
- P0468** Safety and tolerability of a single administration of AR-301, a human monoclonal antibody, in patients with severe pneumonia caused by *Staphylococcus aureus*: first in man trial  
B. Francois\* (Limoges, France), E. Mercier, K. Asehnoune, S. Nseir, M. Fiancette, C. Gonzalez, O. Barraud, P. de Lame, P. Laterre
- P0469** Efficacy of ASN100, a combination of two human monoclonal antibodies neutralizing six *Staphylococcus aureus* cytotoxins, in a CA-MRSA rabbit necrotizing pneumonia model  
L. Stulik\* (Vienna, Austria), D. Labrousse, D. Croisier, G. Nagy, E. Nagy



**P0470** Synergistic inhibition of the concerted action of six *Staphylococcus aureus* cytotoxins with ASN100, a combination of two monoclonal antibodies  
H. Rouha\* (Vienna, Austria), B. Maierhofer, K. Gross, A. Badarau, I. Dolezilkova, S. Weber, L. Stulik, E. Nagy

**P0471** Safety and pharmacokinetics of ASN100, a monoclonal antibody combination for the prevention and treatment of *Staphylococcus aureus* infections, from a single ascending-dose phase 1 clinical study in healthy adult volunteers  
Z. Magyarics\* (Vienna, Austria), F. Leslie, S. Luperchio, J. Bartko, C. Schörghofer, M. Schwameis, U. Derhaschnig, H. Lagler, L. Stiebellehner, B. Jilma, E. Nagy, C. Stevens

**P0472** Anti-clumping factor A (ClfA) and anti-alpha toxin (AT) mAb combination provides protection and strain coverage in a *S. aureus* diabetic lethal bacteraemia model  
C. Tkaczyk\* (Gaithersburg, United States), O. Jones, T. Cohen, Y. Shi, L. Cheng, K. Stover, B. Sellman

**P0473** Protective efficacy of a D-alanine auxotroph *Staphylococcus aureus* as a vaccine candidate against staphylococcal disease  
P. García-Fernández\* (A Coruña, Spain), M. Moscoso, M. Póvoa Cabral, C. Rumbo, G. Bou Arevalo

**P0475** Antibacterial activity of CD201, a novel lipopolysaccharide-binding antibacterial immunotherapy, against recent Gram-negative clinical isolates, including colistin-resistant strains  
J. Locke\* (San Diego, United States), C. La Chat, A. Almaguer, J. Donatelli, A. Borchardt, J. Balkovec, K. Bartizal

**P023** 15:30 – 16:30

#### Reducing MDR Gram-negatives – myths and facts

**P0476** Usefulness of continuous screening for multidrug-resistant Gram-negative bacteria on NICUs? A retrospective cohort study.  
T. Kramer\* (Berlin, Germany), P. Gastmeier, B. Piening

**P0477** Antimicrobial activity of octenidine against multidrug-resistant Gram-negative pathogens  
L. Poirel\* (Fribourg, Switzerland), R. Alvarez-Marín, M. Aires de Sousa, N. Kieffer, P. Nordmann

**P0478** *Serratia marcescens* outbreak investigation: a threatening pathogen in a neonatal intensive care unit  
T. Guimaraes\* (São Paulo, Brazil), S. Figueiredo Costa, M. Moura, P. Dantas da Silva Rebelo, V. Krebs, C. Tragante, C. Rizek, L. Perdigão Neto, F. Rossi

**P0479** Successful containment of carbapenem-resistant Enterobacteriaceae spread was effective also in reducing extended-spectrum beta-lactamase infection. Experience at a multiorgan transplant institute  
A. Mularoni\* (Palermo, Italy), M. Campanella, G. Vizzini, D. Di Carlo, C. Di Benedetto, F. Tuzzolino, M. Fazzina, B. Ragonese, U. Palazzo, A. Luca, P. Conaldi, P. Grossi

**P0480** Extended-spectrum beta-lactamase-producing Enterobacteriaceae among healthy pregnant women in Switzerland: preliminary results of an ongoing cross-sectional study  
D. Vuichard Gysin\* (Münsterlingen, Switzerland), S. Tschudin-Sutter, D. Huang, D. Nogarth, M. Dangel, I. Hoesli, A. Widmer

**P0481** Comparison of risk factors for colonization with multidrug-resistant Gram-negative bacteria and MRSA in repatriated patients  
E. Lemmenmeier\* (St. Gallen, Switzerland), M. Schlegel, B. Mani, G. Rettenmund, W. Albrich

**P0482** A large outbreak of VIM-2-positive multidrug-resistant *Pseudomonas aeruginosa*: two matched case-control studies to identify risk factors and the best control  
M. Vos\* (Rotterdam, Netherlands), A. Voor in 't Holt, J. Severin, M. Hagenaars, I. de Goeij, D. Gommers

**P0483** Independent epidemiological role of carbapenem non-susceptibility in *Pseudomonas aeruginosa* infections  
D. Marchaim\* (Zerifin, Israel), T. Aviv, T. Lazarovitch, D. Katz, R. Zaidenstein, M. Dadon, C. Daniel

**P0484** Gastrointestinal colonization with carbapenem-resistant Enterobacteriaceae among patients hospitalized in Warsaw and Mazovia Voivodeship – the results of PPS in January 2016  
D. Zabicka\* (Warsaw, Poland), J. Krszyna, A. Tymoczko, A. Guzek, A. Iwańska, A. Magdziak, K. Bojarska, E. Literacka, A. Baraniak, M. Herda, K. Malinowska, E. Stefaniuk, W. Hryniewicz

**P0485** Clinical and epidemiological characteristics of multidrug-resistant bacteria at a tertiary hospital  
Y. Pedrosa Fernández\* (San Cristobal de la Laguna, Spain), L. Sante, Z. Díaz, M. Ramos, R. Kohan, M. Lecuona

- P0486** **Intestinal carriage of resistant bacteria and *Clostridium difficile* in nursing homes in the Netherlands – a point prevalence study**  
E. Smid\* (Bilthoven, Netherlands), L. Verhoef, E. Stobberingh, E. Kuijper, S. de Greeff, M. Heck
- P0487** **Whole-genome sequencing of uropathogenic *Escherichia coli* bacteraemia reveals alignments of genetic and clinical characteristics**  
C. Goswami\* (Glasgow, United Kingdom), S. Fox, A. Leanord, T. Evans
- P0488** **Characterization of a Canadian nosocomial outbreak of *Acinetobacter baumannii* harbouring OXA-235-like carbapenemase using whole-genome sequence analysis**  
M. Mulvey\* (Winnipeg, Canada), L. Mataseje, A. Gray, B. Lefebvre, S. Levesque, C. Bogaty, Y. Longtin
- P0489** **Infections by pandrug-resistant *Acinetobacter baumannii* in two tertiary care hospitals: clinical characteristics, treatment and outcomes**  
C. Tsioutis\* (Nicosia, Cyprus), E. Bolikas, S. Karageorgos, N. Spernavasilis, S. Soundoulounaki, A. Gikas
- P0490** **Rapid molecular diagnostics on room samples after transfers of patients carrying carbapenemase-producing Enterobacteriaceae**  
J. da Silva Voorham\* (Groningen, Netherlands), C. Gartzonika, M. Lokate, C. Brühwasser, J. Rossen, A. Friedrich, E. Bathoorn
- P0491** **Peripartum maternal transmission of ESBL organism to newborn**  
A. Peretz\* (Tiberias, Israel), N. Pastukh, Y. Perlitz, A. Kushnir
- P0492** **Beta-lactam resistance mechanisms in *Enterobacteria* isolated during the surveillance of a critical paediatric ward**  
D. Dolce\* (Florence, Italy), N. Ravenni, E. Camera, G. Taccetti, C. Braggion, M. Pennica, M. Calamandrei, S. Avenali, S. Campana
- P0493** ***A. baumannii* OXA-378 multidrug-resistant clone emerges in the clinical setting**  
L. Al-Hassan\* (Brighton, United Kingdom), M. Zafer, R. Abdel Hamid, H. El-Mahallawy
- P0494** **Prevalence and genetic diversity of *blaKPC*-isolates identified in sink drains and p-traps in an intensive care unit**  
N. Stoesser\* (Oxford, United Kingdom), A. Sheppard, D. Eyre, S. Dudley, R. Sebra, T. Peto, A. Walker, D. Crook, K. Barry, S. Kotay, A. Mathers
- P0495** **Recurrent outbreak of *Serratia marcescens* infections in a Tunisian ICU**  
B. Mnif\* (Sfax, Tunisia), K. Chtara, S. Ktari, M. Bahloul, M. Bouaziz, A. Hammami
- P0496** **No increased risk of nosocomial infection for patients with rectal ESBL-E colonization**  
R. Leistner\* (Berlin, Germany), P. Gastmeier, L. Denkel
- P0497** **KPC-producing *Klebsiella pneumoniae* outbreak associated with an environmental reservoir in an ICU**  
C. Legeay\* (Angers, France), P. Fesard, C. Lemarié, M. Kempf, J. Zahar, S. Lasocki
- P0498** **Surveillance of carbapenemase producing *Klebsiella pneumoniae* and healthcare-associated infections: data collected in Sant'Anna Hospital, Como, Italy, 2013–2016**  
R. Mauri\* (Como, Italy), A. Genasetti, R. Mauri, M. Valli, F. Nava, D. Cappelletti, S. Cimetti, M. Busnelli, P. Figini, S. Armitano, L. Frigerio, E. Sala
- P0499** **Whole-genome sequencing reveals horizontal transmission more likely with carbapenemase-producing Enterobacteriaceae than non-carbapenemase-producing carbapenem-resistant Enterobacteriaceae in critical care units**  
P. Chia\* (Singapore, Singapore), D. Ng, K. Marimuthu, W. Khong, B. Poh, P. Rao, P. De, B. Ang
- P0500** **Analysis of nosocomial outbreaks caused by *Acinetobacter baumannii* and *Pseudomonas aeruginosa***  
K. Wieland\* (Hannover, Germany), P. Chhatwal, R. Vonberg
- P0501** **Control measures for dissemination of multi-resistant bacteria in a general hospital of Fortaleza/Ceará, Brazil**  
K. Napoles\* (Fortaleza, Brazil), R. Luiz
- P0502** **High prevalence of multidrug-resistant Gram-negative organisms in HIV-positive men**  
C. Reinheimer\* (Frankfurt, Germany), D. Keppler, C. Stephan, T. Wichelhaus, I. Friedrichs, V. Kempf
- P0503** **Clinical characteristics and outcome of patients with early- and late-onset nosocomial carbapenem-resistant *Klebsiella pneumoniae* infections**  
C. Chuang\* (Taipei, Taiwan), C. Su, Y. Lin, Y. Chuang, L. Siu, C. Fung
- P0504** **Comparative epidemiology of endemic *blaIMP4*-mediated CPE and globally epidemic mechanisms in an Australian health service**  
M. Trad\* (Wollongong, Australia), R. Noh, D. Kotsanas, R. Stuart, M. Graham, B. Rogers

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P0505</b> | <b>Concomittant outbreak of extended-spectrum beta-lactamase and carbapenemase-producing <i>Klebsiella pneumoniae</i> in a Swiss neonatal intensive care unit</b><br><i>E. Moulin*</i> (Lausanne, Switzerland), <i>D. Blanc</i> , <i>M. Abdelbary</i> , <i>I. Federli Hanachi</i> , <i>G. Greub</i> , <i>M. Roth-Kleiner</i> , <i>C. Petignat</i>                                                                                                                                                                                                            | <b>P024</b>                                      | <b>15:30 – 16:30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>P0506</b> | <b>A comparison of two screening methods to detect pre-operative colonization with antibiotic Enterobacteriaceae in patients undergoing colorectal surgery</b><br><i>F. Burns*</i> (Leeds, United Kingdom), <i>M. Kailavasan</i> , <i>K. Fatania</i> , <i>S. Nasir</i> , <i>D. Burke</i> , <i>A. Kirby</i>                                                                                                                                                                                                                                                   | <b>Infection control: update and limitations</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>P0507</b> | <b>Incidence of infection by carbapenem-resistant <i>Enterobacteria</i> in patients with positive surveillance culture in the intensive care unit</b><br><i>J. Villa*</i> (Medellín, Colombia), <i>J. Villa Franco</i> , <i>C. Agudelo</i> , <i>A. Hidron</i> , <i>S. Penagos</i> , <i>N. Zapata</i> , <i>V. Gomez</i> , <i>C. Restrepo</i> , <i>F. Ramirez</i> , <i>A. Valencia</i> , <i>M. Zuluaga</i> , <i>A. Colina</i> , <i>M. Velez</i> , <i>C. Cruz</i> , <i>E. Vallejo</i> , <i>P. Sierra</i>                                                        | <b>P0513</b>                                     | <b>Pilot survey on infection control bundles in middle income countries</b><br><i>E. Alp Mese*</i> (Kayseri, Turkey), <i>B. Cookson</i> , <i>T. Akhvlediani</i> , <i>A. Aqel</i> , <i>F. Yilmaz</i> , <i>B. Carević</i> , <i>R. Del Vecchio</i> , <i>R. Fernandez</i> , <i>A. Mostafa Kamal</i> , <i>R. Vatcheva-Dobrevska</i> , <i>P. Wongsurakiat</i> , <i>J. Rello</i> , <i>E. Presterl</i> , <i>D. Bardhi</i> , <i>G. Dragovac</i> , <i>A. Kumar</i> , <i>B. Tagisoy</i> , <i>C. Popescu</i> , <i>A. Bolaji Tihamiyu</i> , <i>A. Dedeic-Ljubovic</i> |
| <b>P0508</b> | <b>A 5-year population whole-genome sequencing study of carbapenemase-producing Enterobacteriaceae from Singapore (2010 to 2015): the CaPES study group</b><br><i>O. Ng*</i> (Singapore, Singapore), <i>W. Khong</i> , <i>J. Lee</i> , <i>K. Marimuthu</i> , <i>I. Venkatachalam</i> , <i>T. Koh</i> , <i>B. Cherng</i> , <i>M. La</i> , <i>P. De</i> , <i>T. Tan</i> , <i>R. Fong</i> , <i>S. Pada</i> , <i>L. Lam</i> , <i>S. Ooi</i> , <i>R. Narayana</i> , <i>N. Smitasin</i> , <i>E. Tan</i> , <i>N. Tee</i> , <i>T. Koh Cheng</i> , <i>T. Yik-Ying</i> | <b>P0514</b>                                     | <b>Next-generation sequencing in a hospital outbreak situation experience from the developing world</b><br><i>A. Rohit*</i> (Chennai, India), <i>S. Dorairajan</i> , <i>I. Dhinakaran</i> , <i>J. Joy</i> , <i>K. Ballamoole</i> , <i>I. Karunasagar</i> , <i>K. Prior</i> , <i>D. Harmsen</i>                                                                                                                                                                                                                                                           |
| <b>P0509</b> | <b>Sequential rectal colonization of intensive care unit patients by <i>Acinetobacter baumannii</i> over time</b><br><i>G. Al Hashem*</i> (Jabrya, Kuwait), <i>M. Albert</i> , <i>V. Rotimi</i>                                                                                                                                                                                                                                                                                                                                                              | <b>P0515</b>                                     | <b>Blood culture contamination rate increase in a tertiary teaching hospital: analysis of causes and successful educational intervention.</b><br><i>K. Nadrah*</i> (Ljubljana, Slovenia), <i>M. Pirs</i> , <i>B. Pečavar</i> , <i>J. Munih</i> , <i>M. Mueller-Premru</i> , <i>T. Lejko Zupanc</i>                                                                                                                                                                                                                                                       |
| <b>P0510</b> | <b>Five-year observation after CRE introduction in a high-complexity hospital: what have we learned about surveillance, outbreaks and molecular epidemiology?</b><br><i>C. Abboud*</i> (São Paulo, Brazil), <i>J. Mello</i> , <i>J. Monteiro</i> , <i>E. Souza</i> , <i>V. Barbosa</i> , <i>A. Pignatari</i> , <i>C. Kiffer</i>                                                                                                                                                                                                                              | <b>P0516</b>                                     | <b>Health insurance, single-bed rooms and multi-drug-resistant organisms (MDRO) in a German university hospital</b><br><i>F. Maechler*</i> (Berlin, Germany), <i>F. Schwab</i> , <i>A. Bloch</i> , <i>L. Pena Diaz</i> , <i>A. Kola</i> , <i>P. Gastmeier</i>                                                                                                                                                                                                                                                                                            |
| <b>P0511</b> | <b>An outbreak of nosocomial bacteraemia caused by <i>Burkholderia gladioli</i> in three Croatian hospitals</b><br><i>K. Dobrovic*</i> (Zagreb, Croatia), <i>I. Mareković</i> , <i>M. Payerl-Pal</i> , <i>A. Lukić-Grlić</i> , <i>S. Sestan Crnek</i> , <i>J. Škrln</i>                                                                                                                                                                                                                                                                                      | <b>P0517</b>                                     | <b>The microbiome and the enteropathogenetic syndrome: risk for recurrent infections</b><br><i>S. Corcione*</i> (Torino, Italy), <i>R. Angilletta</i> , <i>S. Raviolo</i> , <i>C. Filippini</i> , <i>L. Fossati</i> , <i>R. Cavallo</i> , <i>G. Di Perri</i> , <i>F. de Rosa</i>                                                                                                                                                                                                                                                                         |
| <b>P0512</b> | <b>McRAPD typing as a new rapid tool for nosocomial infection surveillance and epidemiology – evaluation on the model of <i>Burkholderia cepacia</i> complex infection in cystic fibrosis</b><br><i>V. Raclavsky*</i> (Olomouc, Czech Republic), <i>L. Navratilova</i> , <i>R. Novotny</i> , <i>M. Zapalka</i> , <i>P. Jakubec</i>                                                                                                                                                                                                                           | <b>P0518</b>                                     | <b>Are there enough nurses in Turkey? Results of the multicentre Karia study</b><br><i>A. Uyan*</i> (Izmir, Turkey), <i>G. Durmus</i> , <i>N. Sezak</i> , <i>F. Pepe</i> , <i>T. Kaygusuz</i> , <i>F. Aksoy</i> , <i>S. Erol</i> , <i>M. Meriç Koç</i> , <i>A. Öncül</i> , <i>S. Aktaş</i> , <i>H. Çaşkurlu</i> , <i>G. Celebi</i> , <i>G. Evik</i> , <i>H. Ozger</i> , <i>R. Harman</i> , <i>M. Isikgöz Tasbakan</i> , <i>B. Arda</i> , <i>S. Ulusoy</i> , <i>O. Sipahi</i>                                                                             |
|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>P0519</b>                                     | <b>Bacteriological control of healthcare worker mobile phones in an Algerian hospital</b><br><i>B. Mohamed Azzedine*</i> (Alger, Algeria), <i>D. Fazia</i> , <i>S. Siamer</i> , <i>I. Denni</i> , <i>H. Djazia</i> , <i>S. Gourari</i> , <i>T. Mohamed</i>                                                                                                                                                                                                                                                                                               |
|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>P0520</b>                                     | <b>Improvement of infection prevention and control management by using immediate molecular evaluation of pathogen clusters</b><br><i>F. Guenther*</i> (Heidelberg, Germany), <i>N. Mutters</i> , <i>K. Heeg</i> , <i>N. Henny</i>                                                                                                                                                                                                                                                                                                                        |

- P0521**      **Electronic guidance for urinary catheters, urine cultures and UTI treatment: a cluster-randomized, cross-over study**  
*A. Carlson\** (Saint Louis, United States), *K. McMullen*,  
*S. Larkin*, *M. Thoele*, *G. Cisló*, *D. Warren*,  
*J. Marschall*
- P0522**      **Do increased efforts in infection prevention lead to a decrease in the prevalence of health-care-associated infections and antibiotic usage?**  
*S. Aghdassi\** (Berlin, Germany), *S. Hansen*,  
*B. Piening*, *M. Behnke*, *L. Pena Diaz*, *M. Rosenbusch*,  
*A. Gropmann*, *C. Schröder*, *P. Gastmeier*
- P0523**      **Carriage of selected alarm pathogens in haematological patients hospitalized in a university-affiliated hospital**  
*M. Wroblewska\** (Warsaw, Poland), *O. Saran*,  
*D. Bienko*, *A. Milner*, *A. Sulowska*, *B. Sulik-Tyszka*
- P0524**      **Evaluation of the sensitivity of ATP metres and swabs to monitor bacterial load in healthcare environments**  
*O. Brouwers\** (Heerlen, Netherlands), *L. Peeters*,  
*B. Jutten*, *B. Teunissen*, *F. Crijns*
- P0525**      **Reductions in MRSA-, *C. difficile*- and intensive care unit (ICU)-acquired bloodstream infection over 9 years from 276 ICUs: analysis of the Intensive Care National Audit and Research Centre (ICNARC) dataset**  
*R. Batra\** (London, United Kingdom), *J. Wulff*,  
*D. Harrison*, *J. Edgeworth*
- P0526**      **The survey of bacterial contamination of bottled water intended for haematopoietic stem-cell transplant patients**  
*D. Grau\** (Montpellier, France), *S. Baranovsky*,  
*M. Melhem*, *Y. Hicheri*, *E. Jumas-Bilak*, *S. Romano-Bertrand*

P025 12:30 – 13:30

## Microbial pathogenesis and virulence

**P0527** *Candida auris* is highly virulent and can form biofilms: a new level of resistance  
R. Richardson\* (Manchester, United Kingdom),  
L. Sherry, G. Ramage, R. Kean, A. Borman,  
E. Johnson, M. Richardson

**P0528** Virulence of *Candida* species in a new *Caenorhabditis elegans* infection model  
J. Vildershøj Bjørnholt\* (Oslo, Norway), K. Fiane  
Christensen, P. Gaustad, R. Assalkhou

**P0529** Association between *Candida* and bloodstream infections with staphylococci and enterococci  
N. Frimodt-Møller\* (Copenhagen, Denmark),  
S. Rasmussen

**P0530** MAPLE fabricated coatings based on antimicrobial functionalized magnetite nanoparticles embedded into poly(lactic-co-glycolic acid) spheres  
V. Grumezescu\* (Magurele, Romania), I. Negut,  
A. Holban, M. Chifiriuc, A. Grumezescu, F. Iordache,  
R. Trusca, G. Socol

**P0531** On *Bacteroides fragilis* participation in vulvar carcinogenesis  
O. Bogomolova\* (Rostov-on-Don, Russian Federation),  
Z. Tatiana, G. Neroda, V. Nikitina, E. Verenikina,  
O. Kravtsova

**P0532** Distribution of *bft* gene and its subtypes among *Bacteroides fragilis* isolates from Hungarian clinical samples  
K. Sarvari\* (Szeged, Hungary), J. Soki, M. Ivan,  
C. Miszt, K. Latkoczy, S. Melegh, E. Urbán

**P0533** Genomic comparison of isolates of *Acinetobacter baumannii* belonging to ST-2 clone isolated in 2000 and 2010  
M. Lopez\* (A Coruña, Spain), A. Rueda, J. Florido,  
L. Blasco, L. Fernandez Garcia, F. Fernández-Cuenca,  
L. Martinez-Martinez, J. Vila Estape, A. Pascual  
Hernandez, G. Bou Arevalo, M. Tomas Carmona

**P0534** *In vivo* transcriptomic analysis of *Acinetobacter baumannii* ATCC 17978 reveals that the A1S\_0242 gene is involved in the course of pneumonia infection  
L. Alvarez-Fraga\* (A Coruña, Spain), J. Vázquez-Ucha,  
M. Martínez Guitián, J. Vallejo, G. Bou Arevalo,  
A. Beceiro, M. Poza

**P0535** *In vitro* effect of hypoxia on the infections caused by *Acinetobacter baumannii* and *Pseudomonas aeruginosa*  
M. Gil Marqués\* (Seville, Spain), M. Pachon-Ibáñez,  
J. Pachon-Diaz, Y. Smani

**P0536** *In vivo* effect of hypoxia on infections caused by *Acinetobacter baumannii* and *Pseudomonas aeruginosa* in different murine models  
M. Gil Marqués\* (Seville, Spain), Y. Smani,  
J. Pachon-Diaz, M. Pachon-Ibáñez

**P0537** Virulence potential of *Acinetobacter baumannii* strains isolated from neonatal nasogastric feeding tube in intensive care units  
K. Dahmani\* (Nottingham, United Kingdom),  
M. Saad, P. Ogrodzki, J. Winter, T. Osaili, S. Forsythe

**P0538** Complete genome of a newly isolated multidrug-resistant *Acinetobacter baumannii* lytic bacteriophage Abp12  
Y. Feng\* (Chengdu, China), W. Zhou, Z. Zong

**P0539** Effect of different efflux pump inhibitors in antimicrobial resistance and virulence in the *Galleria mellonella* infection model in *Acinetobacter baumannii* AB5075  
C. Cosgaya Castro\* (Barcelona, Spain), I. Roca,  
D. Wareham, J. Vila Estape

**P0540** Implication of the *Acinetobacter baumannii* A1S\_3245 gene (*hisF*) in lung persistence and pneumonia infection  
M. Martínez Guitián\* (A Coruña, Spain), J. Vázquez-Ucha,  
L. Alvarez-Fraga, J. Vallejo, G. Bou Arevalo,  
M. Poza, A. Beceiro

**P0541** Salicydene acylhydrazides and hydroxyquinolines decrease type three secretion system (T3SS)-dependent cytotoxicity induced by *Pseudomonas aeruginosa* (P.a.) clinical isolates  
F. Van Bambeke\* (Brussels, Belgium),  
A. Anantharajah, C. Sundin, M. Mingeot-Leclercq,  
P. Tulkens

**P0542** Evaluation of blood-brain barrier permeability of *Pseudomonas aeruginosa* virulence factor pyocyanin  
M. Rashid\* (Islamabad, Pakistan), S. Andleeb



- P0543** *Burkholderia stabilis* outbreak associated with contaminated wash gloves: description and genome sequence of an opportunistic pathogen  
A. Egli\* (Basel, Switzerland), H. Seth-Smith, D. Meinel, D. Blanc, M. Abdelbary, S. Droz, U. Fuehrer, C. Casanova, C. Lang, O. Dubuis, M. Schlegel, R. Sommerstein, A. Widmer, P. Keller, J. Marschall
- P0544** A proteomics approach towards the understanding of the *Staphylococcus epidermidis* pathogenicity  
M. Miragaia\* (Oeiras, Portugal), V. Magalhães, I. Moura, D. Espadinha, S. Anjo, R. Sobral, B. Manadas, A. Varela Coelho
- P0545** Hypoxic response protein 1 (Rv2626c) in *Mycobacterium smegmatis* enhances mycobacterial survival under hypoxia and augments the pro-inflammatory response in murine macrophages  
B. Lang\* (Chengdu, China), S. Changfeng, L. Tao
- P0546** Human cytomegalovirus infection promotes the cell proliferation and migration activities in colorectal cancer-derived cell lines  
Y. Chan\* (Taipei, Taiwan), W. Teo, J. Chen, J. Huang
- P0547** NGS-based analysis of persistent *Listeria monocytogenes* isolates  
A. Pietzka\* (Vienna, Austria), A. Murer, P. Hyden, A. Lennkh, F. Allerberger, A. Indra, B. Springer, S. Lepuschitz, W. Ruppitsch
- P0548** Whole-genome sequence-based virulence gene profiling of the 2009/10 listeriosis outbreak isolates and genetically related non-outbreak isolates  
P. Hyden\* (Vienna, Austria), A. Pietzka, S. Huhulescu, F. Allerberger, T. Rattei, W. Ruppitsch
- P0549** Investigation of *Streptococcus pyogenes* virulence factors and typing of MLVF method  
H. Turk Dagı\* (Konya, Turkey), S. Yuksekkaya, T. Seyhan, D. Findik, E. Tuncer, U. Arslan
- P0550** Clindamycin still suppresses virulence expression in *Staphylococcus aureus* clindamycin-inducible resistant strains  
E. Hodille\* (Lyon, France), C. Badiou, C. Bouveyron, M. Bes, A. Tristan, F. Vandenesch, G. Lina, O. Dumitrescu
- P0551** Molecular characterization of the Ess/Type VII secretion system in *Staphylococcus lugdunensis*  
J. Lebeurre\* (Rouen, France), S. Dahyot, I. Tournier, P. François, M. Pestel-Caron
- P0552** Virulence gene profiles as well as adherence- and invasion capacity of MRSA CC22, t032 from sporadic cases do not differ from isolates from a hospital outbreak  
M. Slott Jensen\* (Odense, Denmark), M. Skov, M. Detlefsen, A. Holm, H. Kolmos, T. Andersen, M. Kemp
- P0553** Microbiologic, molecular and clinical features of *Corynebacterium striatum* isolated from blood culture  
S. Kang\* (Gwangju, South Korea), S. Kim, U. Kim, H. Jang, K. Park, J. Shin, S. Jung
- P0554** Demonstration of *in vitro* probiotic properties of *Lactobacillus* strains isolated from the vaginal flora of healthy women and their antagonistic activity against some pathogens  
S. Kızılyıldırım\* (Adana, Turkey), C. Onlen, F. Köksal
- P0555** Association of CsrA alleles with variations in pathology of *Helicobacter pylori*  
C. Kao\* (Tainan City, Taiwan), W. Chang, B. Sheu, H. Yang, J. Wu
- P0556** Structural basis for ligand recognition and specificity by sensory domain of *Campylobacter jejuni* transducer-like protein 3  
M. Machuca\* (Clayton, Australia), G. Watson, A. Roujeinikova
- P0557** *Campylobacter concisus* pathotypes isolated from diarrhoeal stool samples  
R. Kofol\* (Ljubljana, Slovenia), T. Matos, I. Berce, T. Milanič Koron, M. Pirs
- P0558** Use of the CRISPR/Cas9 gene editing technology to study patho-adaptive mutations of *Escherichia coli* in a cystic fibrosis patient  
L. Cremet\* (Nantes, France), A. De Cian, S. Delanou, C. Chaillou, P. Heisig, K. Asehnoune, J. Concordet, N. Caroff
- P0559** Difference of virulence factors, clinical presentation according to phylogenetic group in uropathogenic *E. coli* strains isolated from Korean patients  
H. Kim\* (Daegu, South Korea), W. Baek, S. Ryu

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P0560</b>                                                  | <b>A reduction of butyrate-producing species in renal disease</b><br><i>M. Terpstra*</i> (Amsterdam, Netherlands), <i>M. Sinnige, F. Bemelman, S. Geerlings</i>                                                                                                                                                                                                                                                        | <b>P0571</b> | <b>Evaluation of bacterial flora diversity in the teeth with pulp necrosis and purulent inflammation of the periapical tissues in adults using metagenomic analyses</b><br><i>M. Wroblewska*</i> (Warsaw, Poland), <i>A. Burczynska, P. Decewicz, M. Dyda, L. Rodek, A. Kapala, I. Strużycka, L. Dziewit</i>                      |
| <b>P0562</b>                                                  | <b>Cinnamaldehyde inhibits swarming motility and urease expression of <i>Proteus mirabilis</i> in a dose dependent manner</b><br><i>A. Aygül*</i> (Ege, Turkey), <i>I. Öztürk, Ş. Ermertcan</i>                                                                                                                                                                                                                        | <b>P0572</b> | <b>Evaluation of the effects of the biofilm and planktonic forms of <i>Corynebacterium amycolatum</i> strains on Jurkat cell line</b><br><i>A. Olender*</i> (Lublin, Poland), <i>A. Magryś, J. Niedźwiadek, J. Tatarkiewicz</i>                                                                                                   |
| <b>P0563</b>                                                  | <b>Characterization and virulence factors of <i>Escherichia coli</i> K1 strains isolated from neonatal with sepsis</b><br><i>M. Saad*</i> (Nottingham, United Kingdom), <i>K. Dahmani, P. Ogrodzki, J. Winter, S. Forsythe</i>                                                                                                                                                                                         | <b>P0573</b> | <b>Micafungin exerts a differential immunomodulatory effect on human monocytes exposed to mature biofilms of <i>Candida albicans</i> or <i>Candida parapsilosis</i></b><br><i>E. Roilides*</i> (Thessaloniki, Greece), <i>M. Simitsopoulou, K. Chlichlia, I. Stamouli, T. Walsh</i>                                               |
| <b>P0564</b>                                                  | <b>Genome-scale transposon mutagenesis identifies <i>Neisseria meningitidis</i> genes involved in adhesion to, and invasion of respiratory epithelial cells</b><br><i>P. Kuppusamy*</i> (Guildford, United Kingdom), <i>T. Mendum, J. Ritchie, J. McFadden</i>                                                                                                                                                         | <b>P0574</b> | <b>Anti-biofilm potential effect of <i>Lactococcus lactis</i> CNM81 strain isolated from raw milk on <i>Salmonella</i> Typhimurium SL1344 biofilm</b><br><i>N. Taskale Karatug*</i> (Ankara, Turkey), <i>F. Yuksel, C. Ozdemir, C. Gürçan, S. Ugur, Ç. Çelik, M. Akçelik</i>                                                      |
| <b>P0565</b>                                                  | <b>Phenotypic and molecular characterization of <i>Klebsiella pneumoniae</i> isolated from neonatal nasogastric feeding tubes</b><br><i>M. Saad*</i> (Nottingham, United Kingdom), <i>K. Dahmani, P. Ogrodzki, J. Winter, T. Osaili, S. Forsythe</i>                                                                                                                                                                   | <b>P0575</b> | <b>The impact of biofilm-producing multidrug-resistant bacteria on the outcome of diabetic foot infection: a prospective study</b><br><i>N. Saltoglu*</i> (Istanbul, Turkey), <i>A. Vatan, S. Surme, M. Yemisen, M. Diabetic Foot Study Group</i>                                                                                 |
| <b>P0566</b>                                                  | <b>Impact of the carbapenemase OXA-48 on bacterial fitness and pathogenicity</b><br><i>S. Göttig*</i> (Frankfurt, Germany), <i>A. Hamprecht, J. Sommer, C. Brender, T. Tsetkov, M. Willmann, Y. Stelzer, S. Christ, A. Saleh, C. Imirzalioglu, U. Nübel</i>                                                                                                                                                            | <b>P0576</b> | <b>Immunomodulatory effects of colistin on human monocytes exposed to mature biofilms of carbapenem-resistant <i>Klebsiella pneumoniae</i></b><br><i>A. Geladari*</i> (Thessaloniki, Greece), <i>M. Simitsopoulou, I. Stamouli, C. Antachopoulos, E. Roilides</i>                                                                 |
| <b>P0567</b>                                                  | <b>Whole genome analysis of a OXA-48 producing <i>Klebsiella pneumoniae</i> causing an outbreak revealed a novel chaperone-usher fimbriae system involved in adherence to eukaryotic cells</b><br><i>E. Gato*</i> (A Coruña, Spain), <i>L. Alvarez-Fraga, J. Vallejo, S. Rumbo-Feal, M. Martínez Guitián, A. Beceiro, J. Ramos-Vivas, M. Lázaro-Díez, M. Pérez-Vázquez, J. Oteo, M. Poza, G. Bou Arevalo, A. Pérez</i> | <b>P0577</b> | <b>In vitro effects of antimicrobial agents on <i>Candida albicans</i> and <i>Staphylococcus aureus</i> polymicrobial biofilms</b><br><i>M. Tuysuz*</i> (Istanbul, Turkey), <i>A. Birteksoz Tan</i>                                                                                                                               |
| <b>P026</b>                                                   | <b>12:30 – 13:30</b>                                                                                                                                                                                                                                                                                                                                                                                                   | <b>P0578</b> | <b>Screening of a <i>bursa aurealis</i> transposon library identifies major protein families involved in biofilm formation by <i>Staphylococcus aureus</i> USA300</b><br><i>S. De Backer*</i> (Wilrijk, Belgium), <i>C. Vanmarsenille, W. Vermeulen, K. Holappa, H. De Greve, H. Goossens, J. Hernalsteens, S. Malhotra-Kumar</i> |
| <b>Biofilms: new developments and anti-biofilm modalities</b> |                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>P0579</b> | <b>Biofilm formed by <i>Staphylococcus aureus</i> and fosfomycin</b><br><i>C. Forestier*</i> (Clermont-Ferrand, France), <i>C. Marques, F. Christine, N. Charbonnel, S. Chatellier</i>                                                                                                                                            |
| <b>P0568</b>                                                  | <b>Bacterial biofilm in salivary stones</b><br><i>R. Perez Tanoira*</i> (A Estrada, Spain), <i>A. Aarnisalo, A. Haapaniemi, R. Saarinen, P. Kuusela, T. J. Kinnari</i>                                                                                                                                                                                                                                                 |              |                                                                                                                                                                                                                                                                                                                                   |
| <b>P0569</b>                                                  | <b>Influence of oral bacteria on adherence of <i>S. mutans</i> and <i>S. sanguinis</i> on restorative dental materials</b><br><i>C. Stingu*</i> (Leipzig, Germany), <i>C. Nabert-Georgi, A. Rodloff, H. Jentsch, D. Reissmann, R. Schaumann</i>                                                                                                                                                                        |              |                                                                                                                                                                                                                                                                                                                                   |

- P0580** **Differential production of extracellular DNA (eDNA) in *Staphylococcus aureus* and *Staphylococcus epidermidis* biofilms**  
B. Zatorska\* (Vienna, Austria), M. Groeger, M. Diab-Elschahawi, L. Segagni Lusignani, E. Presterl
- P0581** **High synergistic activity of lytic staphylococcal bacteriophage sb-1 with rifampin, fosfomycin, vancomycin and daptomycin against methicillin-resistant *Staphylococcus aureus* biofilm in vitro**  
T. Tkilaishvili\* (Berlin, Germany), A. Trampuz, M. Di Luca
- P0582** **Efficacy of different antimicrobial agents against in vitro biofilms of *Staphylococcus aureus* strains belonging to different pathogenic clonal complexes causing endovascular complications**  
C. Ratia Loncán\* (Barcelona, Spain), J. Basas, A. Morer Escándil, E. Viedma, N. Fernandez-Hidalgo, D. Pérez, X. Gomis, F. Chaves, J. Gavalda, B. Almirante
- P0583** **Antibiofilm effect of vancomycin alone and in combination with various QSIs on mono and multi-species biofilms of *S. aureus***  
D. Kart\* (Ankara, Turkey), M. Sagiroglu
- P0584** **Activity of low-amperage continuous direct electrical current on XDR Gram-negative and biofilm infections**  
A. Morer Escándil\* (Barcelona, Spain), J. Basas, S. Colominas, C. Ratia Loncán, X. Gomis, J. Abella, E. Torrents, B. Almirante, J. Gavalda
- P0585** **Novel biosurfactants are effective in inhibiting fungal and bacterial biofilm formation on medical grade silicone in vitro**  
F. Tessarolo\* (Trento, Italy), C. Ceresa, F. Piccoli, D. Maniglio, M. Rinaldi, G. Allegrone, F. Ruini, V. Chiono, P. Caciagli, G. Nollo, I. Caola, L. Fracchia
- P0587** **Changes in the capsular polysaccharide synthesis locus correlate to increased biofilm formation in colistin-resistant *Klebsiella pneumoniae* ST383**  
A. Hotterbeekx\* (Wilrijk, Belgium), B. Xavier, O. Zarkotou, K. Dafopoulou, R. Ruhai, C. Lammens, A. Tsakris, S. Pournaras, H. Goossens, S. Malhotra-Kumar
- P0588** **Antibiotics-loaded blue fluorescent polymeric particles for tracking in LIVE/DEAD stained pathogenic biofilms**  
M. Klinger-Strobel\* (Jena, Germany), J. Ernst, D. Fischer, O. Makarewicz, M. Pletz
- P0589** **Effect of azithromycin on biofilm composition of clinical isolates of *Acinetobacter baumannii***  
E. Garza Gonzalez\* (Monterrey, Mexico), R. Lara-Medrano, C. Hernández-Balboa, F. Rivera-Nuñez, M. Martínez-Reséndez, A. Camacho-Ortiz, S. Mendoza-Olazarán
- P0590** **Characterization of biofilm formation and antibiotic susceptibility patterns of the uropathogenic *E. coli* isolates recovered from the urinary catheters of Iranian hospitalized patients**  
M. Pooya\* (Tehran, Iran), M. Taheri, M. Saleh, S. Sabeti, E. Shojaei, S. Bouzari, M. Mardani, M. Katouli
- P0591** **Isothiocyanates as potent agents against *Pseudomonas aeruginosa* biofilms**  
F. Guenther\* (Heidelberg, Germany), B. Blessing, S. Kaiser, N. Mutters
- P0592** **Fast occurrence of resistant mutants in *Pseudomonas aeruginosa* colony biofilms exposed to sub-inhibitory concentrations of ciprofloxacin in an experimental evolution approach**  
M. Ahmed\* (Copenhagen, Denmark), O. Ciofu
- P0593** **Anti-biofilm effect of colistin and ciprofloxacin alone and in combination with various QSIs on mono and polymicrobial biofilms of *P. aeruginosa***  
D. Kart\* (Ankara, Turkey), M. Sagiroglu
- P0594** **Assessment of the association between biofilm formation in Gram-negatives with sample clinal origin and antimicrobial susceptibility**  
V. Cepas Lopez\* (Barcelona, Spain), D. Rolo, E. Muñoz, L. Garcia, J. Bosch, M. Almela, J. Puig, M. Xercavins, C. Segura, J. Horcajada Gallego, S. Marti, D. Berbel Palau, C. Ardanuy Tisaire, S. Soto
- P0595** **Screening antibiofilm activity of microalgae extracts against Gram-negative bacilli**  
V. Cepas Lopez\* (Barcelona, Spain), Y. López Cubillos, C. Martins, L. Santos, E. Guilloud, I. Probert, J. Morais, V. Vasconcelos, S. Soto
- P0596** **Antimicrobial activity of *N*-acetylcysteine against *Stenotrophomonas maltophilia* and *Burkholderia cepacia* complex grown in planktonic phase and in biofilm**  
G. Landini\* (Siena, Italy), T. Di Maggio, D. Girelli, A. Teri, L. Cariani, F. Blasi, F. Sergio, L. Pallecchi, G. Rossolini
- P0597** ***Pseudomonas aeruginosa* from burn patients in Uruguay: morphologic characteristics, antibiotic resistance and biofilm production**  
M. Macedo-Vinas\* (Montevideo, Uruguay), M. Mendez-Peyre, M. Piñeyro

**P0598** Is there any correlation between *exoS* and *exoU* genes with biofilm formation in *Pseudomonas aeruginosa*?

F. Izadpanah Qeshmi\* (Bandar Abbas, Iran),  
F. Faridi, S. Shoja, B. Dozandeh-Mobarrez,  
S. Javadpour, N. Bahador

**P0599** Antibiotic resistance and virulence profiles of *Pseudomonas aeruginosa* and *Staphylococcus aureus* isolated from bronchiectasis and cystic fibrosis patients at a tertiary academic hospital in Pretoria

R. Naidoo\* (Newcastle, South Africa), M. Kock,  
R. Green, M. Ehlers

**P0600** *Lactobacillus* strains inhibit the growth and bio-film development by *Pseudomonas aeruginosa*

G. Ventolini\* (Odessa, United States), T. Letbetter,  
A. Ahmad, N. Mudaliar, J. Colmer-Hamood,  
N. Schlabritz-Lutsevich, A. Hamood

**P0601** *In vitro* biofilm production by common Gram-negative bacilli: factors affecting film formation and its effect on antibiotic resistance

A. Pal\* (Jabalpur, India)

**P0602** An *in vitro* evaluation of biofilm dispersal as a therapeutic strategy to restore antimicrobial efficacy

D. Roizman\* (Singapore, Singapore), C. Vidaillac,  
L. Yang

**P0603** Comparison of extracellular DNA (eDNA) production in biofilms of clinical isolates and healthy controls

B. Zatorska\* (Vienna, Austria), M. Groeger,  
D. Moser, M. Diab-Elschahawi, L. Segagni Lusignani,  
E. Presterl

**P0605** Anti-biofilm activity of ceftaroline and ampicillin against *Enterococcus faecalis* isolates

L. Thieme\* (Jena, Germany), M. Klinger-Strobel,  
C. Stein, O. Makarewicz, M. Pletz

**P0606** Draft genome sequences of constitutive rdar biofilm forming *Escherichia coli* isolates

A. Cimdins\* (Stockholm, Sweden), U. Römling,  
P. Lüthje, R. Simm, F. Li, K. Thorell, I. Ahmad,  
Å. Sjöling, A. Brauner

**P0607** Significant difference in early biofilm formation between H30 and H22 subclone isolates of the globally spread *Escherichia coli* ST131 clone

M. Duprilot\* (Clichy, France), N. Mayer, C. Provot,  
E. Denamur, M. Nicolas-Chanoine

**P0608** Importance of 14-3-3 protein of *P. brasiliensis* in the formation of biofilms and functional characterization of clinical and silenced strains

M. Mendes Giannini\* (Araraquara, Brazil), J. Braz,  
C. Marcos, T. Benaducci, R. da Silva, A. Almeida

**P0608A** Static methods for studying *Ureaplasma* spp. biofilms are inappropriate due to rapid loss of viability over time

M. Beeton\* (Cardiff, United Kingdom), S. Sahu,  
R. Rowlands

**P027** 12:30 – 13:30

Immunity and immunogenetics of infections

**P0609** Detection of TLR4 Asp299Gly SNP in Greek women with vulvovaginal candidiasis using TaqMan PCR

M. Mavrouli\* (Athens, Greece), G. Vrioni, A. Tsakris,  
J. Routsias

**P0610** Disseminated cryptococcosis due to anti-granulocyte-macrophage colony-stimulating factor autoantibodies in the absence of pulmonary alveolar proteinosis

C. Yeh\* (Taoyuan, Taiwan), C. Kuo, H. Shih, K. Tu,  
C. Lin, J. Ding, C. Ku

**P0611** Mechanical ventilation causes IL-4 mediated immunosuppression in a rodent model of mechanical ventilation and VAP

K. Bielen\* (Wilrijk, Belgium), S. Kumar-Singh,  
J. Boddaert, B. 'S Jongers, C. Lammens, P. Jorens,  
S. Malhotra-Kumar, H. Goossens

**P0612** Immunogenetic and microbiological factors in the risk for the development of recurrent tonsillitis

E. Garza Gonzalez\* (Monterrey, Mexico),  
B. Gonzalez-Andrade, J. Huerta-Torres, R. Santos,  
S. Flores-Treviño, P. Bocanegra-Ibarias, S. Mendoza-Olazarán, H. Villarreal-Vazquez

**P0613** Analysis of kinetics of T-lymphocytes subsets in kidney transplant recipients during the first year after transplant

I. Cassaniti\* (Pavia, Italy), C. Fornara, K. Adzasehoun,  
G. Comolli, F. Baldanti

**P0614** Clinical significance of the single nucleotide polymorphism TLR2 R753Q in heart transplant recipients at risk for cytomegalovirus disease

M. Schneider\* (Vienna, Austria), T. Matiqi, M. Kundi,  
F. Rieder, M. Andreas, R. Strassl, A. Zuckermann,  
C. Jungbauer, C. Steininger

**P0615** Efficacious and commercially viable DNA vaccines: plasmids formulated into lipid-crystal nano-particles for oral and systemic immunization

R. Mannino\* (Bedminster, United States)

|                                         |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P028</b>                             | <b>12:30 – 13:30</b>                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Healthcare-associated infections</b> |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>P0616</b>                            | <b>The occurrence of healthcare-associated infections in geriatric patients in a university hospital in Slovakia, 2012–2014</b><br><i>M. Mrazova* (Bratislava, Slovakia), L. Micháliková, J. Kafkova, G. Mikolasova, V. Krcmery</i>                                                                                                                                    | <b>P0625</b><br><b>Resolution of chest X-ray opacities, in patients with ventilator-associated pneumonia</b><br><i>S. Shokouhi* (Tehran, Iran), I. Alavi Darazam, R. Niyati, L. Gachkar, R. Goharani, S. Kahkouee</i>                                                                                                                                                                                                        |
| <b>P0617</b>                            | <b>Prevalence and risk factors for different healthcare-associated infections (HAIs) in Singapore acute-care hospitals – results from the first national point prevalence survey (PPS)</b><br><i>Y. Cai* (Singapore, Singapore), I. Venkatachalam, A. Kwa, P. Tambyah, L. Hsu, K. Marimuthu</i>                                                                        | <b>P0626</b><br><b>Outbreak of G2P[4] rotavirus gastroenteritis in a retirement community, Brazil, 2015: an important public health risk?</b><br><i>A. Luchs* (São Paulo, Brazil), G. Madalosso, A. Cilli, S. Morillo, S. Martins, K. Souza, G. Namiyama, C. Gonçalves, R. Carmona, M. Timenetsky</i>                                                                                                                        |
| <b>P0618</b>                            | <b>Assessment of the cost-effectiveness of a new oral care programme in the intensive care unit to prevent ventilator-associated pneumonia</b><br><i>J. Dry* (Clermont-Ferrand, France), E. Raybaud, C. Mourgues, L. Calvet, B. Cosserant, J. Faure, J. Jourdy, R. Guérin, B. Peirera, C. Russell, L. Gerbaud, D. Guelon, O. Traore</i>                                | <b>P0627</b><br><b>Isolation of <i>Rhodotorula mucilaginosa</i> from blood cultures in a tertiary hospital</b><br><i>M. Guerrero-Vadillo* (Madrid, Spain), J. Anel Pedroche, L. Jiménez Márquez, G. Arán-Tohá, A. Ramos Martínez, B. Orden</i>                                                                                                                                                                               |
| <b>P0619</b>                            | <b>Can routine oral care with toothbrushing and antiseptics prevent ventilator-associated pneumonia in patients receiving mechanical ventilation?</b><br><i>J. Dry* (Clermont-Ferrand, France), C. Russell, E. Raybaud, B. Peirera, J. Faure, R. Guérin, B. Cosserant, L. Calvet, D. Guelon, O. Traore</i>                                                             | <b>P0628</b><br><b>Increased risk of <i>Staphylococcus capitis</i> sepsis in neonates previously treated with vancomycin</b><br><i>M. Butin* (Bron, France), J. Rasigade, F. Subtil, J. Picaud, F. Laurent</i>                                                                                                                                                                                                               |
| <b>P0620</b>                            | <b>Healthcare-associated pneumonia and hospital-acquired pneumonia – bacterial etiology, antibiotic resistance and mortality.</b><br><i>S. Kumar* (Kishtwar, India), R. Ahmed Jan, B. Ahmed Fomda, R. Rasool, P. Koul, S. Shah, U. Hafiz, M. Qadri, S. Rashid Masoodi, S. Mantoo, M. Muzamil</i>                                                                       | <b>P0629</b><br><b>Infection control measures and clinical aspects of a large enterovirus outbreak in a neonatal intensive care unit</b><br><i>D. Wiltgen* (Porto Alegre, Brazil), R. Marco, A. Ziegler, D. Volkmer, A. Amorim, E. Moraes</i>                                                                                                                                                                                |
| <b>P0622</b>                            | <b>Describing an effective dental care intervention for the prevention of respiratory tract infections among intensive care patients: subanalysis of a randomized clinical trial</b><br><i>F. Bellissimo-Rodrigues* (Ribeirão Preto, Brazil), W. Bellissimo-Rodrigues, M. Meneguetti, G. Gaspar, E. Nicolini, M. Auxiliadora-Martins, A. Basile-Filho, R. Martinez</i> | <b>P0630</b><br><b>Bacteraemia in patients with cancer and stem-cell transplant: characteristics of health-care associated infections</b><br><i>F. Herrera* (Buenos Aires, Argentina), A. Carena, A. Laborde, I. Rocchia Rossi, G. Guerrini, A. Valledor, R. Jordan, A. Nenna, P. Costantini, J. Caeiro, M. Dictar, M. González Ibáñez, P. Vizcarra, C. Palacios, M. Pinoni, M. Luck, C. Iglesias, F. Pasteran, A. Corso</i> |
| <b>P0623</b>                            | <b>From genotype to phenotype: a clinical perspective from hospital-acquired pneumonia</b><br><i>E. Ruppe* (Geneva, Switzerland), A. Cherkaoui, M. Girard, V. Lazarevic, J. Schrenzel</i>                                                                                                                                                                              | <b>P0631</b><br><b>Influence of ICU-acquired bacteraemia on ICU mortality and discharge: time to start addressing time-varying confounding using appropriate methodology</b><br><i>K. Pouwels* (London, United Kingdom), S. Vansteelandt, R. Batra, J. Edgeworth, T. Smieszek, J. Robotham</i>                                                                                                                               |
| <b>P0624</b>                            | <b>Epidemiology of healthcare-associated bloodstream infection in an adult intensive care unit: a prospective cohort study of a single tertiary care hospital in Hanoi, Vietnam</b><br><i>M. Ishikane* (Tokyo, Japan), N. Takeshita, N. Gia Binh, M. Huong, D. Co, P. Thuy, D. Thanh, N. Anh, N. Ohmagari</i>                                                          | <b>P0632</b><br><b>Airborne <i>Aspergillus fumigatus</i> spore load during demolition of a building on a hospital area</b><br><i>L. Wirmann* (Essen, Germany), B. Ross, O. Reimann, J. Steinmann, P. Rath</i>                                                                                                                                                                                                                |
|                                         |                                                                                                                                                                                                                                                                                                                                                                        | <b>P0633</b><br><b>Risk factors for <i>Acinetobacter baumannii</i> infection in lung transplantation recipients</b><br><i>D. Oh* (Seoul, South Korea), Y. Kim, E. Kim, I. Jeong, S. Jeong, M. Park, H. Paik</i>                                                                                                                                                                                                              |



- P0634** Post-exposure prophylaxis against varicella zoster virus to the hospitalized children after inadvertent exposure  
*E. Choi\* (Seoul, South Korea), S. Yang, H. Kim, H. Lee*
- P0635** Controlling a human parainfluenza virus-3 outbreak: the importance of molecular diagnostics in relation to clinical symptoms  
*S. Erkens-Hulshof\* (Maastricht, Netherlands), L. Van Alphen, K. Franssen, P. Wolfs, A. Demandt*
- P0636** Quantifying the risk of nosocomial infection within Ebola holding units: a retrospective cohort study of negative patients discharged from five Ebola holding units in the western area of Sierra Leone  
*C. Brown\* (London, United Kingdom), P. Arkell, D. Youkee, A. Kamara, T. Kamara, O. Johnson, M. Lado, V. George, F. Koroma, M. King, B. Parker, P. Baker*
- P0637** Prevalence and cause of needle stick injury among the house keeping staff in Dr. Mehta's Hospital, Chennai, India  
*A. Thimmaiah\* (Tamilnadu, India), V. Thilagavathy*
- P0638** Application of risk mitigation procedures after failure to disinfect heater-cooler units of *Mycobacterium chimaera* with biofilm removal techniques and multiple disinfection cycles  
*J. Conly\* (Calgary, Canada), I. Tremblay, G. Tyrrell, C. Shandro, T. Louie, B. McCloskey, S. Menzies, C. Bonke, R. Avlijas, M. Rijavec*

P029 12:30 – 13:30

# Post-surgical infections

- P0639** Impact of intraoperative staff behaviours on the infectious risk: a systematic review and meta-analysis  
*G. Birgand\* (London, United Kingdom), T. Rachael, R. Ahmad, E. Charani, N. Sevdalis, J. Lucet, A. Holmes*
- P0640** Antibacterial activity of electrospun nanopolymeric fibers embebbed with silver nanoparticles for biomedical applications  
*A. Cuffini\* (Turin, Italy), V. Allizond, G. Banche, E. Marra, M. Zanetti, P. Bracco, C. Merlino*
- P0641** Prevalence of multidrug-resistant bacteria in surgical patients' wounds and the effects of seasonal variations and cleaning on carriage and transmission rate  
*B. Hassan\* (Cardiff, United Kingdom), M. Ijaz, A. Khan, G. Lai, G. Serfas, L. Clayfield, T. Walsh*

- P0642** Impact of surgical site infection on in-hospital mortality in patients undergoing elective colorectal surgery: a multicentre prospective cohort  
*E. Shaw Perujo\* (Barcelona, Spain), A. Gomila, M. Piriz, F. Obradors, R. Vázquez, J. Badia, L. Martin, D. Fracalvieri, M. Brugués, C. Nicolas, E. Espejo, A. Castro, V. Diaz-Brito Fernandez, E. Limón, J. Carratalà, F. Gudiol, M. Pujol*
- P0643** Chitosan-shelled oxygen-loaded nanobubble and nanodroplet comparison: new insights into infected chronic wounds caused by MRSA  
*N. Finesso\* (Turin, Italy), G. Banche, V. Allizond, M. Prato, A. Luganini, A. Troia, G. Giribaldi, A. Khadjavi, V. Tullio, N. Mandras, R. Cavalli, C. Guiot, A. Cuffini*
- P0644** Preoperative and intraoperative risk factors of nosocomial infections in patients undergoing delayed sternal closure  
*A. Arnaiz-Garcia\* (Santander, Spain), M. Arnáiz-García, C. Fariñas-Alvarez, J. Arnáiz-García, J. Bernal-Marco, M. Fariñas-Alvarez*
- P0645** A review of the burden of infection following cesarean section in sub-Saharan Africa  
*G. Tarchini\* (Weston, United States), J. Solomkin, A. Sway, K. Kraft, A. Wanyoro, C. Kilpatrick*
- P0646** Surgical site infections caused by *Pseudomonas aeruginosa* after elective colorectal surgery  
*A. Gomila\* (Barcelona, Spain), D. Camprubi, J. Carratalà, E. Shaw Perujo, J. Badia, M. Piriz, V. Diaz -Brito Fernandez, E. Espejo, C. Nicolas, M. Brugués, F. Obradors, A. Lérida, R. Vázquez, A. Castro, D. Fracalvieri, E. Limón, F. Gudiol, M. Pujol*
- P0647** Reasons of litigation in orthopaedic implant-related infections and lessons learned  
*O. Senard\* (Garches, France), H. Thierry, A. Crémieux*
- P0648** Post-discharge surveillance of surgical site infections: is anyone getting it right?  
*R. Troughton\* (London, United Kingdom), E. Castro Sanchez, A. Holmes, G. Birgand*
- P0649** Nationwide susceptibility surveillance of isolated bacteria associated with the course of surgical site infections (SSI) in Japan: sub-set analysis of first nationwide susceptibility surveillance in 2010  
*S. Kusachi\* (Tokyo, Japan), Y. Takesue, T. Niitsuma, M. Watanabe, K. Asai, H. Nishimuta, T. Saito, M. Kujiraoka, T. Kiribayashi, N. Katada, Y. Saida*

- P0650** A surgical site infection outbreak due to KPC-producing *Klebsiella pneumoniae*: the process and outcome of an investigation  
C. Doddakoppalu Ramachandraiah\* (Mysore, India), G. Cugati, H. M. Lokesh
- P0651** Wound infections in patients undergoing major upper urinary tract surgery: a study of UK antimicrobial prophylaxis and its effects on patient outcomes  
B. Musaddaq\* (London, United Kingdom), S. Tadtayev, D. Manson-Bahr, E. Cardiff, I. Balakrishnan, M. Aitchison
- P0652** A prospective study of skin and urine colonization in the elderly with a proximal femur fracture – preliminary results  
E. Cuchí Burgos\* (Viladecavalls, Spain), D. Haro, L. Gómez, P. Castillon, A. Matamala, E. Jiménez, F. Angles, P. Perez
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- P030** 13:30 – 14:30  
**Colistin resistance: detection, mechanisms and synergy**
- P0653** Rapid polymyxin NP test for rapid detection of polymyxin-resistant Enterobacteriaceae  
P. Nordmann\* (Fribourg, Switzerland), N. Kieffer, L. Poirel
- P0654** Polymyxin B-based combinations against multi-drug-resistant Gram-negative bacteria  
J. Meletiadis\* (Nijmegen, Netherlands), J. Kokx, J. Mouton
- P0655** Antimicrobial activity of 30 non-antibiotics alone and in combination with polymyxin B against multidrug-resistant Gram-negative bacteria  
J. Meletiadis\* (Nijmegen, Netherlands), S. Franch Arroyo, J. Mouton
- P0656** Screening for colistin resistance during antimicrobial susceptibility testing – usefulness of SuperPolymyxin agar  
M. Pirs\* (Ljubljana, Slovenia), T. Ring, K. Seme, V. Krizan-Hergouth, T. Cerar Kišek
- P0657** Colistin resistance across clinical samples in two London teaching hospitals  
D. Sharma\* (London, United Kingdom), D. Mack, K. Roulston, R. Smith, S. Hopkins
- P0658** A snapshot of the COL-R *Acinetobacter baumannii* comparative transcriptome by RNA-seq  
S. Stracquadanio\* (Catania, Italy), V. Cafiso, F. Lo Verde, G. Pigola, A. Ferro, S. Stefani
- P0659** The resistome of a multi-resistant outbreak *Providencia stuartii* strain  
A. Liakopoulos\* (Lelystad, Netherlands), D. Oikonomou, D. Wareham
- P0660** High level colistin resistance in *Acinetobacter baumannii* isolate from patient with mediastinitis after coronary artery bypass graft and aortic valve replacement  
Z. Rubic\* (Split, Croatia), Z. Marovic, M. Seruga Music, D. Skoric, A. Novak, M. Tonkic, I. Goic Barisic, J. Hrenovic
- P0661** Colistin resistance of carbapenem-resistant *Klebsiella pneumoniae* in a tertiary hospital  
Y. Ko\* (Seoul, South Korea), H. Sung, M. Kim
- P0662** The evaluation of the rapid polymyxin NP test for the detection of colistin resistance in Enterobacteriaceae  
D. Karatuna\* (Istanbul, Turkey), M. Kaya, I. Akyar
- P0663** Preliminary evaluation of the SensiTest Colistin, a broth microdilution-based method to evaluate colistin MICs  
E. Carretto\* (Reggio Emilia, Italy), F. Brovarone, M. Sciascia, G. Russello
- P0664** Increase in polymyxin B resistance among multi-drug-resistant Enterobacteriaceae but non-carbapenemase producers recovered from critically ill patients  
L. Perez\* (Porto Alegre, Brazil), G. Guglielmi, G. Narvaez
- P0665** Simple screening culture method for reliable detection of colistin heteroresistance in clinical isolates of *Enterobacter cloacae* complex  
F. Gravey\* (Caen, France), F. Guérin, J. Giard, C. Isnard, M. Auzou, V. Cattoir
- P0666** Disruption of *mgrB* by a large pKpQIL-like region in colistin- and carbapenem-resistant *Klebsiella pneumoniae* in Medellín, Colombia  
J. Jiménez\* (Medellín, Colombia), A. Cienfuegos, L. Chen, B. Kreiswirth
- P0667** *In vitro* synergy and postantibiotic effect of colistin combined with meropenem against Enterobacteriaceae with multiple carbapenem-resistance mechanisms  
B. Bedenic\* (Zagreb, Croatia), N. Beader, S. Francula-Zaninovic, D. Varda-Brkic, V. Tripkovic, D. Šijak, M. Čačić, A. Benčić, A. Lukić-Grlić, I. Barisic, D. Slacanac, M. Vranic-Ladavac, S. Sardelic, M. Sviben

- P0668** Contribution of plasmid-mediated MCR-1 for providing high level of colistin resistance  
A. Jayol\* (Merignac, France), P. Nordmann, V. Dubois, L. Poiré
- P0669** *In vitro* synergy testing by etest method for multidrug-resistant Gram-negative pathogens in a Greek tertiary hospital  
E. Kraniotaki\* (Athens, Greece), E. Perivoliotis, M. Nepka, M. Gika, E. Protopapadakis, Z. Paparizou, A. Argyropoulou, E. Douka, V. Papastamopoulos, A. Skoutelis
- P0670** *In vivo* selection of colistin and rifampin resistance in *Acinetobacter baumannii* in Tunisia  
R. Bonnin\* (Le Kremlin-Bicêtre, France), N. Jaidane, W. Mansour, N. Boujaafar, O. Bouallegue, T. Naas
- P0671** Molecular characterization of colistin-resistant *Klebsiella pneumoniae* clinical isolates in Tunisia  
R. Bonnin\* (Le Kremlin-Bicêtre, France), N. Jaidane, W. Mansour, C. Chaouech, N. Boujaafar, O. Bouallegue, T. Naas
- P0672** Comparison of methods for detection *in vitro* synergism antibiotics of multiresistant Gram-negative bacteria  
T. Guimaraes\* (São Paulo, Brazil), S. Figueiredo Costa, J. Gaudereto, L. Perdigao Neto, G. Leite, F. Rossi, A. Sara Levin
- P0673** Mechanisms of polymyxin resistance in pan-resistant *Klebsiella pneumoniae* by whole-genome sequencing  
T. Guimaraes\* (São Paulo, Brazil), S. Figueiredo Costa, L. Perdigao Neto, R. Ruedas Martins, C. Carrilho, V. Camarinha de Castro Lima, A. Marchi, F. Rossi, A. Sara Levin
- P0674** Carbonyl cyanide 3-chlorophenylhydrazine (CCCP) reverse colistin resistance in plasmid-mediated colistin-resistant *mcr-1* isolates and in intrinsically resistant Enterobacteriaceae  
S. Baron\* (Marseille, France), J. Rolain
- P0675** Colistin-resistant metallo-beta-lactamase-producing *Klebsiella pneumoniae* isolates in a tertiary care Greek university hospital  
E. Priavali\* (Ioannina, Greece), C. Gartzonika, G. Vrioni, L. Politi, A. Giannaki, D. Papamichail, H. Sakkas, G. Kapnisi, A. Tsakris, S. Levidiotou
- P0676** Colistin plus rifampicin synergistic activity against a colistin-resistant KPC-producing *Klebsiella pneumoniae* strain of ST512 with *mcr1.2* resistance mechanism  
S. Fortunato\* (Pisa, Italy), C. Tascini, F. Arena, B. Viaggi, G. Rossolini, F. Menichetti
- P0677** Genomic characterization of colistin resistance in extended-spectrum beta-lactamase producing *Klebsiella pneumoniae* isolates from patients in Dutch hospitals  
E. Schrauwen\* (Breda, Netherlands), M. Kluytmans-Van den Bergh, M. Chlebowicz, J. Rossen, J. Kluytmans
- P0678** Evaluation of the rapid polymyxin NP test  
M. Korte-Berwanger\* (Bochum, Germany), A. Belda-Orlowski, N. Pfennigwerth, S. Gatermann
- P0679** A novel PhoP substitution in *Klebsiella pneumoniae* with decreased susceptibility to colistin  
V. Ricci\* (Birmingham, United Kingdom), L. Piddock, S. Woodward, A. Jayol, J. Decusser, P. Nordmann, L. Poiré
- P0680** *In vitro* activity of different antimicrobial combinations against carbapenem-resistant *Acinetobacter baumannii*: colistin plus vancomycin or rifampin exhibit synergistic and bactericidal activity even in the presence of high colistin resistance  
A. Oliva\* (Rome, Italy), M. De Angelis, L. Cannella, M. Ridolfi, A. D'Abramo, D. Porfido, V. Bellelli, G. D'Ettore, A. Guzzo, C. Mastroianni, V. Vullo
- P0681** Characterizing the physiological responses of extensively drug resistant (XDR) *Acinetobacter baumannii* (AB) upon exposure to different antibiotics singly and in combination using flow cytometry (FCM)  
J. Teo\* (Singapore, Singapore), Y. Cai, F. Wong, H. Leck, T. Lim, W. Lee, T. Koh, T. Tan, P. Chlewicki, K. Tan, A. Kwa
- P0682** Proteomic response of lipopolysaccharide-loss *A. baumannii* resistance to colistin  
X. Liu\* (Shanghai, China), Y. Hu, J. Zhang
- P0683** Identification of novel plasmid-mediated colistin resistance in wastewater treatment plant effluent  
T. Do\* (Kildare, Ireland), F. Walsh
- P0684** Early detection of colistin-resistant Gram-negative bacteria using chromID colistin R agar, a new chromogenic medium  
G. Zambardi\* (La Balme-les-Grottes, France), J. Roche, E. Basso
- P0685** The effect of transcriptional activators in colistin resistance in *Klebsiella pneumoniae*  
J. Jimenez Castellanos\* (Bristol, United Kingdom), M. Avison

- P0686** The combination of polymyxin B and minocycline is synergistic against carbapenem-resistant *Klebsiella pneumoniae* and *Pseudomonas aeruginosa* in 24-h time-kill experiments  
T. Tangden\* (Uppsala, Sweden), P. Yuen, P. Lagerbäck, E. Nielsen, L. Friberg, T. Tängdén
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- P031** 12:30 – 13:30  
**The mcr genes around the world**
- P0687** Resistance to colistin and emergence of the *mcr-1* gene among Enterobacteriaceae in a general hospital in Spain  
E. Cercenado\* (Madrid, Spain), M. Marín, F. Pérez-García, A. Ortega, J. Oteo, E. Bouza Santiago
- P0688** High prevalence of MCR-1-producing *Escherichia coli* and *Klebsiella pneumoniae* in pigs, Portugal  
L. Poirel\* (Fribourg, Switzerland), N. Kieffer, P. Nordmann, M. Aires de Sousa
- P0689** *Moraxella* as a source of MCR-like polymyxin resistance determinants  
L. Poirel\* (Fribourg, Switzerland), N. Kieffer, P. Nordmann
- P0690** An IncP plasmid of a new clade carrying the colistin resistance gene *mcr-1* in *Klebsiella pneumoniae*  
Z. Zong\* (Chengdu, China), F. Zhao
- P0691** *E. coli*-producing ESBL harbouring *mcr-1* from Ecuador  
J. Zurita\* (Quito, Ecuador), D. Ortega-Paredes, L. Diaz, J. Reyes, P. Barba, C. Vinuesa, P. Porras, J. Ardila, C. Arias
- P0692** Colistin resistance among carbapenem-resistant Enterobacteriaceae recovered in Belgium in 2014–2015  
P. Bogaerts\* (Yvoir, Belgium), W. Bouchahrouf, A. Piraux, T. Huang, Y. Glupczynski
- P0693** First report of the plasmid-mediated colistin resistance gene *mcr-1* in a clinical *Escherichia coli* isolate in the Sultanate of Oman  
A. Sonnevend\* (Al Ain, United Arab Emirates), J. Mohsin, T. Pal, E. Petersen, D. Darwish, A. Ghazawi
- P0694** Emergence of plasmid-mediated colistin-resistance in CMY-2-producing *Escherichia coli* sequence type 2197 in Tunisia poultry  
C. Torres\* (Logroño, Spain), E. Maamar, Z. Hamzaoui, C. Alonso, N. Dakhli, M. Abbassi, S. Ferjani, S. Hammami, M. Saidani, I. Boutiba-Ben Boubaker
- P0695** Plasmid-mediated colistin resistance (*mcr-1*) in *Escherichia coli* from non-imported fresh vegetables for human consumption  
V. Manageiro\* (Lisbon, Portugal), D. Jones-Dias, E. Ferreira, M. Caniça
- P0696** Gram-negative bacteria harbouring the *mcr-1* gene: occurrence and transmission in a large tertiary hospital in the Netherlands 2010–2015  
M. Vos\* (Rotterdam, Netherlands), A. Voor in 't Holt, J. Severin, W. Zandijk, M. Van Westreenen, C. Klaassen
- P0697** Prevalence of colistin resistance in *Escherichia coli*: *mcr-1*-positive clinical isolates in Lombardy, Northern Italy  
M. Caltagirone\* (Pavia, Italy), R. Migliavacca, A. Piazza, C. Mauri, A. Anesi, S. Bracco, G. Brigante, E. Casari, C. Agrappi, F. Novazzi, L. Pagani, F. Luzzaro
- P0698** Prevalence of *Clostridium difficile* and colistin resistance gene (*mcr-1*) in faeces of piglets and sows in Ireland  
E. Terveer\* (Leiden, Netherlands), K. Stein, L. Fenelon, D. Drudy, H. Lynch, I. Sanders, R. Nijhuis, E. Kuijper
- P0699** Emergence of chromosome-borne colistin resistance gene *mcr-1* in clinical isolates from North India  
K. Prasad\* (Lucknow, India), S. Singh, A. Pathak, M. Rahman, A. Kumar, B. Gonzalez Zorn
- P0700** Diversity in *mcr-1*-encoding plasmids among human *E. coli* and *Salmonella* spp. isolates in Belgium  
P. Ceyssens\* (Brussels, Belgium), P. Bogaerts, S. De Keersmaecker, N. Roosens, K. Vanneste, C. Garcia-Graells, S. Bertrand, Y. Glupczynski
- P0701** Co-colonization by *mcr-1* harbouring *Escherichia coli* and *Klebsiella pneumoniae* in a patient not exposed to colistin  
T. Guimaraes\* (São Paulo, Brazil), S. Figueiredo Costa, L. Perdigao Neto, L. Corscadden, P. Neves, R. Ruedas Martins, R. Stabler, I. Boszczowski, M. Moura, F. Rossi, A. Sara Levin
- P0702** Colistin resistance in *Klebsiella pneumoniae* in bone marrow transplant units: is MCR-1 underreported?  
T. Guimaraes\* (São Paulo, Brazil), S. Figueiredo Costa, H. Higashino, L. Perdigao Neto, A. Marchi, R. Ruedas Martins, M. Batista, F. Rossi, A. Sara Levin, V. Rocha

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|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P0703</b> | <b>Epidemiology of acquired colistin-resistant Enterobacteriaceae in Marseille, from February 2014 to September 2016</b><br><i>S. Baron* (Marseille, France), J. Rolain</i>                                                                                                                                                              | <b>P0713</b>                                                             | <b>Emergence of <i>mcr-1</i> in <i>Escherichia coli</i> isolates at a tertiary referral laboratory in Pretoria, South Africa</b><br><i>K. Strydom* (Pretoria, South Africa), M. Lowings, F. Ismail, M. Said, N. Mbelle, M. Ehlers, M. Kock</i>                                                                                                                                                                        |
| <b>P0704</b> | <b>Plasmid-mediated colistin resistance (MCR-1) in <i>Escherichia coli</i> isolates from broiler chickens in Brunei Darussalam</b><br><i>M. Abdul Momin* (London, United Kingdom), S. Miah, L. Phee, D. Wareham</i>                                                                                                                      | <b>P0714</b>                                                             | <b>A characterization and time-scale study of <i>mcr-1</i>-harbouring isolates from a pig farm in Great Britain</b><br><i>N. Duggett* (Addlestone, United Kingdom), L. Randall, R. Horton, J. Nunez-Garcia, M. Kirchner, R. Ellis, C. Teale, M. Anjum</i>                                                                                                                                                             |
| <b>P0705</b> | <b>Emergence of <i>mcr-1</i>-mediated colistin resistance in <i>Escherichia coli</i> isolates from poultry in Algeria</b><br><i>S. Chabou* (Marseille, France), H. Ieulmi, S. Diene, J. Rolain</i>                                                                                                                                       | <b>P0715</b>                                                             | <b>Prevalence of multidrug-resistant <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> in poultry and broiler meat in Austria in 2016</b><br><i>S. Köberl-Jelovcan* (Graz, Austria), G. Weissensteiner, S. Lepuschitz, S. Monschein, C. Schlagenhaufen, H. Lassnig, F. Allerberger, B. Springer</i>                                                                                                            |
| <b>P0706</b> | <b>Prevalence of faecal carriage of colistin-resistant Gram-negative rods in a university hospital in western France, 2016</b><br><i>A. Jayol* (Merignac, France), V. Dubois, M. Saly, L. Poirel, F. Megraud, P. Nordmann</i>                                                                                                            |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>P0707</b> | <b>Mcr-1 detection in commensal <i>E. coli</i> and <i>Salmonella</i> spp. from food-producing animals at slaughter in Europe</b><br><i>A. de Jong* (Lure, France), F. El Garch, D. Hocquet, X. Bertrand</i>                                                                                                                              | <b>P032</b>                                                              | <b>12:30 – 13:30</b>                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>P0708</b> | <b>Co-occurrence of <i>mcr-1</i> and <i>blaKPC-2</i> genes in a clinical isolate of <i>Escherichia coli</i> from Brazil</b><br><i>T. Dalmolin* (Porto Alegre, Brazil), L. Castro, A. Martins, D. Lima Morales, A. Barth</i>                                                                                                              | <b>Drug-resistance – miscellaneous pathogens and special populations</b> |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>P0709</b> | <b>Presence of <i>mcr-1</i>-positive <i>Escherichia coli</i> in retail meat in Italy</b><br><i>A. Ghodousi* (Palermo, Italy), C. Bonura, C. Mammina</i>                                                                                                                                                                                  | <b>P0716</b>                                                             | <b>Decreased <i>in vitro</i> susceptibility to fluoroquinolones, erythromycin and azithromycin of <i>Ureaplasma urealyticum</i> and <i>Mycoplasma hominis</i> strains isolated from symptomatic reproductive age women</b><br><i>E. Kouskouni* (Athens, Greece), S. Baka, A. Sianou, G. Galyfos, D. Moragianni, V. Gennimata</i>                                                                                      |
| <b>P0710</b> | <b>Evolution of resistance to colistin and other last-resort antibiotics among carbapenemase-producing <i>Klebsiella pneumoniae</i> bloodstream isolates: a 15-year study</b><br><i>J. Papaparaskevas* (Athens, Greece), G. Tansarli, A. Pantazatou, A. Priftis, M. Samarkos, G. Daikos</i>                                              | <b>P0717</b>                                                             | <b>High prevalence of faecal carriage of <i>Staphylococcus aureus</i> but very low prevalence of extended-spectrum beta-lactamase-producing Enterobacteriaceae and vancomycin-resistant enterococci in a healthy cohort from northern Netherlands (LifeLines)</b><br><i>S. García-Cobos* (Groningen, Netherlands), B. Sinha, H. Harmsen, M. Van der Mulen, P. Lisotto, I. Van der Meulen, J. Rossen, A. Friedrich</i> |
| <b>P0711</b> | <b>Emergence of polymyxin B (PB) resistance in a setting with diverse carbapenem-resistant Enterobacteriaceae (CRE) types: a microbiological and clinical study</b><br><i>J. Teo* (Singapore, Singapore), C. Chang, S. Lee, T. Lim, Y. Cai, W. Lee, T. Koh, P. Chlebicki, T. Tan, A. Kwa</i>                                             | <b>P0718</b>                                                             | <b>A new real-time PCR, RIDA GENE <i>Helicobacter pylori</i>, to detect <i>Helicobacter pylori</i> and its resistance to clarithromycin directly from gastric biopsies</b><br><i>L. Balsalobre* (Madrid, Spain), C. Alba Rubio, V. Valdez Blanco, B. Fernández Caso, S. Granja, T. Alarcon Caverio</i>                                                                                                                |
| <b>P0712</b> | <b>Emergence of plasmid-mediated colistin resistance gene <i>mcr-1</i> in <i>Escherichia coli</i> isolates from patients and poultry products in Germany</b><br><i>Y. Pfeifer* (Wernigerode, Germany), M. Pietsch, A. Frühauf, N. Roschanski, U. Rösler, K. Hunfeld, N. Lippmann, S. Wendt, C. Woelke, A. Eisele, A. Kola, G. Werner</i> | <b>P0719</b>                                                             | <b>Alarming increasing antibiotic resistance in <i>Helicobacter pylori</i> in all WHO regions</b><br><i>A. Savoldi* (Tübingen, Germany), E. Carrara, D. Kattula, E. Tacconelli</i>                                                                                                                                                                                                                                    |



- P0720** Genetic elements associated with antimicrobial resistance among *Corynebacterium urealyticum* isolates from a University Hospital in León [Spain]  
F. M. Isabel\* (León, Spain), M. Hernandez, N. Martin-Quijada, M. Arias-Temprano, T. Marrodan-Ciordia, D. Rodriguez-Lazaro, F. Soriano
- P0721** Prevalence of multidrug-resistant microorganisms in 699 asylum seekers at a tertiary care hospital in Switzerland  
S. Erb\* (Basel, Switzerland), A. Egli, M. Dangel, A. Widmer
- P0722** Phenotypic and genotypic characterization of *Clostridium difficile* strains isolated from hospitalized patients  
M. Paglia\* (Rome, Italy), A. Di Caro, S. Darezzo, A. Vulcano, C. De Giuli, C. Venditti, E. Zambelli, G. Granata, M. Cataldo, E. Bordi, A. Mazzarelli, C. Nisii, N. Petrosillo
- P0723** Activity of ceftobiprole and comparators against hospital-acquired pneumonia pathogens from Italy, January – May 2016  
T. Giani\* (Siena, Italy), A. Antonelli, M. Coppi, O. Colavecchio, V. Conte, A. Santerre Henriksen, G. Rossolini
- P0724** A 5-year study of skin and soft tissue infections in hospitalized adults – focus on antimicrobial resistance  
P. Ioannou\* (Heraklion, Greece), E. Tsagkaraki, A. Athanasaki, C. Tsioutis, A. Gikas
- P0725** The susceptibility of *Mycoplasma hominis* and *Ureaplasma urealyticum* strains  
M. Vydrzalova\* (Pardubice, Czech Republic), P. Mosio, I. Brozkova, P. Motkova
- P0726** A resazurin-based rapid antimicrobial susceptibility test for *Yersinia pestis*  
J. Bugrysheva\* (Atlanta, United States), C. Lascols, B. Cherney, A. Carter, D. Sue, L. Weigel
- P0727** A resazurin-based rapid antimicrobial susceptibility test for *Burkholderia pseudomallei*  
B. Cherney\* (Atlanta, United States), J. Bugrysheva, C. Lascols, A. Carter, D. Sue, L. Weigel
- P0728** Molecular identification and antimicrobial susceptibility patterns of *Nocardia* spp. isolated in Japan  
M. Toyokawa\* (Sendai, Japan), A. Ueda, K. Kimura, M. Katsumi, M. Kaku
- P0729** Antimicrobial susceptibility of *Clostridium difficile* isolates collected in the United States  
M. Karlsson\* (Atlanta, United States), K. Anderson, A. Paulick, D. Campbell, V. Albrecht, A. Guh, J. Rasheed, L. McDonald
- P0730** Antimicrobial susceptibility among *Nocardia* isolates using CLSI-recommended broth micro-dilution method in a tertiary care centre in Pakistan  
F. Farooqui\* (Karachi, Pakistan), S. Irfan
- P0731** How has antibiotic resistance changed over the past 10 years in patients with diabetic foot infection?  
A. Bolatchiev\* (Stavropol, Russian Federation), V. Baturin, E. Kunicina, N. Koblyatsky, M. Baturina, Z. Oleg
- P0732** Fighting diabetic foot ulcers: the antimicrobial activity of a novel nisin-guar gum gel formulation against multidrug-resistant *Staphylococcus aureus* strains  
R. Santos\* (Lisbon, Portugal), E. Cunha, A. Veiga, L. Tavares, M. Castanho, M. Oliveira
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- P033** 12:30 – 13:30  
International & migrants' health
- P0733** Influence of age of immigrant population on important diseases  
A. Rodriguez-Guardado\* (Oviedo, Spain), J. Boga, J. Fernandez-Suarez, M. Rodriguez-Perez, C. Menendez, A. Coto-Montes, A. Garcia
- P0734** Analysis of current prices for anti-infectives in the World Health Organization Essential Medicines List in the UK, South Africa, and India, compared to cost of production  
A. Hill\* (London, United Kingdom), D. Gotham, M. Barber
- P0735** Painless swelling and recurrent subcutaneous abscesses of the lower leg – two distinct presentations of eumycetoma  
M. Osthoff\* (Basel, Switzerland), A. Schibli, D. Goldenberger, A. Krieg, A. Hirschmann, E. Bruder
- P0736** Hepatitis B in the migrant population in southern Barcelona  
E. Dopico\* (Barcelona, Spain), M. Aguilar, J. Puertas, C. Fernandez, C. Gallegos, M. Martinez, J. Costa
- P0737** Antimicrobial use in the community in north-western Angola: a cross-sectional pilot study  
J. Cortez\* (Caxito, Angola), E. Rosário, J. Pires, J. Taborda Lopes, M. Francisco, E. Vlieghe, M. Brito

- P0738** **Distinct by different laboratory results between scrub typhus and malaria**  
*J. Lee\* (Iksan, South Korea), C. Lee, J. Lee*
- P0739** **Import of schistosomiasis from endemic areas by soldiers and migrants**  
*H. Frickmann\* (Hamburg, Germany), D. Wiemer, W. Maaßen, R. Hinz, R. Hagen*
- P0740** **Human mixed infection with *Anisakis simplex* sibling species and a recombinant genotype for the first time in Europe: a clinical case and a brief review**  
*C. Toscano\* (Lisbon, Portugal), T. Baptista-Fernandes, M. Rodrigues, I. Castro, P. Paixão, P. Marques, L. Ramos, S. Belo, K. Mansinho*
- P0741** **Undifferentiated fever in returning travellers at the Hospital for Tropical Diseases, University College London Hospitals**  
*M. Marks\* (London, United Kingdom), K. Gaskell, P. Byrne, C. Webster, G. Pollara, V. Johnston, R. Bailey*
- P0742** **Seroprevalence of dengue virus (DV), West Nile virus (WNV), Chikungunya virus (CHIKV) and Zika virus (ZV) in Italian international travelers**  
*M. Chironna\* (Bari, Italy), A. Metallo, D. Loconsole, A. De Robertis, A. Morea, D. Pepe, D. Casulli*
- P0743** **Anaemia and growth retardation caused by *Schistosoma haematobium***  
*C. Stecher\* (Aarhus, Denmark), H. Madsen, S. Wilson, M. Sacko, A. Keita, A. Landouré, T. Mamadou Sounalo, C. Wejse, P. Kallestrup, E. Petersen, B. Vennervald*
- P0744** **Immunization rates of migrants and refugees**  
*L. Sanftenberg\* (Munich, Germany), C. Groffik, H. Schrörs, J. Schelling*
- P0745** **Flu-like symptoms and skin lesion in travellers returning from South Africa**  
*A. Beltrame\* (Negrar, Italy), A. Carnelutti, S. Edouard, F. Perandin, M. Peghin, M. Laroche, S. Tais, M. Bassetti, P. Parola, Z. Bisoffi*
- P0746** **Migration and health: a retrospective study about the prevalence of HBV, HCV, HIV, tuberculosis and syphilis infections among the immigrant population screened at the infectious diseases unit of Modena, Italy**  
*C. Mussini\* (Modena, Italy), G. Cuomo, I. Franconi, N. Riva, A. Bianchi, M. Di Gaetano, M. Codeluppi, A. Bedini, G. Guaraldi*
- P0747** **Causes of hospitalization of refugees due to infectious diseases: an experience of a tertiary care hospital from Turkey**  
*N. Tulek\* (Ankara, Turkey), M. Sonmezer, E. Topal, Ç. Ataman Hatipoğlu, G. Ertem, F. Erdinç, C. Bulut, S. Kinikli*
- P0748** **A survey of access to clinical case definitions and management guidelines for severe infectious disease syndromes across Europe**  
*L. Sigfrid\* (Oxford, United Kingdom), S. Lipworth, K. Longuere, G. Carson, P. Horby*
- P0749** **Clinical and laboratory features of imported dengue fever in patients requiring hospital admission**  
*M. Trojanek\* (Prague, Czech Republic), T. Rudova, Z. Karimova, J. Maixner, N. Sojkova, L. Richterova, H. Rohacova, F. Stejskal*
- P0750** **French guidelines for the outpatient management of Ebola virus disease: applicability by general practitioners?**  
*A. Raffetin\* (Paris, France), C. Ortmans, B. Worms, J. Cadwallader*
- P0751** **Prevalence of GBS infections among newborns in Moscow**  
*A. Melkumyan\* (Moscow, Russian Federation), A. Tsibin, M. Latypova*
- P0752** **Role of antibodies against MSP10 and AMA1 in the inhibition of the invasion process of *P. falciparum* isolates from the Peruvian Amazon**  
*E. Villasis\* (Lima, Peru), J. Bendezu, D. Nolasco, K. Garro, K. Torres Fajardo, B. Infante, D. Gamboa, J. Vinetz*
- P0753** **Hemophagocytic lymphohistiocytosis caused by *Leishmania* sp. probably neglected, not always tropical: a case series and review of the literature**  
*E. Anaïs\* (Brussels, Belgium), M. Aoun, V. De Wilde, A. Georgala, M. Vekemans*
- P0754** **Infectious disease screening in asylum seekers: the experience of a local public health unit in central Italy**  
*C. Recanatini\* (Ancona, Italy), S. Giorgi, R. Montini, P. Marcolini*
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- P034** **12:30 – 13:30**  
**Advanced diagnosis of parasitic infection**
- P0755** **Detection of *Trichostongylus* species in humans using novel Multiplex RFLP-PCR (mRFLP-PCR)**  
*A. Mizani\* (Sari, Iran), M. Sharif, A. Daryani, S. Sarvi, A. Amouei, P. Gill*

- P0756** **Novel ELISA using antigens from *Strongyloides papillosus* instead of *S. ratti* exhibit increased serological specificity**  
*O. Klemens\** (Lübeck, Germany), J. Warnecke, B. Oesterreich, J. Fraune, A. Streit, K. Steinhagen
- P0757** **Diagnosis of enteric parasites by automated microscopy SediMAX**  
*G. Fernández Rivas\** (Badalona, Spain), A. Antuori Torres, M. Alcaide Jordà, N. Romaní Rodés, A. Tiburcio, L. Matas Andreu
- P0758** **Comparative evaluation of the 2 commercial multiplex PCR assays: Allplex Gastrointestinal Parasite Panel (Seegene) and G-DiaParaTrio (Diagenode) for the detection of gastrointestinal protozoan on stool samples**  
*N. Argy\** (Paris, France), M. Florent, C. Bravetti, A. Aboubacar, M. Sautour, A. Laude, S. Valot, G. Desoubes, C. Nourrisson, C. Pomares, M. Machouart, Y. Le Govic, F. Dalle, F. Botterel, N. Bourgeois, E. Cateau, M. Leterrier, P. Le Pape, C. Bonnal, S. Houze
- P0759** **Detection and differentiation of *Entamoeba histolytica* and *Entamoeba dispar* in clinical formalin-fixed stool samples using two real-time PCR commercial kits: a preliminary assessment**  
*F. Tamarozzi\** (Pavia, Italy), A. Bruno, R. Maserati, V. Meroni, F. Genco
- P0760** **Evaluation of an automated real-time PCR platform in comparison with an in-house real-time PCR for detection of *Giardia duodenalis***  
*G. Lunghi\** (Milan, Italy), R. Narra, S. Uceda, A. Zoccoli, A. Orlandi, F. Perandin, F. Formenti
- P0761** **Rapid detection of *Giardia intestinalis* and *Cryptosporidium* spp. in stool samples using an antigen-based detection approach: evaluation of a new commercial immunochromatographic strip test**  
*M. Florent\** (Nantes, France), A. Goudal, A. Laude, S. Valot, G. Desoubes, N. Argy, C. Nourrisson, C. Pomares, M. Machouart, Y. Le Govic, F. Dalle, F. Botterel, N. Bourgeois, E. Cateau, M. Leterrier, R. Laverigne, P. Le Pape
- P0762** **Evaluation of the new multiplex real-time PCR technique AllPlex TM GI-Parasite Assay (Seegene) in the diagnosis of intestinal parasites**  
*M. Orellana\** (Madrid, Spain), A. Martín-Díaz, I. Fradejas Villajos, D. Lora, A. Ruiz-Cueli, A. Perez de Ayala Balzola
- P0763** **Investigation of the presence of specific IgG subclass antibodies (IgG1, IgG2, IgG3 and IgG4) in patients with toxocariasis and their role in the diagnosis of the disease**  
*E. Kaneva\** (Sofia, Bulgaria), D. Velcheva, I. Rainova, R. Harizanov, I. Kaftanjiev
- P0764** **New real-time PCR assay for the detection of *Trypanosoma cruzi***  
*M. Weber\** (Hamburg, Germany), L. Hecht, M. Hess
- P0765** **Evaluation of an in-house validated real-time PCR for detection of *Trichomonas vaginalis***  
*J. Wils\** (Aalst, Belgium), A. Vankeerberghen, H. De Beenhouwer, K. Van Vaerenbergh, A. Boel

**P035 12:30 – 13:30**

### Echinococcosis

- P0766** **Human echinococcosis: disease burden and changing pattern in the United Kingdom**  
*R. Bandyopadhyay\** (London, United Kingdom), L. Nabarro, Z. Amin, D. Lawrence, T. Pissanou, C. Imber, G. Godbole, P. Chiodini
- P0767** **Cystic echinococcosis in immigrants accessing a single referral centre in Lombardy, Italy**  
*F. Tamarozzi\** (Pavia, Italy), R. Lissandrin, S. Tahiri, I. Covini, A. Casulli, P. Rossi, F. Galati, L. Cattaneo, A. Vola, M. Mariconti, T. Manciuilli, E. Brunetti
- P0768** **Efficacy of combined albendazol and praziquantel and their solid lipid nanoparticle components in chemoprophylaxis of experimental hydatidosis**  
*A. Rafiei\** (Ahvaz, Iran), A. Jelodar, M. Abbaspour, I. Rashidi, M. Rahdar
- P0769** **Costs of albendazole for the treatment of cystic echinococcosis in a referral centre in Italy and consequences associated with shortages in drug availability**  
*T. Manciuilli\** (Pavia, Italy), A. Vola, G. Firpo, F. Tamarozzi, R. Lissandrin, M. Mariconti, A. Casulli, P. Rossi, F. Galati, C. Budke, E. Brunetti
- P0770** **Epidemiological features of cystic echinococcosis in Karachay-Cherkessia, Republic of Russia**  
*N. Pshenichnaia\** (Rostov-on-Don, Russian Federation), K. Boltachiev, L. Ermakova, S. Nagorny, T. Tverdokhlebova, Y. Kirtanasov
- P0771** **FDG-PET/MRI imaging for the management of alveolar echinococcosis: clinical experience at a reference centre in Austria**  
*M. Ramharter\** (Vienna, Austria), F. Lötsch, F. Waneck, M. Groger, H. Auer, K. Kaczirek, I. Rausch, W. Wadsak, M. Hacker, G. Karanikas

**P0772** Serological evaluation of hydatidosis and toxocariasis among municipal workers in Ahvaz, southwestern Iran  
*M. Beiromvand\* (Ahvaz, Iran), R. Daneshbakhtyar, A. Rafiei, M. Tavalla*

**P0773** Evaluation of Em18 for serological follow-up of human alveolar echinococcosis (AE)  
*B. Grüner\* (Ulm, Germany), J. Schmidberger, M. Furitsch, M. Vavra, W. Kern*

**P0774** Hydatid cyst: one disease, multiple faces!  
*K. Makram\* (Sfax, Tunisia), M. Gargouri, Y. Krichen, M. Turki, C. Marrakchi, M. Ben Jemaa*

**P0775** Taking IR out of PAIR! percutaneous aspiration without injection of scolical agents plus oral albendazole for cystic echinococcosis  
*G. Firpo\* (Pavia, Italy), A. Vola, T. Manciuoli, M. Mariconti, R. Lissandrin, A. Casulli, P. Rossi, F. Galati, F. Tamarozzi, E. Brunetti*

**P0776** Liver hidatid disease in children – a 10-year review  
*D. Iacob\* (Cluj Napoca, Romania)*

**P036** 12:30 – 13:30

# Malaria update

**P0777** Haematological alteration of malaria patients with g-6-pd deficiency  
*M. Kotepui\* (Nakhon Si Thammarat, Thailand), K. Uthaisar*

**P0778** Post-malaria neurological syndrome: about 2 cases and systematic review  
*L. Surgers\* (Paris, France), P. Nivôse, P. Girard, J. Meynard*

**P0780** Identification of different malaria patterns due to *Plasmodium falciparum* and *Plasmodium vivax* in Ethiopian children  
*D. Shebeshi\* (Brussels, Belgium)*

**P0781** Genetic diversity of *Plasmodium vivax* meta-caspase 1 and Pvmdr1 of field isolates from Mauritania, Sudan and Oman  
*S. Picot\* (Lyon, France), F. Sow, B. Ahmed, S. Diagana, H. Kebe, M. Koita, B. Samba, S. Al Abri, O. Ali, S. Al-Mukhaini, M. Al-Zadjali, A. Samy, M. Hamid, M. Ali Albsheer, B. Simon, A. Bienvenu, E. Petersen*

**P0782** Clinical presentation, treatment options and relapse characteristics of human *Plasmodium ovale* malaria: a systematic review  
*M. Groger\* (Vienna, Austria), H. Fischer, L. Veletzky, A. Lalremruata, M. Ramharter*

**P0783** Is chloroquine useful again for the treatment of malaria in Africa? An *in vitro* pharmacodynamic study and review of literature  
*L. Veletzky\* (Vienna, Austria), R. Zoleko Manego, J. Mischlinger, G. Mombo-Ngoma, S. Agnandji, A. Adegnika, M. Ramharter*

**P0784** Performance of Belgian diagnostic laboratories to diagnose malaria and to identify *Plasmodium* species  
*A. Conesa Botella\* (Antwerp, Belgium), A. D'hondt, J. Verschuere, D. Van den Bossche, M. Van Esbroeck, J. Jacobs*

**P0785** Evaluation of *Plasmodium falciparum* malaria as a risk factor involved in human herpes virus 8 (HHV8) infection in Uganda  
*R. Romano\* (Rome, Italy), F. Tabacchi, G. Paganotti, G. Russo, I. Nofroni*

**P0786** Experience with LAMP (Loop mediated isothermal AMplification) for the detection of malaria at a university hospital  
*A. Deleplancque\* (Lille, France), J. Leroy, S. Loidant, E. Dutoit, B. Sendid*

**P0787** Antimalarial efficacy of synthetic peptides and bovine iron lactoferrin loaded nanoparticles  
*S. Kumar\* (Chandigarh, India), J. Kanwar, R. Vashishta, A. Bhalla, R. Sehgal*

**P0788** The illumigeneR Malaria DNA amplification assay for detection of *Plasmodium* spec. in returning travelers and immigrants  
*I. Reiter-Owona\* (Bonn, Germany), C. Schwarze-Zander, A. Hoerauf*

**P0789** A real-time PCR-based malaria assay for the detection and specification of all five human pathogenic *Plasmodium* species  
*L. Hecht\* (Hamburg, Germany), M. Weber, M. Hess*

**P0790** Illumigene malaria assay: new tool in the diagnosis of imported malaria  
*S. Houze\* (Paris, France), N. Argy, C. Bonnal*

**P0791** On-field evaluation of illumigene malaria lamp assay: a new rapid molecular test for malaria in travellers from endemic countries  
*G. Gregori\* (Torino, Italy), E. Burdino, P. Pistono, M. De Paola, R. Milano, M. Granito, V. Ghisetti*

**P0792** Experience with extracorporeal membrane oxygenation for *Plasmodium falciparum* malaria ARDS  
*L. Santos\* (Porto, Portugal), M. Guedes, F. Almeida, A. Ferreira, C. Alves, C. Abreu, R. Serrão, P. Figueiredo, A. Sarmento*

**P0793** The illumigeneR Malaria DNA amplification assay for detection of *Plasmodium* spec. in returning travelers and immigrants  
M. Parcina\* (Bonn, Germany), I. Reiter-Owona

**P037** 12:30 – 13:30

**Toxoplasmosis**

**P0794** VIDAS IgM II prototype: clinical sensitivity and specificity compared with current Vidas Toxo IgM I and Architect Toxo IgM on 221 clinically characterized sera  
H. Pelloux\* (Grenoble, France), S. Chevalier, F. Hélène, M. Brenier-Pinchart, C. Dard

**P0795** Performance of the *Toxoplasma* Elite MGB assay for the molecular diagnosis of toxoplasmosis  
F. Robert-Gangneux\* (Rennes, France), M. Brenier-Pinchart, H. Yera, S. Belaz, E. Varlet-Marie, P. Bastien

**P0796** Seroprevalence of *Toxoplasma gondii* antibodies in pregant women from Curitiba-Parana, southern Brazil  
R. Vaz\* (Parana, Brazil)

**P0797** Clinical validation of a new assay for detection of *Toxoplasma gondii* DNA by real-time PCR  
F. Genco\* (Pavia, Italy), S. Mason, C. Savio, M. Prestia, V. Meroni

**P0798** The role of *Toxoplasma* IgG avidity tests from a Scottish perspective  
C. Lim\* (Inverness, United Kingdom), R. Evans, S. Mavin, R. Milner

**P0799** Comparison of immunoassays from three chemiluminescent automatized systems for the detection of *Toxoplasma*-specific IgM and IgG antibodies  
J. Lis-Tønder\* (Vejle, Denmark), A. Løvig, G. Schouborg

**P0800** Parkinson's disease and *Toxoplasma gondii* infection: seromolecular assessing the possible link among patients  
S. Fallahi\* (Khorramabad, Iran), A. Rostami, E. Fallahi, F. Kheirandish, A. Fallahi

**P0801** Seroprevalance of *Toxoplasma gondii*, rubella and cytomegalovirus among pregnant women in Anatolian part of Istanbul, Turkey  
B. Aksu\* (Istanbul, Turkey), Ö. Yanilmaz, E. Ozyurt, U. Hasdemir, S. Aksaray

**P0802** Exposure to risk factors for *Toxoplasma gondii* infection in pregnant women from Romania  
G. Papa\* (Bucharest, Romania), S. Gheorghe, M. Preda, A. Nita, O. Ioghen, M. Huhu, L. Manolescu, I. Papa

**P0803** Seroprevalence and risk factors of *Toxoplasma gondii* infection among pregnant women  
M. Horvat\* (Cluj Napoca, Romania)

**P0804** Toxoplasmosis in haematopoietic cell-transplant recipients: an underestimated disease  
M. Batista\* (São Paulo, Brazil), D. Prestes, C. Mendes, J. Ramos, T. Okay, H. Caiaffa Filho, J. Schimidt, V. Rocha, S. Figueiredo Costa

**P0805** Seroprevalence and management of *Toxoplasma gondii* in allogeneic haematopoietic stem cell transplantation recipients  
H. Akan\* (Ankara, Turkey), E. Atilla, A. Ciftcioglu, P. Ataca Atilla, S. Balli, B. Isikoglu, P. Topcuoglu

**P0806** Reactivation of toxoplasmosis presenting as non-inherited cause of thrombophilia during pregnancy  
O. Săndulescu\* (Bucharest, Romania), A. Băicuș, E. Radu, L. Trașcă, M. Cîrstoiu

**P038** 12:30 – 13:30

**More on parasitic disease epidemiology and management**

**P0807** Study on the spread of *Trichomonas vaginalis* in HIV-positive individuals  
D. Velcheva\* (Sofia, Bulgaria), I. Elenkov

**P0808** Assessment of two confirmatory methods for diagnosis of Chagas disease among patients with inconclusive serology  
Z. Moure\* (Barcelona, Spain), E. Sulleiro, L. Iniesta, C. Guillén, I. Molina, M. Alcover, C. Riera, T. Pumarola Sole, R. Fisa

**P0809** Serological diagnosis of human toxocariasis with a focus on detection of IgA anti-*Toxocara* antibodies  
V. Boldis\* (Bratislava, Slovakia), F. Ondriska, S. Lipková

**P0810** Evaluation of urine and saliva as alternative sample to plasma for benznidazole monitoring  
M. Flores-Chavez\* (Madrid, Spain), G. Molini, J. Nieto, F. Gonzalez

**P0811** *Trypanosoma cruzi* in non-endemic area: genotyping and parasite load quantification in congenital and chronic Chagas disease  
M. Flores-Chavez\* (Madrid, Spain), C. Dominguez-Hidalgo, I. Ibañez, S. Martinez, P. Perez-Gordillo, E. García, J. Nieto



- P0812** **eANOFEL, a new online resource for parasitology and medical mycology training**  
M. Florent\* (Nantes, France), C. Simon, D. Basset, F. Botterel, P. Delaunay, C. Guiguen, C. Kauffmann-Lacroix, L. Lachaud, J. Pays, M. Pihet, D. Chabasse
- P0814** **Efficacy of gold nanoparticle-loaded with nitazoxanide on parasitological and histopathological parameters in murine cryptosporidiosis**  
A. Moustafa Fahmy\* (Cairo, Egypt)
- P0815** **Activity of *Zanthoxylum pistacifolium* Griseb upon different forms of *Trypanosoma cruzi*: studies in vitro**  
C. França da Silva\* (Rio de Janeiro, Brazil), R. Alves, Y. Díaz, J. Díaz, A. Pacheco, J. Escalona-Arranz, M. Soeiro
- P0816** **The impact of *Mycoplasma hominis* on the metronidazole resistance of *Trichomonas vaginalis* is dependent on the bacterial density and the parasitic strain**  
U. Fuernkranz\* (Vienna, Austria), J. Walochnik, B. Henrich
- P0817** **Schistosomiasis in a non-endemic country: diagnostic approach and chronic complications**  
G. Fernández Rivas\* (Badalona, Spain), S. Rour, L. Valerio, O. Pérez-Quílez, O. Martínez-Cuevas, D. Viasus Perez, A. Alcantara, M. Pedro-Botet
- P0818** **Outcome of *Schistosoma*-HIV coinfecting patients starting ART in rural Tanzania**  
K. Stete\* (Freiburg, Germany), T. Glass, G. Van Dam, A. Ntamatungiro, E. Letang, W. Kern, C. Hatz, M. Weisser, J. Utzinger, M. Müller
- P0819** **Epidemiology of urogenital schistosomiasis observed in Parma (northern Italy), a non-endemic setting during a 14-year period (2002–2016)**  
S. Montecchini\* (Parma, Italy), A. Calderar, S. Rossi, M. Dell'anna, G. Piccolo, F. Motta, M. Martinelli, M. Buttrini, M. Arcangeletti, M. Medici, F. De Conto, C. Chezzi
- P0820** **Human urogenital myiasis as an accidental finding in a hospitalized patient**  
P. Lacor\* (Brussels, Belgium), N. Poortmans, C. Berquin, R. Van der Straete, M. Depypere
- P0821** **Genotyping of *Enterocytozoon bieneusi* infecting renal transplant recipients**  
U. Ghoshal\* (Uttar Pradesh, India), S. Khanduja, U. Ghoshal
- P0822** **Prevalence of intestinal parasites in five Yanomami villages in the Amazonian forest: is it time to discuss about the anti-parasitic treatment of indigenous population?**  
M. Vasconcelos\* (Porto Velho, Brazil), J. Sánchez-Arcila, L. Peres, P. Sousa, M. Alvarenga, L. Lewis-Ximenez, M. Herzog, J. Oliveira-Ferreira
- P0823** ***Strongyloides stercoralis* in a rural community in northwestern Ethiopia**  
A. Amor\* (Madrid, Spain), M. Anegagrie, J. Saugar, E. Rodriguez, D. Zewdie, E. Dacal, M. Yimar, T. Hailu, Z. Herrador, J. de Los Santos, A. Benito
- P0824** **Evaluation of evidence of filarial infection in Haitian immigrants in southern Brazil**  
C. Cipriani Ponzi\* (Chapeco, Brazil), A. Rocha, A. Zucchi, L. Prust
- P0825** **Evaluation of *Enterobius vermicularis* prevalence due to the socio-economic levels and hygienic condition of the primary schools in Turkey**  
E. Özgör\* (Ankara, Turkey), A. Bektaş, N. Keskin
- P0826** **Clinical and laboratory profile of patients with leishmaniasis: a retrospective study from a tertiary care centre**  
N. Gupta\* (New Delhi, India), K. Kant, B. Mirdha
- P0827** **Antileishmanial activity of *Carthamus tinctorius*, *Pimpinella anisum*, *Cuminum cyminum*, *Cinnamomum verum* extracts in mice infected with *Leishmania major***  
F. Tabatabaie\* (Tehran, Iran), F. Maleki
- P0828** **Management of visceral leishmaniasis in patients under immunosuppressive treatments during outbreak in Fuenlabrada (Spain)**  
J. San Martín\* (Madrid, Spain), B. Matia, E. Carrillo, L. Botana, A. Castro, L. Fernández, J. García-Martínez, A. Ibarra-Meneses, L. Molina, C. Sanchez, L. Horrillo, C. Chicharro, J. Hinojosa, J. Nieto, E. Canalejo, S. Ortega, J. Moreno, J. Ruiz-Giardin
- P0829** **Cloning, expression and production of K26 immunodominant hydrophilic antigen from Iranian strain of *L. infantum* for serodiagnosis of visceral leishmaniasis in human and animal reservoir host**  
B. Hosseini Farash\* (Tehran, Iran), M. Mohebbali, B. Kazemi, H. Hajjaran, B. Akhoundi, R. Raoofian, A. Fata

- P0830** **Prevalence of asymptomatic *Leishmania* infection in patients in biologic therapies: experience of leishmaniasis outbreak in Fuenlabrada, Spain**  
J. San Martin\* (Fuenlabrada, Spain), B. Matia, E. Carrillo, A. Castro, L. Botana, J. Ruiz-Giardin, L. Fernández, A. Ontañón, A. Ibarra-Meneses, A. Romero-Maté, C. Sanchez, L. Molina, C. Chicharro, J. Jaqueti, J. Nieto, S. Ortega, J. Moreno
- P0831** **The eco-epidemiology of cutaneous leishmaniasis caused by *Leishmania tropica* in the city of Tubas in Palestine**  
I. Salah\* (Beer Sheva, Israel), B. Kotler, N. Davidovitch
- P0832** **Occurrence of *Acanthamoeba* species in fresh-water sources in southern regions of Saudi Arabia**  
A. Al-Hakami\* (Abha, Saudi Arabia), S. Al-Shehri, S. Al-Shahrani, M. Al-Qarni, A. Kadasah, S. Alghamdi, M. Hamid
- P0833** **Influence of age in *Dientamoeba fragilis* infection**  
A. Rodriguez-Guardado\* (Oviedo, Spain), J. Boga, C. Menendez, J. Fernandez-Suarez, M. Rodriguez-Perez, A. Coto-Montes, A. Garcia, F. Vazquez
- P0834** **High prevalence of *Dientamoeba fragilis* and blastocystis in rural Nepal: pathogens to treat or residents of a healthy gut?**  
Ö. Kurt\* (Istanbul, Turkey), T. Tolunay, A. Sürmeli, A. Arcan, Y. Yolcu, P. Yildiz, H. Kusoglu
- P0835** **Comparison of metronidazole vs paramomycin in the treatment of *D. fragilis* infection**  
A. Rodriguez-Guardado\* (Oviedo, Spain), C. Menendez, J. Boga, J. Fernandez-Suarez, M. Rodriguez-Perez, F. Vazquez, A. Garcia
- P0836** **Irritable bowel syndrome and microbiota: preliminary study on correlations between gut bacteria, *Dientamoeba fragilis*, blastocystis, and eating habits**  
Ö. Kurt\* (Istanbul, Turkey), M. Banzragch, C. Stensvold, O. Özcan, L. Andersen, S. Öktem Okullu, O. Sezerman, H. Nielsen, A. Tözün
- P0837** **Prevalence of *Dientamoeba fragilis* in the north of Israel during 2011–2015**  
E. Pavlotzky\* (Nesher, Israel), S. Ken-Dror, M. Barak
- P0838** **Clinical characteristics and epidemiology of intestinal tapeworm infections over the last decade in Japan**  
M. Tsuboi\* (Tokyo, Japan), K. Hayakawa, H. Yamasaki, N. Ohmagari, Y. Kato
- P0839** **Neurocysticercosis in Ourense, Spain – neglected but not forgotten**  
J. Guitian Deltell\* (Ourense, Spain), R. Fernandez Rodriguez, C. Gonzalez Fernandez, P. Lopez Mato, M. Paz Vidal, M. Bustillo Casado, G. Ozaita Arteché, M. Esteban Meruendano
- P0840** **Course of environment and host on the composition of sandfly microbiota**  
F. Karimian\* (Tehran, Iran), M. Oshaghi, H. Vatandoost, Y. Rassi, M. Mohebbi, N. Maleki-Ravasan, K. Arzamani, I. Moradian
- P0841** **Molecular epidemiology analysis of opisthorchiasis in Ukraine**  
D. Solodianskyi\* (Kharkiv, Ukraine), A. Evtushenko, V. Mordvinov, A. Katohin
- P0842** **Scabies outbreak in prisoners, Phuket Provincial Prison, January – June 2016**  
W. Jangiam\* (Phuket, Thailand), D. Puttarak

P039 13:30 – 14:30

#### Viral hepatitis

- P0843** **Hepatitis B reactivation in haematologic and autoimmune patients after rituximab mono- and combination therapy**  
N. Jung\* (Cologne, Germany), L. Dröbber, K. Töpel, J. Vehreschild, M. Hallek, G. Fätkenheuer, J. Fischer, C. Lehmann, V. Stormberg, U. Wieland
- P0844** **Identification of HCV core regions responsible for false positive reactions**  
Y. Zagryadskaya\* (Nizhny Novgorod, Russian Federation), S. Klimashevskaya, E. Matveeva, A. Burkov, A. Obriadina
- P0845** **A large-scale food-borne hepatitis A outbreak in Budapest, Hungary, 2015**  
B. Kadar\* (Budapest, Hungary), B. Szabo, K. Lenart, K. Nemesi, A. Szombati, A. Hettmann, M. Takacs, G. Prinz, E. Ujhelyi, J. Szlavik
- P0846** **Low prevalence of occult hepatitis B infection among blood donors in Beirut, Lebanon: reconsider the deferral strategy of anti-HBs-positive blood donors**  
M. El Chaar\* (Beirut, Lebanon), H. Samaha, T. Jisr Chaar, N. Al Banna

- P0847** **HBsAg mutations related to occult hepatitis B infection in HIV-1 patients result in a reduce secretion and conformational changes of HBsAg**  
S. Jazayeri\* (Tehran, Iran), A. Sadeghi, F. Tacke, M. Mohraz, S. Alavian, V. Poortahmasebi, E. Shirvani Dastgerdi, M. Poorebrahim
- P0848** **Characterization of occult hepatitis B infection (OBI) among Iranian vaccinated children from Alborz province – vertical OBI, myth or truth?**  
S. Jazayeri\* (Tehran, Iran), A. Ghaziasadi, A. Soleimany, Z. Fakhari, B. Aghcheli, S. Alavian, M. Gharavi, V. Poortahmasebi
- P0849** **The introduction of anti-hepatitis E IgM testing to Barts Health NHS Trust – the East London experience**  
A. Riddell\* (London, United Kingdom), A. Jeffery-Smith, S. Whitmore, W. Tong
- P0850** **HCV antiviral treatment uptake and correlates of anti-HCV positivity and harm reduction utilization among people who inject drugs in two cities in Croatia – findings from respondent-driven sampling surveys**  
J. Begovac\* (Zagreb, Croatia), S. Handanagic, S. Sevic, J. Barbaric, Z. Dominković, O. Dakovic Rode, I. Bozicevic
- P0851** **The prevalence of hepatitis C virus infection and its related risk factors among HCV chronic carriers in southern Italy**  
A. Petruzzello\* (Naples, Italy), A. Cozzolino, G. Loquercio, S. Marigliano
- P0852** **Testing and vaccination for hepatitis A and B among men who have sex with men attending a metropolitan sexual health service in New Zealand**  
M. Giola\* (Tauranga, New Zealand), J. Hilton, S. McAllister
- P0853** **Changes in the distribution of HCV genotypes by generations in the Santiago de Compostela district (Northwest Spain)**  
D. Navarro De la Cuz\* (Santiago de Compostela, Spain), S. Tome Martinez de Rituerto, J. Fernandez, A. Antela López, E. Losada, E. Molina, E. Otero, F. Gude, A. Aguilera
- P0854** **Urinary metabolites in patients with chronic hepatitis C virus infection as revealed by nuclear magnetic resonance-based metabolomics**  
L. Volpicelli\* (Rome, Italy), E. Biliotti, D. Palazzo, A. Tomassini, G. Capuani, F. Sciubba, R. Esvan, P. Maida, P. Perinelli, C. Franchi, M. Spaziante, M. De Angelis, G. Iaiani, P. Rucci, A. Miccheli, G. Taliani
- P0855** **Incidence of renal failure in 278 HIV-HBV co-infected patients receiving tenofovir disoproxil fumarate – ANRS C03 Aquitaine Cohort**  
C. Cazanave\* (Bordeaux, France), C. Vincilar, F. Le Marec, F. Bonnet, C. Rigother, E. Lazaro, M. Vareil, F. Dabis, D. Neau
- P0856** **Higher 4-1BB ligand expression on B cells in chronic hepatitis B patients**  
Y. Liu\* (Nanjing, China), R. Huang, G. Wang, C. Tian, C. Wu
- P0857** **Investigation of long non-coding RNA expression in patients with hepatitis B virus**  
C. Onlen\* (Adana, Turkey), H. Okuyan, G. Gülbol Duran, M. Demir
- P0858** **The epidemiology of viral hepatitis (HCV & HBV) and human immune deficiency virus in immigrants crossing from North and Sub-Saharan Africa**  
M. Daw\* (Alfijnaj St, Libya)
- P0859** **Biological agent usage and reactivation rates in patients with resolved HBV infection**  
A. Haykir Solay\* (Ankara, Turkey), A. Acar, F. Civelek Eser, E. Tutuncu, G. Cicek Senturk, Y. Gurbuz
- P0860** **Increased expression of semaphorin 3c and 6b in chronic hepatitis C is associated with the severity of liver disease**  
I. Grgić\* (Zagreb, Croatia), S. Zidovec Lepej, L. Gorenec, N. Papic, A. Planinic, A. Vince
- P0861** **Diagnostic performance of hepatitis E virus (HEV) antigen assay in HEV acute infection**  
A. Garbuglia\* (Rome, Italy), D. Lapa, C. Brega, A. Mammone, M. Zaccarelli, M. Capobianchi
- P0862** **Molecular diagnosis of HEV with a fully automated system based on transcription-mediated amplification assay**  
F. Abravanel\* (Toulouse, France), S. Lhomme, S. Chapuy-Regaud, N. Capelli, J. Boineau, J. Mansuy, K. Sandres-Saune, J. Izopet
- P0863** **HCV treatment with new direct acting antivirals (DAAs): characteristics of patients failing new DAA combinations**  
A. Pérez-García\* (Pamplona, Spain), A. Aguinaga, A. Navascués Ortega, J. Castilla Catalán, C. Ezpeleta
- P0864** **Analysis of variants associated with resistance of the new direct antiviral agents against HCV**  
A. Pérez-García\* (Pamplona, Spain), A. Aguinaga, A. Navascués Ortega, A. Avellon Calva, J. Castilla Catalán, C. Ezpeleta

- P0865** **Patients diagnosed with HCV: analysis of mortality and its predictors in the population cohort in Navarre (2015–2016)**  
A. Pérez-García\* (Pamplona, Spain), A. Aguinaga, J. Díaz-Gonzalez, R. Juanbeltz, J. Castilla Catalán, C. Ezpeleta
- P0866** **Generation and characterization of an anti-LHBs monoclonal antibody interfering with hepatitis B virus infection**  
S. Matsunaga\* (Yokohama, Japan), K. Miyakawa, Y. Yamaoka, A. Ryo
- P0868** **Trends in hepatitis E virus seroprevalence, Germany, 1998–2010**  
J. Wenzel\* (Regensburg, Germany), M. Faber, W. Niklas, M. Schemmerer, C. Rauh, R. Kuhnert, K. Stark
- P0869** **Continued decline of anti-HEV IgG prevalence in southern Germany, 2003–2015**  
M. Schemmerer\* (Regensburg, Germany), H. Mahrt, G. Behrens, M. Leitzmann, W. Jilg, J. Wenzel
- P0870** **Rare hepatitis C viruses of subtype 4r in south-eastern France**  
P. Colson\* (Marseille, France), L. Dubourg, R. Gérolami, P. Borentain, S. Mokhtari, D. Botta Fridlund, S. Aherfi
- P0871** **Comparison of the performance of the Aptima HBV Quant assay and the COBAS Ampliprep and COBAS Taqman HBV v2.0 test for the quantitation of HBV in clinical samples**  
D. Kwa\* (Amsterdam, Netherlands), N. Otten, S. Slijk
- P0875** **Weekly epidemiological monitoring of respiratory viruses is useful to select targeted viruses for routine molecular diagnosis for better resource management: a one-year study**  
R. Charrel\* (Marseille, France), L. Pezzi, L. Ninove, A. Nougaiere, C. Zandotti, X. de Lamballerie
- P0876** **Genetic diversity of HPV in tissues of tumours of the reproductive organs in women**  
D. Bogomolova\* (Rostov-on-Don, Russian Federation), Z. Tatiana, G. Nerodo, V. Ivanova, V. Nikitina, E. Nerodo, E. Verenikina, O. Kravtsova
- P0877** **Enterovirus epidemiology in a UK midlands population: 2014–2016**  
K. Teo\* (Leicester, United Kingdom), J. Tang
- P0878** **Towards optimal diagnostic approach in assessing genital HPV infection in men – the results of the prevalence and anatomic distribution study from Croatia**  
T. Mestrovic\* (Zagreb, Croatia), Z. Profzic, I. Savic, V. Profzic
- P0879** **Norovirus GII.Pe genotype: tracking foodborne outbreak on a cruise ship through molecular epidemiology, Brazil, 2014**  
S. Morillo\* (São Paulo, Brazil), A. Luchs, A. Cilli, C. Ribeiro, R. Carmona, M. Timenetsky
- P0880** **Molecular epidemiology of norovirus GII.4 strains in Greece**  
N. Siafakas\* (Athens, Greece), D. Hatzaki, E. Lebesi, I. Paraskakis, G. Chronopoulou, L. Zerva, S. Pournaras
- P0881** **Predominance of genotype G9P8E1 in rotavirus infection in Asturias (northwestern Spain)**  
J. Boga\* (Oviedo, Spain), G. Martin, S. Rojo, A. Fernández-Blazquez, Z. Perez-Martinez, M. Ferrero, M. Alvarez-Argüelles, M. Oña-Navarro
- P0882** **Molecular epidemiology of human rhinovirus in adults with community-acquired pneumonia in Beijing, China**  
X. Lu\* (Beijing, China), S. Zhang, X. Li, X. Li, Y. Tang
- P0883** **Co-circulation of three recombinant norovirus genogroup II genotype 4 variants, 2014–2016, Hong Kong, China**  
C. Chan\* (Shatin, Hong Kong), K. Kwok, T. Hung, L. Chan, P. Chan
- P0884** **Varicella zoster virus infections of the central nervous system: a single-centre experience**  
M. Zuhair\* (London, United Kingdom), C. Dugan, T. Mahungu
- P040** **13:30 – 14:30**  
**Epidemiology of viral infections**
- P0872** **Tick-borne encephalitis (TBE) – aspects of a TBE virus isolated from a biting *Ixodes ricinus* tick, giving rise to a human infection**  
P. Lindgren\* (Linköping, Sweden), A. Henningsson, R. Lindqvist, P. Norberg, P. Lindblom, P. Wilhelmsson, A. Roth, P. Forsberg, T. Bergström, A. Överby
- P0873** **Prevalence and distribution of high-risk human papillomavirus types in patients attended in health area Serrania, with cervical cancer**  
M. Gutiérrez Fernández\* (Ronda, Spain), J. Castro Rodriguez, F. Vera Marquez, M. Garrido Martinez
- P0874** **Rates and correlates of CMV reactivation after clearance of CMV viraemia during pregnancy**  
G. Parruti\* (Pescara, Italy), E. Polilli, E. Tracanna, F. Vadini, M. Gizzi, A. Sciacca, A. Agostinone, F. Sozio, A. Consorte, S. Boccabella, A. Mancini

- P0885** The New York City influenza A (H3N2) outbreak of August 2016 – a documentation of the Biofire surveillance software for early outbreak detection  
*S. Juretschko\* (Lake Success, United States), G. Berry, L. Meyers, R. Khare, F. Zhang, S. Duong*
- P0886** Molecular epidemiology of influenza B virus among hospitalized paediatric patients in northern Italy during the 2015–16 season  
*A. Piralla\* (Pavia, Italy), G. Lunghi, L. Ruggiero, A. Girello, S. Bianchini, F. Rovida, S. Caimmi, G. Marseglia, N. Principi, F. Baldanti, S. Esposito*
- P0887** Molecular epidemiology of adenoviruses circulating in Denmark, 2011–2016  
*C. Barnadas\* (Copenhagen, Denmark), D. Schmidt, T. Fischer, J. Fonager*
- P0888** Varicella zoster and herpes simplex infections of the central nervous system: a five-year retrospective comparative case series  
*A. Jayakumar\* (London, United Kingdom), M. Krutikov, D. Lucey, J. Mayer, C. Osborne, W. Tong*
- P0889** Genetic variation of BK and JC viruses among kidney transplant patients at the hospital tertiary care units in Bangkok  
*N. Horthongkham\* (Bangkok, Thailand), A. Pattama*
- P0890** Zika virus infections in Lombardy, Northern Italy 2016  
*I. Cassaniti\* (Pavia, Italy), F. Rovida, G. Campanini, E. Percivalle, M. Zavattoni, A. Sarasini, A. Arossa, P. Clerici, P. Grossi, P. Bonfanti, F. Castelli, A. Muzzi, B. Tassis, M. Gramegna, F. Baldanti*
- P0891** Sapovirus excretion period in a Peruvian community cohort of children less than two years old  
*C. Noelia Stephanie\* (Lima, Peru)*
- P0894** A familial cluster of severe hand, foot and mouth (HFMD) disease in the United Kingdom, including a case of “eczema coxsackium” caused by coxsackievirus A6: an emerging pathogen.  
*G. Trafford\* (Birmingham, United Kingdom), C. Sherlaw, J. Rweyemamu, S. Atabani*
- P0896** 2009 WHO revised classification for dengue: in paper or practice?  
*D. Sureshkumar\* (TamilNadu, India), D. Kala, S. Saravanakumar*
- P0897** Like father like son – UK imported alimentary-acquired tick-borne encephalitis  
*A. Jeffery-Smith\* (London, United Kingdom), E. Jüttler, S. Tiberi*
- P0898** Haemorrhagic fever with renal syndrome in Albania, during last five years  
*E. Puca\* (Tirana, Albania), E. Qyra, P. Pipero, A. Harxhi, G. Stroni, M. Kote, S. Bino, D. Kraja*
- P0899** Using the baculovirus expression vector system to express E1 and E2 proteins of chikungunya virus (CHIKV) and to identify compounds and antibodies that block CHIKV infection  
*T. Wu\* (Taoyuan City, Taiwan), S. Kuo, P. Shu*
- P0900** Epidemiological pattern of animal bites and factors affecting timely initiation of post exposure prophylaxis for rabies prevention among pediatric animal bite cases in North West Delhi, India.  
*M. Sahu\* (Delhi, India)*
- P0901** APTT is a better indicator than thrombocytopaenia alone to assess the need of platelet transfusion in dengue  
*K. Kalyan\* (Andhra Pradesh, India)*
- P0902** Serum plasma proteins associated with acute hantavirus infection in a pregnant woman  
*S. Brun Bar-Yaacov\* (Liverpool, United Kingdom), S. Armstrong, J. Duggan, T. Brooks, N. Beeching, J. Hiscox*
- P0903** Therapeutic plasma-exchange treatment in critical Crimean-Congo haemorrhagic fever patients  
*Z. Bestepe Dursun\* (Kayseri, Turkey), I. Celik, L. Kanyar*
- P0904** Paralytic ileus associated with West Nile virus infection, a case report  
*N. Brianese\* (Brescia, Italy), C. Fornabaio, S. Lorenzotti, A. Zoncada, F. Zacchi, A. Pan*

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**P041** 13:30 – 14:30  
**Rare and emerging infections**

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- P0892** Acute cerebellar ataxia: a rare Toscana virus (TOSV) meningoencephalitis complication  
*L. Suardi\* (Florence, Italy), N. Di Lauria, M. Pozzi, P. Rogasi, A. Barilaro, F. Azzolini, E. Prestipino, M. Colao, G. Rossolini, A. Bartoloni*
- P0893** Measles outbreak in southern Italy: Campania Region, 2016  
*N. Carannante\* (Napoli, Italy), C. Tascini, A. Lo Vecchio, M. Gambriglia, C. Rescigno, P. Lanzieri, C. Silvestri, S. Mascolo, M. Baggeri, L. Nicoletti, A. Bella, M. Rossi, E. Sozio, F. Magurano, A. Guarino*



- P0905** **Seroprevalence of leptospirosis and hantavirus infection in Girandurukotte, Sri Lanka: chronic kidney disease of unknown aetiology (CKDu) patients vs Non-CKDu individuals**  
Y. Sarathkumara\* (Peradeniy, Sri Lanka), M. Keramarou, T. Kulendiran, K. Yoshimatsu, N. Nanayakkara, J. Arikawa, C. Gamage
- P0906** **A protective role of innate immune responses to enterovirus71**  
B. Tassaneetrithep\* (Bangkok, Thailand), A. Wongsu, C. Pawong, A. Wongsu, P. Puthavathana, P. Auewarakul, P. Yenchitsomanus, C. Pawong
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- P042** **13:30 – 14:30**  
**Evaluation of novel tests in clinical virology**
- P0907** **Evaluation of the NanoCHIP HPV screening panel, a new molecular-based test for simultaneous detection of high- and low-risk human papilloma-virus (HPV) infections utilizing micro-array technology, compared to two other tests**  
Z. Greenberg\* (Ashdod, Israel), M. Lederkremer, E. Ron, H. Ofer, M. Zohar, M. London, V. Gershtein, P. Shaked Mishan
- P0908** **Evaluation of norovirus GII and GI detection with the new bioNexia Noro/Rota-Adeno rapid test**  
P. De Saint Jean\* (Marcy l'Etoile, France), K. Balay, L. Thery, M. Bidalot
- P0909** **Comparison of ARIES HSV 1 & 2 assay and viral culture for laboratory detection of neonatal HSV infection from mucosal swab specimen**  
R. Selvarangan\* (Kansas City, United States), F. Hassan, K. Anderson, L. Hays
- P0910** **Development and validation of a new mariPOC influenza A virus test with enhanced sensitivity**  
J. Koskinen\* (Turku, Finland), P. Antikainen, P. Suomala, S. Klotchenko, A. Vasin
- P0911** **Comparison of the RespiFAST RG panel with Luminex NxTAG respiratory pathogen panel for the detection of influenza virus, respiratory syncytial virus and *Mycoplasma pneumoniae***  
I. Micalessi\* (Bonheiden, Belgium), A. Cuypers, A. Vankeerberghen, H. De Beenhouwer, S. Gils, A. Smismans, J. Frans
- P0912** **Urine compared with serum for diagnostic rt-PCR in an Asian Zika virus outbreak in Singapore in 2016**  
T. Barkham\* (Singapore, Singapore), J. Leong
- P0913** **Multicentre evaluation of the BioFire FilmArray® ME panel on QCMD proficiency panel for viral meningitis/encephalitis pathogen targets**  
E. McCulloch\* (Glasgow, United Kingdom), P. Wallace, C. Alberti-Segui, S. Magro, C. Weber, C. Dubost
- P0914** **Harmonization of Zika virus nucleic acid testing**  
S. Kempster\* (South Mimms, United Kingdom), R. Anderson, C. Santirso Margareto, C. Morris, N. Almond
- P0915** **Multicentre evaluation of the variability of adenovirus quantification by PCR**  
S. Govind\* (South Mimms, United Kingdom), C. Morris, J. Hockley, N. Almond, J. Fryer
- P0916** **Analytic performance of the new Idylla platform for molecular detection of influenza A/B**  
V. Matheeuessen\* (Edegem, Belgium), K. Loens, M. Kuijstermans, C. Butler, P. Horby, H. Goossens, M. Ieven
- P0918** **High-incidence of Zika virus infection detected in plasma and cervical cytology specimens from pregnant women in Guayaquil, Ecuador**  
H. Zambrano\* (Ghent, Belgium), J. Waggoner, K. Leon, B. Pinsky, K. Vera, M. Schettino, L. Rivera, J. Landivar, A. Lee, G. Mor
- P0919** **Comparative evaluation of the Alegria anti-CMV (Orgentec) to the anti-CMV ELISA (Euroimmun) and the Immulite 2000 CMV (Siemens) for the detection of anti-CMV IgG and IgM antibodies**  
S. Schmidt\* (Mainz, Germany), E. Pietrowski, A. Letens, D. Herman, K. Pfrepper
- P0920** **Herpes simplex virus: ultra-deep sequencing approach for genotypic detection of antiviral drug-resistance**  
C. Rodriguez\* (Créteil, France), M. Darty, D. Boutolleau, S. Burrel
- P0921** **An evaluation of the DxN VERIS CMV assay for the detection of CMV DNA from saliva swabs**  
A. Yates\* (Sheffield, United Kingdom), D. Whittaker, C. Evans, M. Raza
- P0922** **Real-life evaluation of the FilmArray (ME) panel for the rapid diagnosis of meningitis and encephalitis**  
G. Gregori\* (Torino, Italy), E. Burdino, T. Ruggiero, T. Allice, M. Milia, R. Milano, R. Orecchia, V. Ghisetti

**P0923** Clinical prospective study comparing in-house respiratory viral assays with a highly multiplexed commercial assay developed by SpeedX  
*E. Mokany\* (Sydney, Australia), S. Nair, S. Erskine, N. Lima, P. Thailavappil, R. Seehoo, L. Tan, I. Carter, J. Kok, S. Chen*

**P0924** Multicentre evaluation of the revised RIDA QUICK test (N1402) for rapid detection of norovirus in a diagnostic laboratory setting  
*P. Van de Candelaere\* (Ypres, Belgium), S. Jonckheere, N. Botteldoorn, J. Frans, W. Laffut, G. Coppens, A. Vankeerberghen, H. De Beenhouwer*

**P0925** Evaluation of the Aptima HSV 1 & 2 assay versus lab developed real-time PCRs and BD test for detection of HSV-1 and HSV-2 viruses  
*M. Hermans\* ('s-Hertogenbosch, Netherlands), S. Backer de, N. Runderkamp, N. Renders, R. Huijsmans, D. Herman*

**P0926** Detection of herpes simplex and varicella zoster virus from skin lesion: comparison of RT-PCR and isothermal amplification for rapid identification  
*M. Jevsnič\* (Ljubljana, Slovenia), T. Ursic, M. Petrovec*

**P0927** Evaluation of two commercial extraction platforms, EasyMAG® and eMAG®, and impact upon amplification performance  
*S. Mohammed\* (Glasgow, United Kingdom), S. Kazi, N. Haggerty, A. Ricketts*

**P0928** Standardization of four types of human adenovirus in the absence of higher order standards  
*S. Mohammed\* (Glasgow, United Kingdom), L. Foley, S. Kazi, A. Ricketts*

**P0929** Performance reproducibility of positive control materials for multiple pathogens  
*S. Mohammed\* (Glasgow, United Kingdom), N. Haggerty, S. Kazi, A. Ricketts*

**P0930** Clinical performance and near patient testing of bioNexia Noro-Rota-Adeno rapid test  
*H. Briand\* (Marcy l'Etoile, France), L. Ji, I. Gu, V. Xu, F. Fulmar, C. Lamotte, J. Morgand, J. Dugua*

**P0931** Quantitative detection of BK virus in whole blood, plasma and urine using a commercial sample-to-answer, automated system  
*R. Hayden\* (Memphis, United States), Z. Gu, H. Zhu, C. Garner, S. Suganda, A. Rodriguez*

**P0932** Evaluation of the BioFire FilmArray respiratory panel 2 with faster test time  
*B. Kensing\* (Salt Lake City, United States), M. Buccambuso, M. Jones, K. Holmberg, J. Daly, A. Hopper, P. Schreckenberger, S. Desjarlais, A. Leber, K. Everhart, J. Oblad, R. Lems, J. Fisher, J. Larsen, K. Kanack*

**P0933** CMV and EBV R-gene conversion factor determination on eMAG  
*A. Barjhoux\* (Grenoble, France), M. Bonabaud, M. Dube, F. El Meskini, A. Perrod, V. Ligeon-Ligeonnet, P. Marechal*

**P0934** Evaluation of a new immunochromatographic test for Middle East respiratory syndrome coronavirus  
*Y. Yamaoka\* (Yokohama City, Japan), S. Matsunaga, H. Kuroyama, T. Chimuro, A. Ryo*

**P0935** Evaluation of a new diagnostic platform for the rapid identification of influenza and RSV: a head-to-head comparison of Idylla™ and GeneXpert®  
*W. Yannick\* (Lier, Belgium), D. Koletzki, T. Pattery, E. Rousseau, W. Laffut*

**P0936** Evaluation of the real-time reverse transcriptase-PCR assay panel for Middle East respiratory syndrome coronavirus  
*R. Gonzalez\* (Marcy l'Etoile, France), J. Lee, J. Ahn, B. Yu, S. Cho, M. Kim, J. Choi, S. Seo, S. Park, M. Seong*

**P0937** Evaluation of the respiratory pathogen panel assay for point-of-care testing using the ePLEX platform  
*D. Guerendiain\* (Edinburgh, United Kingdom), R. Nijhuis, L. MacKenzie, E. Claas, K. Templeton*

**P043** 13:30 – 14:30

## Epidemiology of fungal infections I

**P0938** Fungal infective endocarditis: echinocandins and no surgery?  
*A. Vena\* (Madrid, Spain), P. Muñoz, M. Valerio Minero, M. Rodríguez-Creixéms, M. Marin, A. Galar, M. Martinez-Selles, G. Cuerpo, E. Bouza Santiago*

**P0939** Comparison of the diagnostic criteria for chronic pulmonary aspergillosis according to the new ESCMID/ ERS/ ECMM and IDSA guidelines  
*H. Salzer\* (Borstel, Germany), J. Heyckendorf, B. Kalsdorf, T. Rolling, C. Lange*

- P0940** **Antifungal stewardship programme in a tertiary university hospital in Italy: a focus on candidaemia**  
C. Tascini\* (Pisa, Italy), G. Bertolino, E. Sozio, C. Carmignani, E. Rosselli Del Turco, A. Crocetto, L. Mazzuca, F. Sbrana, A. Ripoli, E. Tagliaferri, S. Barnini, L. Dal Canto, F. Menichetti
- P0941** **Application of ISHAM guidance on ABPA diagnosis to a clinical cohort a specialist clinic**  
I. Page\* (Manchester, United Kingdom), M. Richardson, D. Denning
- P0943** **ALS gene profiles and sequence variation, adhesion and biofilm formation in *Candida albicans* strains isolated from hospitalized patients**  
O. Sadik\* (Bucharest, Romania), I. Gheorghe, O. Shalal, O. Almahdawy, D. Alkurjia, L. Ditu, A. Holban, A. Ratiu, G. Pircalabioru-Gradisteanu, O. Banu, I. Czobor, C. Bleotu, V. Lazar, M. Chifiriuc
- P0944** ***Aspergillus nomius*: a cryptic but not innocent species causing invasive aspergillosis in humans**  
Y. Chen\* (Taipei, Taiwan), C. Wu, H. Lo
- P0945** **Cancer-related chronic pulmonary aspergillosis: experience in a tertiary hospital**  
J. Aguilar Company\* (Barcelona, Spain), I. Ruiz-Camps, M. Martin, J. Sampol, M. Peghin, E. Felip, J. Andreu, B. Almirante
- P0946** **Risk factors and predictors of mortality of candidaemia among patients hospitalized at an intensive care unit**  
M. Papadimitriou Oliveris\* (Patras, Greece), A. Spiliopoulou, N. Sioulas, I. Spiliopoulou, G. Karpetsas, E. Anastassiou, F. Fligou, M. Marangos, M. Christofidou
- P0947** **Genotyping reveals the frequency of clusters of *Candida albicans*, *Candida parapsilosis*, and *Candida tropicalis* causing candidaemia in hospitals located in Madrid and Valencia, Spain**  
P. Escribano\* (Madrid, Spain), J. Pemán, E. Canton, A. Ruiz Gaitán, R. Canton Moreno, E. García, G. de la Pedrosa, J. Garcia Rodriguez, E. Bouza Santiago, J. Guinea
- P0949** **Chronic pulmonary aspergillosis in cystic fibrosis patients**  
Y. Borzova\* (St. Petersburg, Russian Federation), Y. Kozlova, T. Bogomolova, S. Ignatyeva, I. Suslova, O. Aak, A. Orlov, T. Stepanenko, T. Filippova, N. Klimko, N. Vasilyeva
- P0950** **Two polymorphic protein-coding loci in a local population of *Trichophyton rubrum***  
I. Pchelina\* (St. Petersburg, Russian Federation), D. Azarov, G. Chilina, T. Medvedeva, E. Tsurupa, N. Vasilyeva, A. Taraskina
- P0951** **Fluconazole-resistant *Candida parapsilosis* candidaemia: an emerging threat?**  
A. Mesini\* (Genoa, Italy), M. Mikulska, N. Gandolfo, F. Elisa, D. Giacobbe, E. Coppo, A. Marchese, V. Del Bono, C. Viscoli
- P0953** **Incidence of *Candida* bloodstream infections at the University Hospital of South Manchester (UHSM) significantly decreased from 2007 to 2015**  
F. Alwathiqi\* (Manchester, United Kingdom), C. Moore, R. Richardson
- P0954** **Invasive pulmonary aspergillosis complicating influenza in critically ill patients**  
P. Verweij\* (Nijmegen, Netherlands), E. Kolwijck, F. Van de Veerdonk, H. Van der Hoeven
- P0955** ***Pneumocystis* pneumonia in patients with Cushing's syndrome: risk assessment and indication for chemoprophylaxis**  
K. Van Halem\* (Leiden, Netherlands), L. Vrolijk, A. Pereira, M. de Boer
- P0956** **Hematology daycare centre, a place for nosocomial transmission of *Pneumocystis jirovecii***  
A. Alanio\* (Paris, France), C. Robin, M. Gits-Muselli, G. Lamartire, F. Schlemmer, F. Botterel, C. Angebault, M. Leclerc, F. Beckerich, R. Redjoul, C. Pautas, A. Toma, S. Maury, B. Stéphane, C. Cordonnier
- P0957** **Fusariosis in a tertiary care hospital – a retrospective data analysis from 2007–2016**  
A. Tolios\* (Vienna, Austria), I. Zeller, W. Barousch, A. Hirschl, B. Willinger
- P0959** **The changing epidemiology of candidaemia in a tertiary care university centre**  
S. Alp\* (Ankara, Turkey), D. Gulmez, S. Arian-Akdagli, M. Akova
- P0960** **Over-expression of micro-RNAs modulates target genes in host cells during infection by *Histoplasma capsulatum* biofilms**  
A. Fusco-Almeida\* (Araraquara, Brazil), N. Pitangui, J. Singulani, G. Rodríguez-Arellanes, M. Taylor, F. Enguita, M. Mendes Giannini, A. Almeida

- P0961** **Invasive fungal infections in patients undergoing haematopoietic cell transplantation in a university hospital, São Paulo – Brazil: a 10-year retrospective study.**  
*M. Batista\* (São Paulo, Brazil), V. Bertollo Gomes Pôrto, J. Schmidt Filho, J. Nobrega De Almeida Junior, N. Zaidan Maluf, V. Rocha, S. Figueiredo Costa*
- P0962** **Epidemiology and clinical features of invasive fungal diseases after kidney transplantation**  
*M. Hyun\* (Seoul, South Korea), H. Seok, K. Lim, H. Shi, S. Cho, Y. Ha, C. Kang, D. Chung, K. Peck, J. Song*
- P0963** **Prevalence and risk factors for *Candida auris* colonization among intensive care patients in English hospitals: protocol for a field study**  
*C. Brown\* (London, United Kingdom), A. Sharp, A. Charlett, M. Cummins, R. Guy, A. Hall, K. Jeffery, B. Muller-Pebody, B. Patel, S. Schelenz, R. Manuel*
- P0964** **Invasive aspergillosis in renal transplant patients: a case control study**  
*B. Denis\* (Paris, France), M. Burbach, M. Peraldi, M. Resche-Rigon, A. Bergeron, T. Sophie, B. Stéphane, J. Molina, A. Alanio*
- P0965** **Epidemiology, diagnosis, evolution of 45 mucor-mycosis cases during the 2006–2016 period in a single tertiary hospital**  
*B. Denis\* (Paris, France), A. Ronchetti, M. Resche-Rigon, M. Legrand, N. Boissel, G. Socie, E. Raffoux, T. Sophie, E. Azoulay, B. Stéphane, A. Alanio, J. Molina*
- P0966** ***In vitro* and *in vivo* characteristics of *Candida albicans* isolates from bloodstream and vaginal infections**  
*E. Segal\* (Tel-Aviv, Israel), M. Frenkel, M. Mandelblat, J. Berman, R. Ben-Ami*
- P0969** **Seven years of clinical experience with the Yeast Traffic Light PNA FISH: assay performance and implications on antifungal therapy**  
*V. Özenci\* (Stockholm, Sweden), L. Klingspor, E. Lindbäck, M. Ullberg*
- P0970** **The diagnostic accuracy of beta-D-glucan, Mannan antigenaemia and procalcitonin in unstable critically ill patients with suspected invasive candidiasis**  
*P. Charles\* (Dijon, France), L. Audrey, P. Andreu, A. Dargent, S. Prin, J. Quenot, F. Dalle, R. Bruyere*
- P0971** **Environmental mould exposure leads to elevated *Mucorales* specific T-helper and T-memory cell frequencies in healthy adults**  
*S. Wurster\* (Würzburg, Germany), L. Page, P. Weis, M. Lazariotou, H. Einsele, A. Ullmann*
- P0972** **A prospective multi-centre evaluation of circulating galactomannan, 1,3-beta-D-glucan and *Aspergillus* DNA for detection of invasive aspergillosis in high-risk patients with haematological malignancies in Greece**  
*M. Siopi\* (Athens, Greece), S. Karakatsanis, C. Roumpakis, E. Eldeik, K. Korantanis, H. Sambatakou, P. Tsirigotis, M. Pagoni, N. Sipsas, J. Meletiadis*
- P0973** **External quality assessment scheme and inter-laboratory proficiency testing for *Cryptococcus* antigen detection**  
*F. Persat\* (Lyon, France), J. Eynard, M. Wallon, B. Poggi*
- P0974** **Evaluation of a new multiplex PCR kit for detection of clinically relevant *Aspergillus* species in BAL fluid**  
*J. Prattes\* (Graz, Austria), M. Hoenigl, S. Zinke, S. Heldt, S. Eigl, G. Johnson, S. Bustin, E. Stelzl, H. Kessler*
- P0975** **Potential impact of T2Candida assay on the use of empiric antifungal therapy in patients at high risk for candidaemia/invasive candidiasis: a tool for antifungal stewardship programmes?**  
*M. Giannella\* (Bologna, Italy), M. Paolucci, G. Vandì, G. Roncarati, F. Trapani, M. Bartoletti, S. Tedeschi, C. Campoli, S. Ambretti, M. Landini, R. Lewis, P. Viale*
- P0976** **Impact of storage conditions and DNA extraction protocols on the assessment of bacterial and fungal fecal microbiota**  
*C. Angebault\* (Créteil, France), A. Ghazlane, S. Volant, F. Botterel, C. d'Enfert, M. Bournoux*
- P0977** **Impact of DNA extraction protocol on the fungal microbiota identified from respiratory samples through high throughput DNA sequencing**  
*C. Angebault\* (Créteil, France), M. Payen, J. Costa, L. Delhaes, S. Ferreira, C. Rodriguez, F. Botterel*
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- P044** **13:30 – 14:30**  
**Diagnostic mycology I**
- P0967** **Microbiology of fungal keratitis in a tertiary hospital: a ten-year experience**  
*M. Rodriguez-Iglesias\* (Cádiz, Spain), J. Arca-Suarez, P. Aznar-Marin, I. Guerrero Lozano, T. Trujillo-Soto, P. Marin-Casanova, F. Galan-Sanchez*
- P0968** **Preliminary evaluation of an in-house *Aspergillus* PCR and the AsperGenius assay from a Danish mycology reference laboratory**  
*R. Jensen\* (Copenhagen, Denmark), R. Petersen, M. Arendrup*

- P0978**      **The significance of quantitative PCR for *Pneumocystis jirovecii* pneumonia diagnosis: discrepancies between clinic and laboratory**  
M. Oberle\* [Aarau, Switzerland], G. Wyss, C. Ottiger, H. Fankhauser, S. Irani, R. Zweifel, C. Fux, A. Conen
- P0979**      **Identification and phylogenetic of clinical isolates of *Candida*, based on D1/D2 region of the large ribosomal subunit**  
M. Aydin\* [Tekirdag, Turkey], K. Guven, A. Kaya
- P0980**      **Identification of moulds by MALDI-TOF mass-spectrometry Biotyper – comparison and optimization of protocols**  
A. Egli\* [Basel, Switzerland], N. Wohlwend, D. Hohler
- P0981**      **Surveillance of species distribution and anti-fungal susceptibility of nosocomial candidaemia during a five-year period in a university hospital centre from Croatia**  
M. Tonkic\* [Split, Croatia], I. Sustic, A. Novak, Z. Rubic, I. Goic-Barisic, J. Karanovic
- P0982**      **Monitoring of invasive aspergillosis antifungal therapy by quantitative reverse transcriptase real-time polymerase chain reaction (qRT-PCR)**  
H. Khodadadi\* [Shiraz, Iran], L. Karimi, H. Jafarian, K. Pakshir, K. Zomorodian
- P0983**      **Evaluation of loop-mediated isothermal amplification and real-time PCR for the diagnosis of *Pneumocystis jirovecii***  
I. Alejo Cancho\* [Barcelona, Spain], A. Vergara Gómez, C. Aylagas, R. Elisa, A. Fasanella, M. Fernández, M. Valls, J. Mas, J. Puig de la Bellacasa
- P0984**      **The clinical meaning of *Aspergillus* isolated from non-sterile respiratory samples in microbiology departments: friend or foe?**  
M. Semiglia Chong\* [Madrid, Spain], A. Vena, M. Martinez-Jiménez, J. Guinea, P. Escribano, P. Muñoz, M. Valerio Minero, E. Bouza
- P0985**      **Matrix-assisted laser desorption ionization time-of-flight mass spectrometry for rapid identification of fungal rhinosinusitis pathogens**  
Y. Huang\* [Beijing, China]
- P0986**      **MALDI-TOF based identification and anti-fungal susceptibilities of *Trichosporon* isolates causing invasive fungal diseases in China, 2010–2014**  
S. Yu\* [Beijing, China], L. Guo, Y. Xu
- P0987**      **Evaluation of the performance of ITS, BTU and CAM genes in identification of clinical *Aspergillus***  
Y. Li\* [Beijing, China], Y. Xu
- P0988**      **The evaluation of real-time PCR assays for aiding the diagnosis of invasive fungal disease: real-time *Aspergillus*, and real-time *Candida***  
J. Green\* [Glasgow, United Kingdom], J. Dougan
- P0989**      **Levels of IL-6, IL-8, IL-10 and IL-17A in serum and IL-8 in bronchoalveolar lavage fluid are elevated in haematological patients with invasive pulmonary aspergillosis**  
S. Heldt\* [Graz, Austria], S. Eigl, J. Prattes, H. Flick, J. Rabensteiner, P. Neumeister, F. Pruessner, H. Strohmaier, R. Krause, A. Wölfler, M. Hoenigl
- P0990**      **High-resolution melt analysis targeting a mitochondrial gene as a novel screening tool for *Mucorales* identification**  
R. Ferreira Caramalho\* [Innsbruck, Austria], T. Larentis, L. Madl, C. Lass-Flörl, M. Lackner
- P0991**      **Evaluation of the importance of the preliminary procedure for filamentous fungi identification by MALDI-TOF MS**  
N. Stromerova\* [Olomouc, Czech Republic], R. Komarkova, J. Bardon, J. Zapletalova
- P0992**      **Prevalence and species diversity of human-pathogenic *Mucorales* isolated from commercial food**  
B. Mousavi\* [Créteil, France], J. Costa, F. Botterel, P. Arné, J. Guillot, E. Dannaoui
- P0993**      **Azole resistance prevalence and mechanisms in *Aspergillus fumigatus* in a large tertiary care hospital**  
K. Lagrou\* [Leuven, Belgium], J. Poelmans, S. Patteet, G. Vande Velde, U. Himmelreich, J. Maertens,
- P0994**      **VITEK® MS in clinical and environmental *Aspergillus* spp. identification**  
L. Azevedo\* [Porto, Portugal], M. Pinheiro, E. Pinto
- P0995**      **Direct from culture identification of common clinical filamentous fungi using laser-ablation rapid evaporative ionisation mass spectrometry (REIMS)**  
S. Cameron\* [London, United Kingdom], A. Abdolrasouli, A. Perdonés-Montero, F. Bolt, A. Burke, Z. Bodai, T. Rickards, K. Hardiman, M. Rebec, Z. Takats



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| <b>P045</b>                                                | <b>13:30 – 14:30</b>                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular diagnostics (blood, stool, sterile sites)</b> |                                                                                                                                                                                                                                                                                                                                                  |
| <b>P0996</b>                                               | <b>Day 0 identification of microorganisms in positive blood cultures by using the fully automated FilmArray BCID assay</b><br><i>F. Grattard* (Saint-Etienne, France), P. Verhoeven, C. Haddar, N. Fonsale, A. Carricajo, B. Pozzetto</i>                                                                                                        |
| <b>P0997</b>                                               | <b>Performance and diagnostic accuracy of Accelerate Pheno™ system on clinical blood cultures for the rapid diagnosis of bloodstream infections</b><br><i>G. De Angelis* (Rome, Italy), G. Menchinelli, F. Liotti, B. Fiori, T. D'Inzeo, T. Spanu, M. Sanguinetti</i>                                                                            |
| <b>P0998</b>                                               | <b>Organizational impact of a rapid automated microbiological diagnostic testing: a preliminary study</b><br><i>G. De Angelis* (Rome, Italy), F. Romano, G. Menchinelli, B. Fiori, F. Liotti, T. Spanu, B. Posteraro, A. Cicchetti, M. Sanguinetti</i>                                                                                           |
| <b>P0999</b>                                               | <b>Multicentre comparison of results obtained with the FilmArray multiplex gastrointestinal panel using Copan FecalSwab and Cary-Blair stool from paediatric patients presenting with acute gastroenteritis</b><br><i>K. Chapin* (Providence, United States), L. LeBlanc, S. Duffy, J. Daly, R. Selvarangan, N. Kanwar, J. Jackson, A. Pavia</i> |
| <b>P1000</b>                                               | <b>Rapid and accurate forensic diagnosis of fatal meningococcal infection by real-time PCR</b><br><i>A. Fernández-Rodríguez* (Madrid, Spain), I. Merino Velasco, R. Abad, M. Paya, A. Carrillo, M. González-Albo, B. Alcalá</i>                                                                                                                  |
| <b>P1001</b>                                               | <b>Epidemiological profile of diarrhoeagenic pathogens detected by the FilmArray gastrointestinal panel in children with gastroenteritis in Parma, northern Italy</b><br><i>S. Montecchini* (Parma, Italy), A. Calderaro, M. Martinelli, F. Tummo, M. Buttrini, S. Covan, S. Rossi, M. Arcangeletti, M. Medici, C. Chezzi, F. De Conto</i>       |
| <b>P1002</b>                                               | <b>Comparison of PCR/electrospray ionization mass spectrometry and 16S rRNA gene sequencing for identification of microorganisms from clinical sterile body fluid specimens</b><br><i>V. Özenci* (Stockholm, Sweden), M. Ullberg, M. Vondracek, C. Giske, K. Strålin</i>                                                                         |
| <b>P1003</b>                                               | <b>Detection of <i>Anaplasma phagocytophilum</i> from human blood sample by PCR/ESI-MS</b><br><i>N. Harrison* (Vienna, Austria), H. Lagler, M. Kussmann, M. Obermüller, H. Burgmann, A. Makristathis, M. Ramharter</i>                                                                                                                           |

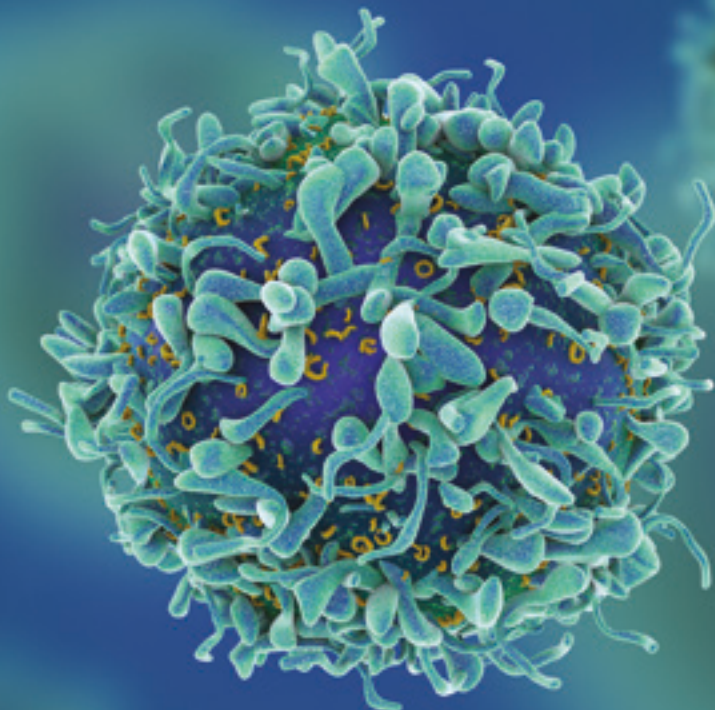
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| <b>P1004</b> | <b>Comparison of a PCR coupled with electro-spray ionization mass spectrometry (PCR/ESI-MS) with other microbiological methods (blood culture and 16S rDNA PCR followed by sequencing) to diagnose bloodstream infections</b><br><i>J. Tkadlec* (Prague, Czech Republic), E. Bébrová, J. Beroušek, J. Adámková, V. Martínková, C. Moser, D. Florea, P. Drevinek</i> |
| <b>P1005</b> | <b>Comparison of various microbiological methods for diagnosis of tuberculous meningitis in adults; a nine-year experience in Indonesia</b><br><i>R. Van Crevel* (Nijmegen, Netherlands), L. Chaidir, J. Annisa, S. Dian, I. Parwati, A. Alisjahbana, F. Purnama, A. Van der Zanden, A. Ganiem</i>                                                                  |
| <b>P1006</b> | <b>Evaluation of FilmArray gastrointestinal panel for aetiologic diagnosis of infectious gastroenteritis</b><br><i>A. Agathine* (Paris, France), M. Hnatova, S. Spinali, H. Yera, F. Rozenberg, C. Poyart, J. Loubinoux</i>                                                                                                                                         |
| <b>P1007</b> | <b>Added value of broad-range 16S PCR in the diagnosis of prosthetic joint infection</b><br><i>W. Van den Bijllaardt* (Tilburg, Netherlands), O. Van der Jagt, A. Buiting, J. Verweij</i>                                                                                                                                                                           |
| <b>P1008</b> | <b>Use of PCR/electrospray ionization mass spectrometry for rapid identification and antibiotic treatment adaptation in patients suffering from sepsis</b><br><i>M. Karrasch* (Jena, Germany), J. Geraci, S. Sachse, B. Löffler, M. Bauer, D. Rüdell, S. Singer, M. Kosevich, R. Sampath, S. Hagel, F. Bloos</i>                                                    |
| <b>P1009</b> | <b>Rapid identification of <i>Campylobacter</i> species directly from faecal samples using an isothermal DNA amplification assay – a multicentre study</b><br><i>A. Mursula* (Espoo, Finland), M. Mäki, D. Florea, A. Rafila, A. Mihai, V. Kurkova, R. Brůžková, V. Ruotsalainen, J. Elgh, A. Buissonniere, L. Benejat, P. Lehours, F. Megraud</i>                  |
| <b>P1010</b> | <b>Clinical impact of rapid diagnostic approach (direct GeneXpert) for the management of patients with skin and soft tissue infections (SSTI)</b><br><i>R. Onori* (Madrid, Spain), E. Bouza Santiago, M. Semiglia Chong, A. Alvarez-Uria, L. Jiménez-Navarro, L. Alcala, A. Burillo</i>                                                                             |
| <b>P1011</b> | <b>Comparison of six commercial kits for DNA extraction from human faecal samples</b><br><i>A. Turlej-Rogacka* (Antwerp, Belgium), H. Schellemans, S. Chapelle, L. Bryssinck, B. Xavier, C. Lammens, H. Goossens, S. Malhotra-Kumar</i>                                                                                                                             |

- P1012** **Evaluation of the Copan FecalSwab and Seegene Allplex gastrointestinal multiplex PCR panels for accurate and efficient molecular diagnosis of stool pathogens in a high volume-testing laboratory**  
A. Rebbapragada\* (Brampton, Canada), H. Dunn, M. Cartwright, H. Holloway, J. Goodman
- P1013** **Real-life use of the Filmarray blood-culture identification system: opportunities for antimicrobial stewardship and improvements in patient care**  
D. O'Brien\* (Cork, Ireland), S. Smyth
- P1014** **Broad-range 16s DNA polymerase chain reaction improves aetiological diagnosis of infective endocarditis**  
A. Grisolia\* (Palermo, Italy), A. Mularoni, F. Barbera, D. Bellavia, S. Sciacca, D. Di Carlo, P. Grossi, M. Pilato, A. Luca, P. Conaldi
- P1015** **Clinical utility of the FilmArray meningitis/encephalitis panel in a tertiary children's hospital**  
S. Naccache\* (Los Angeles, United States), J. Dien Bard
- P1016** **Rapid detection of urinary pathogens using molecular multiplex biochip array technology**  
N. Weir\* (Belfast, United Kingdom), S. Pattison, M. Crockard, D. Gilpin, C. Hughes, M. Tunney
- P1017** **PCR/ESI-MS vs. SeptiFast vs. blood culture in bloodstream infections**  
A. Makristathis\* (Vienna, Austria), N. Harrison, F. Ratzinger, M. Kussmann, B. Selitsch, A. Hirschl, H. Burgmann
- P1018** **Characterization of clinical specimens using GenMark's ePlex blood culture identification (BCID) panels**  
D. Hogan\* (London, United Kingdom), B. Brown, C. Shaw, A. Thornberg, M. Martinez, A. Al-Khoury, C. Ivy, N. Sikhamsey, E. Mendoza, S. Yousif, K. Rauscher, S. Wong, C. Fitch, J. Hill, R. Gertzen, C. Douglas, M. Jain, R. Miller, L. Freeman-Cook
- P1019** **Clinical evaluation of two molecular test systems for rapid pathogen detection in septic ICU patients: Do we need molecular upgrades in microbiological diagnostics to improve patient care?**  
D. Maneg\* (Frankfurt, Germany), K. Hunfeld
- P1021** **Increase of glycosilate haemoglobin is related to higher frequency of urinary infection in diabetic patients**  
A. Perrella\* (Naples, Italy), P. Belloepde, C. Sbreglia
- P1022** **Antimicrobial susceptibility and risk factors for extended spectrum beta-lactamase (ESBL)-producing agents in urinary tract infections (UTI)**  
E. Garza Gonzalez\* (Monterrey, Mexico), S. Mendoza-Olazarán, I. Robles-Torres, L. Gómez-Guerra, A. Camacho-Ortiz
- P1023** **Impact of asymptomatic urogenital infections on couple fertility**  
S. Ricci\* (Siena, Italy), S. De Giorgi, L. Boschi, G. Morgante, M. Oggioni, V. De Leo, S. Rossi, P. Piomboni, G. Pozzi
- P1024** **Molecular characteristics and clinical manifestation of extended-spectrum beta-lactamase-producing uropathogenic *Escherichia coli***  
S. Ryu\* (Daegu, South Korea), H. Kim, J. Lee
- P1025** **Nitroxolin does not result in microbiological eradication in geriatric patients with lower urinary tract infection: a prospective cohort study**  
C. Forstner\* (Jena, Germany), A. Kwetkat, D. Makarewicz, A. Hartung, W. Pfister, S. Hagel, N. Harrison, U. Schumacher, M. Pletz
- P1026** **Antibiotic resistance in urinary tract infections: do the patient and the syndrome matter?**  
F. Hitzentbichler\* (Regensburg, Germany), M. Simon, B. Salzberger, T. Holzmann, F. Hanses
- P1027** **Risk factors for occurrence and recurrence of lower urinary tract infections in a Tunisian women population**  
A. Masmoudi\* (Tunis, Tunisia)
- P1028** **Pyelonephritis as a marker of occult urinary tract cancer**  
K. Søgaard\* (Aarhus, Denmark), K. Veres, H. Sørensen
- P1029** **Increased resistance of Gram-negative urinary pathogens after kidney transplantation**  
H. Guberina\* (Essen, Germany), J. Korth, J. Kukalla, B. Ross, A. Kribben, P. Rath, B. Wilde, O. Witzke
- P1030** **Prevention of recurrent lower urinary tract infections with non-pathogenic *E. coli* 83972 instilled into the bladder**  
R. Pai Mangalore\* (Rosanna, Australia), M. Schembri, G. Huang, K. Chua, P. Charles
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- P046** **13:30 – 14:30**
- Urinary tract infections**
- P1020** **Predicting which antimicrobials to avoid for empiric treatment of urinary tract infections: a decision-tree analysis**  
M. Tandan\* (Galway, Ireland), M. Timilsina, M. Cormican, A. Vellinga

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| <b>P1031</b> | <b>Clinical efficacy of cefepime versus ertapenem in the treatment of adult patients with acute pyelonephritis caused by ESBL-producing <i>E. coli</i></b><br><i>J. Suh* (Seoul, South Korea), Y. Yoon, M. Kim, J. Sohn, J. Kim</i>                                                                                                                                                                                                                                                                                                                              | <b>P047</b>                | <b>13:30 – 14:30</b>                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>P1032</b> | <b>Estimating the cost of hospitalized patients with complicated urinary tract infections in countries with high prevalence of multidrug-resistant Gram-negative bacteria. Results of the COMBATE-MAGNET, RESCUING study</b><br><i>S. Morris* (London, United Kingdom), L. Vallejo Torres, M. Pujol, E. Shaw, I. Wiegand, J. Vigo, M. Stoddart, S. Grier, J. Gibbs, C. Vank, N. Cuperus, L. Van del Heuvel, N. Eliakim-Raz, J. Carratalà, C. Vuong, A. MacGowan, L. Leibovici, I. Addy</i>                                                                       | <b>Zika, Zika, Zika...</b> |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>P1033</b> | <b>Evaluation of Sysmex UF-1000i as screening of urine samples in hospitalized patients in a general hospital</b><br><i>R. Cisterna* (Bilbao, Spain), M. Almela Ferrer, M. Nieto Toboso, J. Diaz de Tuesta, M. Urrutikoetxea</i>                                                                                                                                                                                                                                                                                                                                 | <b>P1038</b>               | <b>Travel-related imported Zika, chikungunya and dengue infections in Croatia, 2016</b><br><i>T. Vilbici-Cavlek* (Zagreb, Croatia), I. Tabain, L. Barbic, V. Savic, L. Betica Radic, N. Pandak, V. Stevanovic, B. Luksic, P. Jelcic, B. Kaic</i>                                                                                                                                                                         |
| <b>P1034</b> | <b>Whole-genome comparison of <i>Escherichia coli</i> causing recurring and non-recurring urinary tract infections</b><br><i>K. Nielsen* (Copenhagen, Denmark), M. Stegger, K. Kiil, B. Lilje, K. Ejrnæs, R. Leihof, L. Skjot-Rasmussen, P. Godfrey, M. Feldgarden, T. Monsen, S. Ferry, A. Hammerum, P. Andersen, N. Frimodt-Møller</i>                                                                                                                                                                                                                         | <b>P1039</b>               | <b>Zika virus dynamics and immune response in patients with acute infection</b><br><i>M. Pacenti* (Padova, Italy), L. Barzon, A. Sinigaglia, E. Peta, E. Franchin, G. Palu</i>                                                                                                                                                                                                                                           |
| <b>P1035</b> | <b>Risk factors for treatment failure among hospitalized patients with complicated urinary tract infection in countries with high prevalence of multi-drug-resistant Gram-negative bacteria: a multi-centre retrospective study. Results of the COMBATE-MAGNET, RESCUING study</b><br><i>T. Babitch* (Petah Tikva, Israel), L. Leibovici, E. Shaw Perujo, I. Wiegand, C. Vank, L. Vallejo Torres, J. Vigo, S. Morris, S. Grier, M. Stoddart, J. Gibbs, N. Cuperus, L. Van del Heuvel, N. Eliakim-Raz, J. Carratalà, C. Vuong, A. MacGowan, I. Addy, M. Pujol</i> | <b>P1040</b>               | <b>ZIKV is susceptible to the antiviral activity of IFN-<math>\alpha</math> <i>in vitro</i> but fails to activate IFN response in human PBMC cultures</b><br><i>M. Biava* (Rome, Italy), L. Bordini, C. Caglioti, E. Lalle, C. Castilletti, F. Colavita, S. Quartu, F. Carletti, G. Ippolito, M. Capobianchi</i>                                                                                                         |
| <b>P1036</b> | <b>Gram-negative organisms causing emphysematous pyelonephritis: can we rely on antibiotics or should we be opting for earlier nephrectomy?</b><br><i>E. Boakes* (London, United Kingdom), D. Batura</i>                                                                                                                                                                                                                                                                                                                                                         | <b>P1041</b>               | <b>Screening of pregnant women and their partners exposed to risk of acquiring Zika virus infection presenting to Tuscany Reference Centre for Infectious Diseases in pregnancy, Florence, Italy</b><br><i>F. Rinaldi* (Florence, Italy), L. Zammarchi, M. Trotta, B. Borch, S. Tekle Kiro, A. Mantella, G. Venturi, G. Rossolini, M. Colao, F. Corcioli, A. Azzi, L. Bartolini, L. Pasquini, G. Rezza, A. Bartoloni</i> |
| <b>P1037</b> | <b>The emergence of MDR <i>Citrobacter freundii</i> in urinary tract infections (UTI) in intensive care unit of neurosurgery department and neurology wards</b><br><i>V. Mano* (Tirana, Albania), L. Fuga</i>                                                                                                                                                                                                                                                                                                                                                    | <b>P1042</b>               | <b>Zika virus infection – the experience of a reference laboratory for its surveillance in Catalonia</b><br><i>D. Romero* (Barcelona, Spain), E. Sulleiro Igual, A. Rando Segura, J. Esperalba, D. Pou Ciruelo, F. Salvador, A. Sanchez Montalva, M. Sanchez-Seco, A. Suy, A. Vazquez, I. Molina, T. Pumarola Sole</i>                                                                                                   |
|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>P1043</b>               | <b>Clinical and diagnostic experience of Zika virus at a tertiary centre in London</b><br><i>L. Macpherson* (London, United Kingdom), K. Gaskell, T. Cutino, T. Lampejo, C. Mallet, P. Pandya, A. Checkley, E. Nastouli</i>                                                                                                                                                                                              |
|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>P1044</b>               | <b>Non-vector-born Zika virus transmission, discrepancy between scientific knowledge and recommendations from international, North American and European guidelines: a systematic review, November 2016</b><br><i>M. Méchain* (Bordeaux, France), D. Malvy</i>                                                                                                                                                           |
|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>P1045</b>               | <b>Evidence of the spread of Zika virus disease (ZVD) among pregnant women in the Monterrey metropolitan area, Nuevo Leon Mexico.</b><br><i>E. Garza Gonzalez* (Monterrey, Mexico), S. Flores-Treviño, A. Camacho-Ortiz, R. Tellez-Marroquín, R. Campos, D. Saldívar, J. Soria, A. Guzman, S. Mendoza-Olazarán</i>                                                                                                       |

- P1046** **Zika virus detected in the human eyes during outbreak investigation in Thailand, September 2016; a potential of person-to-person transmission of Zika virus**  
*R. Buathong\* (Bangkok, Thailand), H. Kanjanasombut, S. Wacharapluesadee, Y. Joyjinda, N. Sae-liang, T. Hemachudha*
- P1047** **The first report of two confirmed Zika virus-related microcephaly cases in Asia, an outcome of nationwide surveillance implementation in Thailand, February – September 2016**  
*R. Buathong\* (Bangkok, Thailand), N. Saritapirak, N. Yimchoho, S. Suekam, T. Plipat*
- P1048** **An outbreak investigation of Zika virus infection in an exported Thai migrant worker bound for Taiwan, Udon Thani, Thailand May – June 2016**  
*O. Suwanchairob\* (Nonthaburi, Thailand), P. Siriarayapon, C. Padungtod, R. Buathong*
- P1049** **Mapping Zika virus in Ecuador, a current epidemiological overview of the latest emergent viral disease.**  
*E. Ochoa Toasa\* (Quito, Ecuador), S. Núñez González, C. Gault, M. Valladares, C. Félix Gallegos, R. Hidalgo Ottolenghi, D. Simancas Racines*
- P1050** **Characterization of chikungunya, Zika and dengue infections in Rio de Janeiro, Brazil**  
*P. Damasco\* (Rio de Janeiro, Brazil), T. de Souza, J. da Silva, F. de Paiva, M. Barbosa, C. da Costa, C. Santos, P. Nunes, F. dos Santos, E. de Azevedo*
- P1051** **Clinical and laboratory characteristics of Zika virus infections from an outbreak in Singapore: a case-control study**  
*H. Ho\* (Singapore, Singapore), M. Win, S. Guleria, A. Aung, Y. Leo, A. Chow*
- P1052** **Necropsy findings of four cases of microcephaly-associated with Zika virus in northeastern Brazil**  
*G. Safieh\* (Natal, Brazil), A. de Oliveira Ramos, V. Maria Clara, K. Mulatinho, S. Filho, B. Cavalcanti*
- P1053** **False-positive Zika PCR results: Zik and you shall find**  
*Y. Heng\* (Singapore, Singapore), M. Chan, B. Jiang, T. Tan*
- P1054** **Thailand, an example of how to sustainably prevent and manage the spread of Zika virus in an endemic country, February – November 2016**  
*O. Sauvage\* (Montpellier, France), R. Buathong*
- P1055** **Interdisciplinary findings of 103 infants evaluated during the Zika virus epidemic in Brazil**  
*F. Fialho\* (Rio de Janeiro, Brazil), D. Capra, E. Eduardo, C. Gaspari, D. Gouvêa, A. Jaccoud, P. Martins, J. Saviolo, M. Senra Aibe, G. Soares, R. Vasco, N. Ventura*
- P1056** **Implementation of Zika virus testing in a multi-hospital system in the greater New York City area – problems and solutions**  
*G. Berry\* (Lake Success, United States), F. Zhang, K. Julmis, S. Juretschko*
- P1057** **Severe thrombocytopenia following Zika virus infection in Guadeloupe, 2016**  
*B. Hoen\* (Pointe-à-Pitre, Guadeloupe), T. Boyer Chamard, K. Schepers, S. Breurec, T. Messiaen, A. Destrem, M. Mahevas, A. Soullou, L. Janaud, E. Curlier, C. Herrmann-Storck*
- P1058** **A Zika virus outbreak in multiple districts of an Eastern province, Thailand, July – November 2016: a role of entomological investigation for improved vector control**  
*P. Wattanacheep\* (Chanthaburi, Thailand), N. Aungsananta, R. Buathong*
- P1059** **Comparison of two Zika virus serological techniques for the screening of asymptomatic pregnant women in reference centre in Barcelona**  
*R. Daniel\* (Barcelona, Spain), A. Rando, A. Suy, J. Esperalba, A. Vazquez, R. Moreno, C. Rodo, M. Espasa, M. Sanchez-Seco, T. Pumarola Sole, E. Sulleiro*
- P1060** **Zika virus infection in pregnant women travelling from affected countries and follow-up of infants, in a non-endemic area, Spain**  
*I. Alejo-Cancho\* (Barcelona, Spain), E. Marbán-Castro, A. Gonce, A. Bardaji*





## ASM/ESCMID Conference on Drug Development to Meet the Challenge of Antimicrobial Resistance September 6–8, 2017 • Boston, Massachusetts

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# Monday, 24 April 2017

P048 12:30 – 13:30

## What is responsible and adequate antibiotic use?

**P1061** Improving antimicrobial stewardship: development of a national surveillance system and quantifying antimicrobial stewardship activity for open access bench-marking data  
P. Howard\* (Leeds, United Kingdom), D. Ashiru-Oredope, S. Hansraj, E. Budd, S. Brown, S. Hopkins

**P1062** A systematic review of quality indicators for appropriate antibiotic use in hospitalized adult patients  
K. Marlot\* (Amsterdam, Netherlands), J. Prins

**P1063** What is responsible antibiotic use? Towards a global definition  
A. Monnier\* (Nijmegen, Netherlands), M. Hulscher, B. Eisenstein, I. Gyssens

**P1064** Evaluating antimicrobial stewardship programmes: development of process and outcome indicators  
M. Akpan\* (Hatfield, United Kingdom), N. Shebl, M. Zloh, R. Ahmad

**P1065** Predictors of inadequate antimicrobial prescription. What we can improve?  
S. Pérez Galera\* (Seville, Spain), J. Giron Ortega, Z. Palacios Baena, I. Morales, M. Beltran, Á. Arenzana Seisdedo, V. Palomo, A. Suárez, J. Rodríguez-Baño, P. Retamar Gentil

P049 13:30 – 14:30

## Living together in a world of resistance

**P1066** Investigation of antibiotic resistance genes from urban animals in Marseille, France  
J. Rolain\* (Marseille, France), E. Ngaiganam, T. Leangapichart, S. Diene

**P1067** Can the CRISPR/Cas system act as a barrier to antimicrobial resistance plasmids in *Escherichia coli*?  
S. Aydin\* (London, United Kingdom), Y. Personne, E. Newire, R. Laverick, O. Russell, A. Roberts, V. Enne

**P1068** Modelling and classifying the spread of antibiotic-resistant bacteria  
N. Fallach\* (Tel Aviv, Israel), E. Silberschein, E. Temkin, Y. Almagor, Y. Carmeli

**P1069** Intensive poultry production: an important hot-spot of multi-resistant *Escherichia coli* in Ecuador  
J. Zurita\* (Quito, Ecuador), C. Vinuesa, C. Narvaez-Manosalvas, P. Barba, D. Ortega-Paredes

**P1070** Prevalence and characterization of multidrug-resistant isolates isolated from Lebanese poultry, a nationwide study  
Z. Daoud\* (Amioun, Lebanon), I. Dandachi, E. Salem Sokhn, E. Dahdouh, C. Challita, S. Diene, J. Rolain

**P1071** Genetic diversity of class 2 integrons among *Escherichia coli* isolates from food, animal and human sources. Detection of a novel arrangement in ST57 *E. coli* clones from Mexico  
C. Alonso\* (Logroño, Spain), G. Cortés-Cortés, E. Maamar, M. Massó, R. Rocha-Gracia, C. Torres, D. Centrón, M. Quiroga

**P1072** Trends in plasmids harbouring *blaSHV-12* in *Escherichia coli* from animal and human origin  
A. Liakopoulos\* (Lelystad, Netherlands), A. Kant, D. Mevius

**P1073** Veterinary pathogens from dairy cattle: resistance data over a period of nine years – the German national antibiotic resistance monitoring (GERM Vet)  
H. Kaspar\* (Berlin, Germany), U. Steinacker, A. Roemer, A. Karaalp, J. Wallmann

**P1074** High prevalence of ESBL-producing *E. coli* colonization among wild vultures: comparative study between sedentary and migratory vultures  
L. Lopez Cerero\* (Seville, Spain), I. López-Hernández, G. Blanco, F. Caballero, P. Díaz de Alba, A. Pascual Hernandez

**P1075** Low clonal overlap of extended-spectrum beta-lactamase-producing *Escherichia coli* from human, canine and bovine hosts in the upper midwest USA  
T. Fritsche\* (Marshfield, United States), B. Olson, E. Sokurenko, S. Shukla, M. Hall, D. Ortiz

**P1076** Prevalence of multidrug-resistant bacteria in hospital environment and the effects of cleaning and seasonal variations on the carriage and transmission rates  
B. Hassan\* (Cardiff, United Kingdom), M. Ijaz, A. Khan, G. Lai, L. Clayfield, G. Serfas, T. Walsh

- P1077** **Assessment of antibiotic resistance genes and integrons in commensal *Escherichia coli* from Indian urban wastewater: implications and significance for public health**  
S. Nambram\* (New Delhi, India), J. Virdi
- P1078** **The prevalence of quinolone non-susceptible *Haemophilus influenzae* in Japan: analysis of the mutations in quinolone resistance-determining regions**  
T. Shirakura\* (Tokyo, Japan), H. Shoji, M. Maeda, K. Fukuchi, K. Ugajin, K. Tanaka, Y. Niki
- P1079** **High diversity of ESBL-producing *Escherichia coli* in the Danube river and tributary streams at Budapest, Hungary**  
A. Toth\* (Budapest, Hungary), E. Róka, H. Honvéd, I. Damjanova, L. Jánvári, M. Vargha
- P1080** **Whole-genome sequencing analysis of multi-drug-resistant *Salmonella* Infantis isolates circulating in the German food-production chain**  
J. Fischer\* (Berlin, Germany), M. Borowiak, B. Baumann, I. Szabo, B. Malorny
- P1081** **Comparison of three plasmids harbouring *blaKPC-2* from *Klebsiella pneumoniae* ST437 isolated from clinical sample and urban rivers**  
G. Francisco\* (São Paulo, Brazil), M. Bueno, L. Cerdeira, S. lenne, T. Souza, N. Lincopan, D. Garcia
- P1082** **Extended-spectrum beta-lactamase (ESBL) and carbapenem resistance in Enterobacteriaceae in beef cattle in Great Britain in 2015**  
R. Horton\* (New Haw, United Kingdom), F. Lemma, R. Smith, J. Evans, S. Tongue, L. Randall
- P1083** **Prevalence of antibiotic resistance phenotypes and genes in the cultivable aquatic microbiota from some Romanian natural fishery lakes**  
I. Gheorghe\* (Bucharest, Romania), V. Lazar, L. Ditu, A. Holban, C. Curutiu, I. Savin, F. Marinescu, C. Violeta Corina, D. Dobre, M. Chifiriuc
- P1084** **Fluoroquinolone resistance in third-generation cephalosporin-resistant Enterobacteriaceae isolates from admission rectal screening cultures versus clinical strains – a prospective multicentre study**  
A. Rohde\* (Berlin, Germany), J. Zweigner, S. Peter, S. Feihl, A. Hamprecht, A. Kola, L. Pena Diaz, B. Obermann, H. Seifert, P. Gastmeier, W. Kern
- P1085** **Increased isolation of fluoroquinolone-resistant *Haemophilus influenzae* strains from respiratory samples in Navarra, (northern Spain)**  
A. Gil-Setas\* (Pamplona, Spain), C. Ezpeleta Baquedano, L. Torroba, E. Portillo, A. Aguinaga, A. Navascués Ortega, A. Alvaro
- P1086** **Diversity of *blaESBL* genes in *E. coli* isolated from retail chicken meat in Brazil and France**  
M. Nogueira\* (São José do Rio Preto, Brazil), T. Casella, M. Haenni, J. Madec
- P1087** **A high resistome diversity in a metropolitan hospital wastewater in Turkey revealed using shotgun metagenomics**  
A. Gundogdu\* (Kayseri, Turkey), U. Nalbantoglu, H. Kilic
- P1088** **Prevalence and diversity of plasmids encoding extended-spectrum cephalosporin resistance in *Escherichia coli* of animal origin during eight-year surveillance in the Netherlands**  
D. Ceccarelli\* (Lelystad, Netherlands), K. Veldman, A. Kant, A. Van Essen-Zandbergen, M. Rapallini, B. Wit, D. Mevius
- P1089** **Isolation of multidrug-resistant *Escherichia coli* strains from healthy donkeys in Greece**  
G. Filioussis\* (Thessaloniki, Greece), A. Starras, T. Papadopoulos, D. Papadopoulos, A. Xexaki, E. Petridou, A. Sdragas, G. Arsenos
- P1090** **Dissection of a new *qnrD2* *M. morganii* plasmid isolated from diseased cold-blooded amphibians**  
J. Hammerl\* (Berlin, Germany), C. Jäckel, C. Banyai, M. Grobbel, T. Skladnikiewicz-Ziemer, S. Hertwig, K. Nöckler, J. Beutlich
- P1091** **Carbapenemase-producing Enterobacteriaceae recovered from a Spanish river ecosystem**  
N. Piedra Carrasco\* (Barcelona, Spain), A. Fabrega, W. Calero-Caceres, T. Cornejo-Sánchez, M. Brown-Jaqu, A. Mir Cros, M. Maite, J. González-López
- P1092** **Extended-spectrum beta-lactamase (ESBL) producing and ciprofloxacin-resistant *Escherichia coli* intestinal colonization of Brazilian cattle**  
J. Palmeira\* (Porto, Portugal), H. Ferreira
- P1093** **Intestinal colonization of healthy Portuguese cattle with multidrug-resistant (MDR) extended-spectrum beta-lactamase (ESBL)-producing *Escherichia coli***  
J. Palmeira\* (Porto, Portugal), A. Silva, J. Santos, H. Ferreira
- P1094** **Carbapenemase, ESBL, *pmqr* genes in Enterobacteriaceae from clinical specimens, hospital sewage, and wastewater treatment plants in Tunisia**  
M. Yosra\* (Hammam Sousse, Tunisia), W. Mansour, N. Boujaafar, O. Bouallègue, J. Madec, M. Haenni

- P1095** **Active surveillance of emerging resistance in livestock implemented in the national monitoring programme on antimicrobial resistance**  
K. Veldman\* (Lelystad, Netherlands), J. Testerink, A. Van Essen-Zandbergen, A. Kant, Y. Geurts, D. Ceccarelli, M. Japing, M. Brouwer, A. Hesp, B. Wit, P. Dop, M. Rapallini, D. Mevius
- P1096** **High faecal carriage of antibiotic-resistant Enterobacteriaceae strains among food handlers in Gambia**  
D. Sagnia\* (Banjul, Gambia), B. Sanneh, H. Jallow, A. Kebbeh
- P1097** **Occurrence of extended -spectrum beta-lactamase, AmpC and virulence genes in *Escherichia coli* from vegetable salads, Morocco**  
N. Kaotar\* (Casablanca, Morocco), D. Barguiga, B. Bouchrif, I. Diwara, F. El Otmani, N. Elmdaghri, K. Zerouali, M. Timinouni
- P1098** **Prevalence and characterization of extended-spectrum beta-lactamase-producing *Escherichia coli* in faecal samples of healthy cattle and farmers**  
R. Nakano\* (Kashihara, Japan), A. Nakano, R. Nishisouzu, Y. Ono, H. Yano
- P1099** **Extended-spectrum beta-lactamase resistant *Escherichia coli* in vampire bats and livestock of Lima, Peru**  
A. Appelgren\* (Montpellier, France), J. Benavides, C. Shiva, M. Virhuez, J. Vendrell, S. Aberkane, J. Solassol, D. Streicker, G. Sylvain
- P1100** **Wastewater used in urban agriculture in low and middle income countries: a vector of dissemination of antibiotic resistance**  
B. Blaise\* (Birmingham, United Kingdom), C. Zongo, S. Thiele-Bruhn, L. Piddock
- P1101** **Assessing antimicrobial resistance, including multidrug-resistant and ESBL-producing *E. coli*, on seven dairy farms in north Somerset, which have reduced their use of critically important antimicrobials**  
M. Avison\* (Bristol, United Kingdom), A. Turner, K. Reyher, T. Cogan, K. Turner, D. Barrett
- P1102** **Comparative whole-genome analyses of VIM-1 carbapenemase-producing *Escherichia coli* and *Salmonella enterica* strains derived from two German chicken-fattening farms**  
J. Fischer\* (Berlin, Germany), S. Guenther, L. Falgenhauer, T. Chakraborty, U. Rösler, N. Roschanski
- P1103** **NGS-based analysis of AmpC-beta-lactamase CMY-2-producing *Escherichia coli* from humans, livestock and food in Germany**  
M. Pietsch\* (Wernigerode, Germany), A. Irrgang, N. Roschanski, G. Michael, H. Rieber, A. Kaesbohrer, S. Schwarz, U. Rösler, Y. Pfeifer, G. Werner
- P1104** **Eighteen years of monitoring of AMR in livestock in commensal *E. coli* in the Netherlands**  
A. Hesp\* (Lelystad, Netherlands), J. Testerink, M. Japing, A. Kant, J. Van der Goot, B. Wit, G. Van Schaik, D. Mevius, K. Veldman
- P1105** **Various blaNDM-1-carrying *Acinetobacter* species recovered from hospital sewage**  
Y. Hu\* (Chengdu, China), Z. Zong
- P1106** **Contaminated marine recreational beaches in São Paulo State (Brazil): a soup of resistant bacteria**  
V. da Costa Andrade\* (Rio Claro, Brazil), A. Oliveira, B. Eliete Rodrigues, R. Merguizo Chinellato, M. Basilio Massonetto
- P1107** **Extended-spectrum beta-lactamase and AmpC beta-lactamase-producing *Escherichia coli* and *Klebsiella pneumoniae* isolates from wild birds in Canada**  
I. Jamborova\* (Brno, Czech Republic), N. Janecko, D. Halova, J. Sedmik, K. Mezerova, I. Papousek, I. Kutilova, M. Dolejska, A. Cizek, I. Literak
- P1108** **Carbapenemase-producing Enterobacteriaceae isolates in corvids in North America**  
I. Kutilova\* (Brno, Czech Republic), I. Literak, I. Jamborova, M. Masarikova, A. Cizek, D. Cejkova, N. Janecko, V. Rotova, J. Hrabak, M. Dolejska
- P1109** **Is Europe ready for One Health? 2016 EPI-Net report on the status of national surveillance systems on antimicrobial resistance (AMR) in human, food, and animals**  
N. Babu Rajendran\* (Tübingen, Germany), M. Nunez, M. Navarro, J. Rodríguez-Baño, R. Schrijver, F. Burkert, A. Voss, F. Sifakis, E. Tacconelli
- P1110** **Comparative whole-genome analysis of clinical and environmental ESBL-producing *Escherichia coli***  
A. Fagerström\* (Örebro, Sweden), J. Jass, M. Sundqvist, P. Mölling, B. Söderquist
- P1111** **Occurrence and characteristics of extended-spectrum beta-lactamase-producing *Escherichia coli* in horses in the Czech Republic**  
A. Valček\* (Brno, Czech Republic), L. Kohoutova, M. Masarikova, P. Jahn, M. Dolejska, A. Cizek

- P1112** **Characterization of antimicrobial-resistant *Escherichia coli* from wild reindeers in Norway and Svalbard**  
S. Nøstvedt Ramstad\* (Oslo, Norway), K. Rudi, D. Porcellato, J. Ludvigsen, M. Sunde
- P1113** **Prevalence of extended-spectrum beta-lactamase-producing Enterobacteriaceae in farms from two French overseas departments (Indian Ocean)**  
G. Miltgen\* (Saint-Denis, Réunion), M. Robert, M. Laval, E. Cardinale, S. Ramin, O. Belmonte Garcia
- P1115** **High levels of AMR Enterobacteriaceae present in the maternal faecal flora in low middle income countries**  
A. Sanches Mexia Ferreira\* (Cardiff, United Kingdom), K. Sands, E. Portal, Z. Modibbo, K. Iregbu, S. Mehtar, S. Saha, R. Zahra, H. Shirazi, G. Chan, D. Bekele, J. Mazarati, A. Rucogoza, R. Milton, M. Carvalho, T. Walsh

P050 12:30 – 13:30

**Antibiotic prescribing – consumer and prescriber surveys**

- P1116** **Young doctors' perspectives on antimicrobial use and resistance in Europe: preliminary results of the YPAR study**  
B. Beovic\* (Ljubljana, Slovenia), M. Dousak, C. Pulcini, G. Beraud, J. Pano-Pardo, D. Kofteridis, J. Cortez Alvares, L. Pagani, M. Klešnik, K. Nadrah, S. Uhan, M. Hafner Fink, D. Nathwani
- P1117** **Contrasts and contradictions in antibiotic decision making on medical and surgical ward rounds – a qualitative study**  
E. Charani\* (London, United Kingdom), C. Tarrant, N. Sevdalis, R. Ahmad, A. Holmes
- P1118** **What are the key elements of an antimicrobial stewardship programme? Results of a global survey**  
E. Charani\* (London, United Kingdom), E. Castro Sanchez, S. Bradley, D. Nathwani, A. Holmes, P. Davey
- P1119** **Who is responsible for antimicrobial management of the post-operative surgical patient? An ethnographic study**  
E. Charani\* (London, United Kingdom), C. Tarrant, K. Moorthy, N. Sevdalis, S. Moonesinghe, A. Holmes
- P1120** **Practices, organization and legal responsibility in advising on antibiotic prescription: the international ESGAP AntibioLegalMap survey**  
G. Tebano\* (Nancy, France), B. Beovic, G. Beraud, O. Dyar, N. Thilly, C. Pulcini

- P1121** **Defensive medicine in antibiotic prescribing among specialists in infectious diseases and clinical microbiology: the international ESGAP AntibioLegalMap survey**  
G. Tebano\* (Nancy, France), B. Beovic, G. Beraud, O. Dyar, N. Thilly, C. Pulcini
- P1122** **Healthcare students and Antibiotic Awareness Week: a cross-sectional survey in the UK**  
O. Dyar\* (Stockholm, Sweden), L. Seitz, A. Perry, H. Hills, D. Ashiru-Oredope
- P1123** **PREPARE-VET – Towards a comprehensive education and training of European veterinary students in antimicrobial stewardship**  
C. Espinosa-Gongora\* (Frederiksberg, Denmark), O. Dyar, B. Beovic, A. Bousquet-Melou, B. Gonzalez-Zorn, L. Jessen, W. Kern, P. Nebbia, R. Odore, C. Pulcini, G. Re, S. Sacristán, S. Schwarz, D. Timofte, P. Toutain, L. Guardabassi
- P1124** **Barriers and facilitators of responsible systemic antibiotic use from the patient's perspective: a systematic review**  
V. Zanichelli\* (Geneva, Switzerland), G. Tebano, I. Gyssens, C. Pulcini, V. Vlahović-Palčevski, A. Monnier, M. Stanic, S. Harbarth, M. Hulscher, B. Huttner
- P1125** **Views and experiences of currently or recently hospitalized patients in four European countries with regard to barriers and facilitators to responsible antibiotic use: a qualitative descriptive study**  
V. Zanichelli\* (Geneva, Switzerland), A. Monnier, G. Tebano, M. Stanic, I. Gyssens, C. Pulcini, V. Vlahović-Palčevski, S. Harbarth, M. Hulscher, B. Huttner
- P1126** **Assessing clinicians' awareness of antimicrobial resistance and antibiotic use: a baseline questionnaire for targeting antimicrobial stewardship interventions**  
D. Mangioni\* (Brescia, Italy), R. Stellini, L. Signorini, G. Parainfo, G. Moiola, E. Van Hauwermeiren, E. Chiari, M. Pavesi, D. Pezzola, F. Donato, F. Castelli
- P1127** **Patient-centred interventions to promote citizen engagement with infection-related decision making**  
T. Rawson\* (London, United Kingdom), B. Hernandez, L. Moore, E. Castro Sanchez, E. Charani, P. Georgiou, R. Ahmad, A. Holmes
- P1128** **Mapping decision pathways for acute infection management in UK secondary care: a qualitative study**  
T. Rawson\* (London, United Kingdom), E. Charani, L. Moore, B. Hernandez, E. Castro Sanchez, P. Herrero, P. Georgiou, A. Holmes

- P1129** **Qualitative approach to describe antimicrobial stewardship programmes in France**  
A. Perozziello\* (Paris, France), C. Routelous, X. Lescure, Y. Yazdanpanah, J. Lucet
- P1130** **Expert elicitation: appropriateness of antibiotic prescribing in English primary care**  
T. Smieszek\* (London, United Kingdom), D. Smith, K. Pouwels, C. Dolk, J. Robotham
- P1131** **Quantifying antibiotic use and prescribing rates by condition in English primary care**  
T. Smieszek\* (London, United Kingdom), C. Dolk, K. Pouwels, D. Smith, J. Robotham
- P1132** **Assessing education and training antimicrobial stewardship needs of hospital healthcare professionals: What do they really want?**  
D. Enoch\* (Cambridge, United Kingdom), C. Micallef, S. Aliyu, R. Santos, H. Yang, F. Cooke, M. Leamon
- P1133** **AB-DURATION: an international survey among antimicrobial stewards on durations of antibiotic treatment**  
G. Macheda\* (Nancy, France), D. Dyar, B. Beovic, G. Beraud, B. Castan, R. Gauzit, P. Lesprit, P. Tattevin, N. Thilly, C. Pulcini
- P1134** **What do physicians, veterinarians, farmers and the general population believe and know about antimicrobial resistance in Germany?**  
F. Salm\* (Berlin, Germany), S. Schneider, S. Vincze, A. Moeser, I. Petruschke, K. Schmücker, L. Klimmek, R. Hanke, A. Lübke-Becker, L. Wieler, S. Hagel, M. Pletz, J. Gensichen, P. Gastmeier
- P1135** **Knowledge of French healthcare workers about antimicrobial resistance: a nationwide multicentre cross-sectional survey**  
L. Vaillant\* (Paris, France), G. Birgand, M. Esposito-Farese, J. Zahar, P. Astagneau, C. Pulcini, J. Robert, E. Sales-Wuillemin, F. Tubach, J. Lucet
- P1136** **Determinants influencing prescription of antimicrobials by Dutch companion animal veterinarians: a qualitative study.**  
N. Hopman\* (Utrecht, Netherlands), M. Hulscher, H. Graveland, D. Speksnijder, J. Wagenaar, E. Broens
- P1137** **Understanding factors influencing prescribing behaviour and antimicrobial stewardship interventions: a systems thinking approach**  
Z. Nina Jiayue\* (London, United Kingdom), R. Ahmad, J. Robotham, R. Atun
- P1138** **South African medical students' perceptions and knowledge about antibiotic resistance and appropriate prescribing: are we providing adequate training to future prescribers?**  
S. Wasserman\* (Cape Town, South Africa), S. Potgieter, E. Shoul, D. Constant, W. Msemburi, A. Stewart, M. Mendelson, T. Boyles
- P1139** **Students as a target group of public information campaign aimed at combatting antibiotic misuse**  
S. Rachina\* (Moscow, Russian Federation), P. Zakharenkova, R. Kozlov, I. Zaharenkov
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- P051** **12:30 – 13:30**  
**Outpatient antibiotic prescription measurement and surveys**
- P1140** **Analysis of the changes in antibiotic use in the community in Belgium between 2004 and 2012: comparison between DDDs and prescription numbers, position of the fluoroquinolones, and impact of public campaigns**  
P. Tulkens\* (Brussels, Belgium), G. Moreau, M. Boutsen
- P1141** **Investigating antimicrobial prescribing patterns prior to CDI using data linkage**  
C. Marwick\* (Dundee, United Kingdom), J. Pan, K. Kavanagh, C. Wiuff, P. Davey, S. Bryson, C. Robertson, M. Bennie
- P1142** **Unplanned 30-day hospital readmission of patients receiving outpatient parenteral antimicrobial therapy**  
A. Vivero Larraza\* (Barcelona, Spain), N. Sopena, M. Pedro-Botet, M. Bonet, E. de Felipe, H. Manjon, G. Bonet
- P1143** **Appropriate measures for outpatient antibiotic use in Europe**  
R. Bruyndonckx\* (Antwerp, Belgium), N. Hens, M. Aerts, A. Versporten, S. Coenen, H. Goossens
- P1144** **Prophylactic antimicrobial use in long-term care facilities in Ireland (HALT 2013)**  
M. Tandan\* (Galway, Ireland), R. Connor, K. Burns, F. Roche, S. Donlon, M. Cormican, A. Vellinga
- P1145** **Clinical prediction tool for 30-day hospital readmissions among patients discharged in home outpatient parenteral antimicrobial therapy.**  
I. Bengoetxea\* (Igorre, Spain), A. Apezetxea, D. de Damborenea, E. Altuna, C. Garde, M. Onaindia, M. Fernandez Martinez de Mardojana, J. Quintana Lopez, U. Aguirre Larracoechea, M. Berroete, M. Millet



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| <b>P052</b>                                                        | <b>12:30 – 13:30</b>                                                                                                                                                                                                                                                                                                                                                               |
| <b>Computerized decision support systems as a stewardship tool</b> |                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>P1146</b>                                                       | <b>A formal antimicrobial stewardship intervention programme targeting carbapenem-resistant <i>Klebsiella pneumoniae</i> (CRKP) bacteraemia improved mortality, shortened lengths of stay, and reduced costs over a three-year period</b><br><i>C. Clancy* (Pittsburgh, United States), B. Potoski, R. Shields, M. Nguyen</i>                                                      |
| <b>P1147</b>                                                       | <b>Prediction of non-susceptibility to extended-spectrum cephalosporin and carbapenem for hospital-onset <i>Klebsiella</i> spp. bloodstream infection: a supervised machine-learning approach in US Veterans Health Administration hospitals</b><br><i>M. Goto* (Iowa City, United States), D. Livorsi, M. Jones, M. Ohi, K. Richardson, B. Beck, B. Alexander, E. Perencevich</i> |
| <b>P1148</b>                                                       | <b>Implementation of antimicrobial stewardship using an IT-based decision support system</b><br><i>L. Ward* (Aalborg, Denmark), L. Leibovici, S. Andreassen</i>                                                                                                                                                                                                                    |
| <b>P1149</b>                                                       | <b>Opportunities for improving antimicrobial therapy via a clinical support system compared to prospective review and feedback</b><br><i>D. Lye* (Singapore, Singapore), T. Ng, S. Heng, M. Tan, B. Young</i>                                                                                                                                                                      |
| <b>P1150</b>                                                       | <b>A retrospective study of the performance of decision support for empirical antibiotic therapy</b><br><i>S. Andreassen* (Aalborg, Denmark), M. Paul, L. Leibovici</i>                                                                                                                                                                                                            |
| <b>P1151</b>                                                       | <b>Annual antimicrobial point prevalence survey of hospital prescriptions in Ireland 2016</b><br><i>D. Hogan-Murphy* (Galway, Ireland), M. Philbin, A. Oza, R. Cunney</i>                                                                                                                                                                                                          |
| <b>P1152</b>                                                       | <b>Clinical decision support systems for antimicrobial management: a systematic review of interventions in primary and secondary care</b><br><i>T. Rawson* (London, United Kingdom), L. Moore, B. Hernandez, E. Charani, E. Castro Sanchez, P. Herrero, B. Hayhoe, W. Hope, P. Georgiou, A. Holmes</i>                                                                             |
| <b>P1153</b>                                                       | <b>A clinical decision support system (CDSS) increases intravenous to oral switch therapy</b><br><i>H. Akhloufi* (Rotterdam, Netherlands), V. Heleen, C. Van der Hoeven, D. Melles, A. Verbon</i>                                                                                                                                                                                  |
| <b>P1154</b>                                                       | <b>Improving antimicrobial use – what if I told you there's an app for that?</b><br><i>L. Gaughan* (Dublin, Ireland), T. Cloney, H. Humphreys, K. O'Connell, L. Rajan, E. Smyth, K. Burns, F. Fitzpatrick</i>                                                                                                                                                                      |

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| <b>P1155</b> | <b>Acceptance and outcomes of broad-spectrum antibiotic treatment recommendations by a clinical decision support system: prospective review and feedback</b><br><i>T. Ng* (Singapore, Singapore), S. Heng, M. Tan, B. Young, D. Lye</i>               |
| <b>P1156</b> | <b>Computerized authorization form, a simple way to dramatically improve an antibiotic stewardship programme</b><br><i>L. Neshet* (Beer Sheva, Israel), Y. Weiss, A. Borer, G. Ifergane, K. Rolston, K. Riesenberg</i>                                |
| <b>P1157</b> | <b>Mapping antibiotic prescription with clinical information systems: moving from quantitative to qualitative analysis</b><br><i>A. Redor* (Montpellier, France), A. Makinson, M. Villiet, R. Ologeanu-Taddei, V. Le Moing, J. Reynes, D. Morquin</i> |
| <b>P1158</b> | <b>An informatics approach to monitor the coverage of antibiotic regimens using open-source software</b><br><i>V. Holten* (Aalborg, Denmark), H. Schonheyder</i>                                                                                      |
| <b>P1159</b> | <b>Evaluating the impact of clinical decision support systems for antimicrobial stewardship: ICNET</b><br><i>K. Heard* (London, United Kingdom), S. Hughes, B. Azadian, N. Mughal, L. Moore</i>                                                       |
| <b>P1160</b> | <b>The integrated effect of an electronic antimicrobial restriction policy and protocol-driven treatment for MDR</b><br><i>T. Ballouz* (Beirut, Lebanon), E. Azar, C. Afif, Z. Daoud, N. Diab, J. Aridi, C. Mollaei, R. Semaan, C. Lakis</i>          |
| <b>P1161</b> | <b>Antibiotic stewardship: impact of an e-health based solution</b><br><i>C. Palos* (Loures, Portugal), P. Rodrigues, L. França</i>                                                                                                                   |
| <b>P1162</b> | <b>Evaluation of the quality of antimicrobial prescriptions using an innovative stewardship tool</b><br><i>C. Palos* (Loures, Portugal), M. Capoulas, T. Lobo, P. Cardoso, E. Marques, C. Santos</i>                                                  |

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| <b>P053</b>                                                      | <b>12:30 – 13:30</b>                                                                                                                                                                                                                                      |
| <b>Hospital antibiotic prescription measurements and surveys</b> |                                                                                                                                                                                                                                                           |
| <b>P1163</b>                                                     | <b>The global point prevalence survey of antimicrobial consumption and resistance (Global-PPS): characteristics of antimicrobial prescribing in cancer patients</b><br><i>N. Sekiya* (Tokyo, Japan), M. Heuvelmans, Y. Gu, A. Versporten, H. Goossens</i> |

- P1164** The 2015 global point-prevalence survey of antimicrobial consumption and resistance (Global-PPS) in 335 hospitals worldwide: usefulness of survey data in the evaluation and management of sepsis  
A. Versporten\* (Antwerp, Belgium), P. Zarb, I. Caniaux, M. Gros, M. Miller, D. Nathwani, H. Goossens
- P1165** Impact of different dose definitions for pharmacy-based hospital antibiotic use surveillance – a prospective multicentre study  
G. Foerst\* (Freiburg, Germany), K. De With, N. Weber, J. Borde, C. Querbach, J. Kleideiter, C. Seifert, S. Hagel, A. Ambrosch, M. Loebermann, P. Schröder, M. Steib-Bauert, W. Kern
- P1166** Recent patterns of antibiotic use in 150 acute care hospitals in Germany – no correlation of drug-use density with hospital size  
K. De With\* (Dresden, Germany), A. Christoph, G. Foerst, M. Steib-Bauert, M. Fellhauer, W. Kern
- P1167** Reported and actual performance of appropriate antibiotic use in the hospital  
F. Van Daalen\* (Amsterdam, Netherlands), S. Geerlings, C. Minderhoud, J. Prins, M. Hulscher
- P1168** Widespread increase of empiric carbapenem use in acute care hospitals in Catalonia, Spain  
S. Grau\* (Barcelona, Spain), E. Fondevilla, A. Alcorta, D. Echeverria, E. Limón, F. Gudiol,
- P1169** Antibiotic prescribing in acute medical and surgical ward rounds – a prospective cohort study  
E. Charani\* (London, United Kingdom), E. De Barra, M. Gharbi, M. Gilchrist, A. Holmes
- P1170** Comparison of various surveillance methods of antimicrobial consumption for University Medical Centre Ljubljana, Slovenia  
R. Mojca\* (Ljubljana, Slovenia), M. Cizman, T. Lejko Zupanc, N. Šoštarič, B. Beovic
- P1171** Antibiotics associated with *C. difficile* post-restrictive prescribing guidelines  
D. Pillay\* (Birmingham, United Kingdom), R. Bhogal, A. Hussain
- P1172** Evaluation of carbapenems and MRSA-active antibiotic prescription by non-infectious diseases specialists: comparison of two hospitals in northern Italy with and without an infectious diseases unit  
A. Cona\* (Milan, Italy), L. Gazzola, G. Marchetti, C. Aldieri, N. Iannotti, T. Bini, A. d'Arminio Monforte
- P1173** A four-year analysis of antimicrobial prescribing and incidence of multidrug-resistant Enterobacteriaceae in a tertiary-care hospital in Serbia  
V. Živanović\* (Belgrade, Serbia), L. Gojkovic-Bukarica, R. Šćepanović, V. Djokić, T. Vitorović, N. Milanov, B. Carević, J. Trajkovic, Z. Bukumirić
- P1174** Development of a near real-time national antimicrobial consumption tool to support the antibacterial reduction targets in England  
P. Howard\* (Leeds, United Kingdom), C. Richman
- P1175** Global Antimicrobial Resistance, Prescribing, and Efficacy in Neonates and Children (GARPEC) project: low adherence to WHO recommendations for neonatal sepsis treatment in developing countries  
Y. Hsia\* (London, United Kingdom), J. Bielicki, A. Whitelaw, T. Zaoutis, R. Lundin, P. Heath, M. Sharland
- P1176** Global Antimicrobial Resistance, Prescribing, and Efficacy in Neonates and Children (GARPEC) project: a low proportion of lower respiratory tract infections in children are being treated by the 2014 WHO recommendations  
Y. Hsia\* (London, United Kingdom), J. Bielicki, A. Whitelaw, T. Zaoutis, R. Lundin, M. Sharland
- P1177** Are shorter antibiotic courses associated with increased risk of readmission in acute/general medicine inpatients?  
E. Budgell\* (Oxford, United Kingdom), T. Davies, M. Llewellyn, D. Wyllie, T. Peto, M. Gill, A. Walker
- P1178** Description and evaluation of quality indicators of antimicrobial prescriptions from 2012 to 2016 in a tertiary care hospital using point prevalence surveys  
J. Giron Ortega\* (Seville, Spain), S. Pérez Galera, M. Nunez, S. Sandoval, M. de Cueto, P. Terol, J. Sojo Dorado, A. Valiente-Mendez, J. Rodríguez-Baño, P. Retamar Gentil

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**P054 12:30 – 13:30**
**PK/PD studies in humans**

- P1179** Population pharmacokinetics, Monte Carlo simulations and dose adjustment of tazobactam including in the renally impaired  
J. Mouton\* (Rotterdam, Netherlands), A. Muller, M. Patel, S. Bhagwat

- P1180** **Standard drug regimens of meropenem are sufficient to treat difficult-to-treat pathogens in obese, non-critically ill patients**  
M. Hites\* (Brussels, Belgium), F. Wolff, P. Jessica, F. Cotton, F. Jacobs
- P1181** **Penetration of piperacillin into brain interstitial space fluid measured by *in vivo* microdialysis in neurocritical care patients**  
R. Beer\* (Innsbruck, Austria), M. Zeitlinger, F. Kees, A. Kratzer, A. Schieffeler, M. Kofler, B. Pfäusler, E. Schmutzhard, R. Helbok
- P1182** **Identification of vancomycin area under the curve exposure-toxicity thresholds in hospitalized patients**  
E. Zasowski\* (Detroit, United States), K. Murray, T. Trinh, N. Finch, J. Pogue, R. Mynatt, M. Rybak
- P1183** **Piperacillin pharmacokinetics in septic patients – does standard dosing result in therapeutic plasma concentrations?**  
K. Öbrink-Hansen\* (Aarhus, Denmark), M. Andersen, A. Thorsted, L. Friberg, M. Storgaard
- P1184** **Ceftaroline fosamil dose adjustments for paediatric patients aged two or more years with moderate and severe renal impairment**  
S. Das\* (Macclesfield, United Kingdom), T. Riccobene, T. Carrothers, T. Khariton, W. Knebel, P. Newell, D. Melnick, J. Bradley
- P1185** **Pharmacokinetic/pharmacodynamic validation of the ceftazidime-avibactam dose in patients with nosocomial pneumonia, including ventilator-associated pneumonia**  
S. Das\* (Macclesfield, United Kingdom), T. Riccobene, T. Carrothers, J. Wright, M. Macpherson, M. Lovern, J. Hing, Y. Xiong, A. Taylor, C. Comisar
- P1186** **Pharmacokinetic and pharmacodynamic evaluation of vancomycin for the prophylaxis of surgical site infections in morbidly obese patients**  
A. Farkas\* (Bloomington, United States), E. Sordillo, G. McKinley, A. Koo
- P1187** **Temocillin pharmacokinetics in healthy volunteers after intravenous and subcutaneous administration**  
P. Matzneller\* (Vienna, Austria), P. Ngougni Pokem, A. Capron, F. Van Bambeke, M. Zeitlinger
- P1188** **Design and interim evaluation of sparse sampling schedule for individual  $fT > MIC$  determination and population pharmacokinetic (popPK) modeling of piperacillin in children**  
A. Kristoffersson\* (Uppsala, Sweden), S. Frølich Maarbjerg, H. Schröder, L. Friberg
- P1189** **Impact of renal replacement modalities on the clearance of piperacillin-tazobactam administered via continuous infusion in critically ill patients**  
C. Roger\* (Nîmes, France), M. Cotta, L. Muller, S. Wallis, J. Lipman, J. Lefrant, J. Roberts
- P1190** **Optimizing intermittent vancomycin therapy using C-reactive protein: investigating the role for AUC:EC50 in secondary care**  
T. Rawson\* (London, United Kingdom), E. Charani, S. Chhabra, L. Moore, M. Gilchrist, P. Georgiou, W. Hope, A. Holmes
- P1191** **Target attainment of standard meropenem dosing in critically ill patients: high impact of renal function**  
I. Minichmayr\* (Berlin, Germany), L. Ehmann, M. Zoller, C. Scharf, M. Vogeser, L. Frey, J. Zander, C. Klotz
- P1192** **Outcomes of vancomycin guideline-recommended dosing in outpatients undergoing haemodialysis, a retrospective analysis**  
G. Islam\* (Philadelphia, United States), M. El-Masri, D. Soong, A. Kadri, W. El Nekidy
- P1193** **Development and external evaluation of a population pharmacokinetic model for vancomycin in neonates using prospectively collected data**  
E. Germovsek\* (Uppsala, Sweden), L. Osborne, S. Lounis, F. Gunaratnam, F. Bossacoma Busquets, J. Standing, A. Sinha
- P1194** **Pharmacokinetics of piperacillin in patients with haematological malignancies: population analysis and Monte Carlo simulation of short versus prolonged infusion**  
S. Goutelle\* (Lyon, France), N. Benech, O. Dumitrescu, M. Balsat, E. Paubelle, C. Lejeune, S. Ducastelle-Lepretre, H. Labussière-Wallet, F. Baracco, F. Nicolini, X. Thomas, G. Salles, M. Michallet, S. Cohen, F. Ader
- P1195** **Population pharmacokinetics of teicoplanin administered in adults by subcutaneous or intravenous route and simulation of optimal loading dose regimen**  
S. Goutelle\* (Lyon, France), Y. Cazaubon, N. Venisse, O. Mimoz, M. Ducher, P. Maire, L. Bourguignon
- P1196** **Pharmacokinetics of clavulanic acid including a population analysis approach**  
J. Mouton\* (Rotterdam, Netherlands), F. de Velde, B. de Winter, B. Koch, T. Van Gelder

- P1197** Lung tissue concentrations of moxifloxacin in patients with drug-resistant tuberculosis  
T. Heinrichs\* (Gainesville, United States), S. Vashakidze, K. Nikolaishvili, I. Sabulua, N. Tukvadze, N. Bablishvili, S. Gogishvili, B. Little, A. Bernheim, J. Guarner, H. Blumberg, C. Peloquin, R. Kempker, H. Derendorf
- P1198** Target attainment analysis and optimal dosing of amikacin in respiratory critical ill patients with various renal functions  
C. Riff\* (Limoges, France), R. Guilhaumou, S. Hraiech, O. Blin, P. Marquet, J. Woillard
- P1199** Pharmacokinetics of single-dose prophylactic gentamicin during cardiac surgery  
R. Serafino Wani\* (London, United Kingdom), A. Harky, B. Cherian, S. Das, A. Smith, A. Shipolini
- P1200** Protein binding of moxifloxacin in septic patients and variation of protein binding *in vitro* by artificial alteration  
C. Dorn\* (Regensburg, Germany), H. Nowak, C. Weidemann, S. Martini, Z. Oesterreicher, M. Zeitlinger, M. Adamzik, F. Kees
- P1205** Mitigating resistance development for new antibiotic combinations: post-exposure resistance to tigecycline may be increased in combination with tetracycline  
A. Deitchman\* (Gainesville, United States), T. Nishimoto, K. Tessnow, R. Singh, H. Derendorf
- P1206** Levofloxacin in resistant *Escherichia coli*: is there a difference between 750 mg once a day and 500 mg twice a day?  
E. Göbgen\* (Berlin, Germany), J. Seeger, A. Schaeftlein, C. Kloft
- P1207** Development and validation of a novel *in vitro* bladder infection model simulating urinary fosfomycin pharmacokinetics  
I. Abbott\* (Melbourne, Australia), L. Kanioura, J. Roberts, A. Peleg, J. Meletiadis, J. Mouton
- P1208** PK/PD study of vancomycin and amikacin alone or in combination on a mature *S. aureus* biofilm in an *in vitro* dynamic model  
D. Broussou\* (Toulouse, France), P. Toutain, F. El Garch, F. Woehrle, A. Bousquet-Melou, A. Ferran
- P1209** Utility of the serum bactericidal titre assay for monitoring antimicrobial therapy of carbapenem-resistant *Klebsiella pneumoniae*  
M. Giannella\* (Bologna, Italy), C. Campoli, P. Gaibani, M. Conti, S. Tedeschi, M. Bartoletti, F. Cristini, F. Tumietto, P. Viale, R. Lewis
- P1210** Evaluation of mutant prevention concentration (MPC) and mutant selection window (MSW) of fosfomycin trometamol (FT) against Gram-negative uropathogens in an *in vitro* dynamic model  
E. Rosi\* (Florence, Italy), A. Novelli, S. Fallani, M. Cassetta
- P1211** *In vivo* assessment of pharmacodynamic (PD) effects of fosfomycin trometamol (FT) on beta-lactamase producing Gram-negative uropathogens  
E. Rosi\* (Florence, Italy), A. Novelli, S. Fallani, M. Cassetta, L. Tofani
- P1212** *In vitro* biopharmaceutical characterization of chloramphenicol and thiamphenicol for pulmonary delivery  
S. Nurbaeti\* (Poitiers, France), P. Gobin, J. Olivier, J. Brillault
- P1213** Compatibility of fosfomycin with different commercial peritoneal dialysis solutions  
M. Kussmann\* (Vienna, Austria), A. Baumann, S. Hauer, P. Pichler, M. Zeitlinger, M. Wiesholzer, H. Burgmann, G. Reznicek, W. Poepfl
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- P055** 12:30 – 13:30  
PK/PD in preclinical models
- P1201** *In vitro* pharmacodynamics of ceftibiprole against *Staphylococcus aureus* at concentrations corresponding to free drug levels achieved in human serum  
M. Kresken\* (Rheinbach, Germany), B. Körber-Irrgang
- P1202** Impact of urine and urinary pH levels on pharmacodynamics of nitrofurantoin  
F. Fransen\* (Nijmegen, Netherlands), C. Lagarde, M. Melchers, J. Meletiadis, J. Mouton
- P1203** The rationale for use of linezolid (L) and rifampicin (R) combinations to prevent selection of resistant *Staphylococcus aureus* mutants: multiple-dose simulation using an *in vitro* dynamic model  
A. Firsov\* (Moscow, Russian Federation), M. Golikova, E. Strukova, Y. Portnoy, S. Zinner
- P1204** Concentration-resistance relationships with *Staphylococcus aureus* exposed to linezolid in an *in vitro* dynamic model  
A. Firsov\* (Moscow, Russian Federation), K. Alieva, E. Strukova, M. Golikova, Y. Portnoy, S. Zinner

**P1214** **Microdialysis study distribution of aztreonam and avibactam in skeletal muscle and intraperitoneal fluid of rats with and without experimental peritonitis**  
*A. Chauzy\* (Poitiers, France), N. Gregoire, I. Lamarche, P. Gobin, W. Couet, S. Marchand*

**P056 12:30 – 13:30**

# **Antibiotic stewardship interventions**

**P1215** **Procalcitonin to individualize antibiotic therapy duration for pneumonia in very old hospitalized patients**  
*G. Gavazzi\* (Grenoble, France), M. Debray, B. de Wazieres, M. Paccalin, J. Bosson, M. Bonnefoy, T. Celarier, F. Tidadini, S. Drevet*

**P1216** **Evaluation of an antimicrobial stewardship intervention on broad-spectrum antimicrobials based on the selection of candidates by pharmacist and audit with non-compulsory advice by an infectious disease physician**  
*M. Nunez\* (Seville, Spain), R. Duro, M. Macías, J. Giron Ortega, S. Pérez-Galera, J. Bravo-Ferrer Acosta, M. Beltran, S. Sandoval, M. de Cueto, A. Suárez, J. Rodríguez-Baño, P. Retamar Gentil*

**P1217** **Can quality payments reduce antimicrobial consumption in secondary care?**  
*L. Whitney\* (London, United Kingdom)*

**P1218** **Correlation between decrease in ciprofloxacin-resistance in blood culture *E. coli* and decreased use of ciprofloxacin, in spite of generally high consumption of other broad-spectrum antibiotics, in a tertiary referral hospital**  
*F. Hertz\* (Frederiksberg, Denmark), N. Frimodt-Moller*

**P1219** **A multimodal non-restrictive approach to improve antimicrobial use in an intensive care unit**  
*E. Shaw Perujo\* (Barcelona, Spain), A. Padulles, R. Granada, S. Cobo, R. Mañez, F. Tubau, J. Herrero, L. Corral, H. Torrado, E. Santafosta, R. Jodar, M. Pujol, J. Carratalà*

**P1220** **Impact of antimicrobial consumption on the incidence of nosocomial candidaemia in an Italian tertiary care hospital**  
*A. Bedini\* (Modena, Italy), C. Puzzolante, E. Franceschini, M. Meschiari, C. Venturelli, S. Zona, M. Codeluppi, M. Menozzi, G. Orlando, M. Mancini, S. Paioli, C. Mussini*

**P1221** **The economic evaluation of an antimicrobial stewardship intervention: implementing an antibiotic checklist**  
*F. Van Daalen\* (Amsterdam, Netherlands), B. Opmeer, J. Prins, S. Geerlings, M. Hulscher*

**P1222** **Impact of an antimicrobial stewardship programme to optimize antimicrobial use for outpatients at an emergency department**  
*A. Dinh\* (Garches, France), F. Bouchand, B. Davido, C. Duran, L. Deconinck, M. Matt, C. Guyot, A. Levasseur, J. Attal-Behar, D. Razazi, S. Beaune, J. Salomon, J. Grenet*

**P1223** **Antimicrobial stewardship in a Greek tertiary hospital: is there any hope to reduce Gram-negative multidrug-resistance?**  
*A. Makina\* (Athens, Greece), L. Sybardi, N. Alexiou, N. Charalampakis, A. Karaïskou, A. Arvaniti, A. Papadopoulos, M. Souli, E. Trikkas-Graphakos, H. Giamarellou*

**P1224** **A quasi-experimental study of individual feedback to reduce inappropriate antimicrobial prescriptions for treating acute respiratory tract infections**  
*R. Pinyo\* (Bangkok, Thailand), N. Chuenchom, V. Thamlikitkul*

**P1225** **What do we need to reduce CDAD incidences?**  
*A. Friedrichs\* (Kiel, Germany), E. Kramme, H. Strobel, S. Eisend, B. Steinborn, K. Dalhoff, J. Rupp, B. Christiansen, H. Fickenscher, R. Vonthein, J. Thern*

**P1226** **Early antimicrobial de-escalation and stewardship in adult haematopoietic stem cell transplantation recipients**  
*M. Snyder\* (Tampa, United States), Y. Pasikhova, A. Baluch*

**P1227** **Effect of de-escalation and discontinuation strategies in high-risk neutropenic patients: an interrupted time series analysis of antimicrobial consumption and impact on outcome**  
*G. la Martire\* (Créteil, France), C. Robin, R. Lepeule, N. Oubaya, F. Beckerich, M. Leclerc, W. Barhoumi, C. Cordonnier Jourdin, V. Fihman, C. Cordonnier*

**P1228** **Impact of pharmacist-emitted alerts for antibiotic treatment durations longer than 7 days in a university hospital**  
*A. Dinh\* (Garches, France), F. Bouchand, B. Davido, C. Leplay, M. Matt, C. Lawrence, B. Clair, T. Lansaman, V. Maryvonne, C. Perronne, J. Salomon*



- P1229** Evaluation of the impact of antimicrobial stewardship programme (ASP) at a large district hospital in the UK: implementation of ASP recommendations, clinical outcomes and unintended adverse consequences  
H. Kandil\* (Watford, United Kingdom), R. El-Hamad, T. Vaghela
- P1230** Procalcitonin can be useful to choose the antibiotic therapy in patients with bloodstream infections  
R. Murri\* (Rome, Italy), I. Mastrorosa, F. Giovannenze, F. Taccari, S. Baroni, P. Claudia, G. Scoppettuolo, G. Ventura, M. Fantoni
- P1231** Impact on the consumption of quinolones and carbapenems  
R. Miranda Pedro\* (Barreiro, Portugal), A. Guimarães
- P1232** Effect of changes in national antimicrobial use on Gram-negative resistance  
W. Malcolm\* (Glasgow, United Kingdom), C. Marwick, G. McGivern, J. Armstrong, K. Kavanagh, N. Reid, A. MacDonald, M. Bennie
- P1233** Pharmacy-led vs. multi-disciplinary antimicrobial stewardship rounds at a London teaching hospital  
G. Muqbill\* (London, United Kingdom)
- P1238** Virulence factors and genetic lineages of *Pseudomonas aeruginosa* isolates from lower tract respiratory samples  
C. Seral\* (Zaragoza, Spain), A. Bellés Bellés, J. Bueno Sancho, Y. Saenz, B. Rojo-Bezares, J. Arribas Garcia, L. Muñoz Muñoz, F. Castillo
- P1239** Increasing prevalence and clinical features of carbapenem heteroresistance among *Pseudomonas aeruginosa* clinical isolates in Chongqing, south-west China from 2011 to 2015: a focus on carbapenem use  
L. Zhang\* (Chongqing, China), X. Xu, Y. Shuangshuang, K. Sun
- P1240** Antibiotic susceptibility of *Burkholderia cepacia* complex in clinical isolates from cystic fibrosis (CF) patients  
I. Wybo\* (Brussels, Belgium), M. Herpol, F. Echahidi, C. Peeters, P. Vandamme, D. Pierard
- P1241** Carbapenem-resistant respiratory-tract isolates of *P. aeruginosa* in Europe: comparative anti-bacterial activity (TEST 2013–2016)  
B. Johnson\* (Schaumburg, United States), D. Hoban, D. Sahm, M. Renteria, H. Leister-Tebbe
- P1242** Global perspective on imipenem non-susceptible *Pseudomonas aeruginosa* isolates collected as part of the SMART surveillance programme, 2015  
K. Kazmierczak\* (Schaumburg, United States), M. Wise, V. Di Lorenzo, M. Hackel, S. Magnet, K. Young, M. Motyl, S. Hawser, D. Sahm
- P1243** *In vitro* activity of ceftolozane/tazobactam against imipenem- and/or ceftazidime-resistant *Pseudomonas aeruginosa* strains collected in France  
D. Fournier\* (Besançon, France), E. Grisot, A. Potron, E. Liapis, K. Jeannot, P. Plésiat
- P1244** Antimicrobial activity of ceftolozane/tazobactam against multidrug-resistant and extremely drug-resistant *Pseudomonas aeruginosa* clinical isolates  
A. López-Calleja\* (Zaragoza, Spain), R. Núñez Medina, E. Morilla, M. Gómara, P. Pilar, M. Fernandez, A. Marcen, M. Capapé, A. Rezusta, M. Revilla
- P1245** Infection with a carbapenem-resistant *Pseudomonas putida* strain in neonatal reanimation  
E. Pauquet\* (Bordeaux, France), V. Dubois, P. Lehours, O. Brissaud, C. Andre, J. Sarlangue
- P1229** Evaluation of the impact of antimicrobial stewardship programme (ASP) at a large district hospital in the UK: implementation of ASP recommendations, clinical outcomes and unintended adverse consequences  
H. Kandil\* (Watford, United Kingdom), R. El-Hamad, T. Vaghela
- P1230** Procalcitonin can be useful to choose the antibiotic therapy in patients with bloodstream infections  
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W. Malcolm\* (Glasgow, United Kingdom), C. Marwick, G. McGivern, J. Armstrong, K. Kavanagh, N. Reid, A. MacDonald, M. Bennie
- P1233** Pharmacy-led vs. multi-disciplinary antimicrobial stewardship rounds at a London teaching hospital  
G. Muqbill\* (London, United Kingdom)
- P057** 12:30 – 13:30  
Focus *Pseudomonas aeruginosa* and novel agents against non-fermenters
- P1234** Activity of ceftolozane-tazobactam against problem non-fermenters sent to the UK reference laboratory – a year's experience  
D. Livermore\* (Norwich, United Kingdom), R. Hill, R. Pike, K. Hopkins, D. Meunier, P. Staves, N. Woodford
- P1235** *In vitro* activity of ceftolozane-tazobactam against *Pseudomonas aeruginosa* isolates non-susceptible to ceftazidime or meropenem  
M. Kresken\* (Rheinbach, Germany), B. Körber-Irrgang, H. Seifert
- P1236** Susceptibility of MDR/XDR *Pseudomonas aeruginosa* to ceftolozane-tazobactam, Germany, 2013–2014  
F. Schaumburg\* (Münster, Germany), S. Bletz, A. Mellmann, K. Becker, E. Idelevich
- P1237** Analysis of activities of piperacillin-tazobactam and comparators against *Pseudomonas aeruginosa* from Europe: TEST data 2013–2016  
D. Sahm\* (Schaumburg, United States), D. Hoban, M. Renteria, B. Johnson, M. Hackel, H. Leister-Tebbe

**P1246** Antimicrobial activity of cefotazone/tazobactam tested against contemporary (2014–2016) *P. aeruginosa* isolates from hospitalized patients with bloodstream infections and pneumonia in European medical centres

D. Shortridge\* (North Liberty, United States), M. Castanheira, H. Sader, J. Streit, R. Mendes, R. Flamm

**P1247** Multidrug-resistant *P. aeruginosa* gained resistance to anti-virulence drug treatment  
Y. Ding\* (Singapore, Singapore), J. Teo, L. Yang

**P1248** Prevalence of carbapenemase-producing *Pseudomonas aeruginosa* circulating in Pretoria, South Africa  
M. Ehlers\* (Pretoria, South Africa), K. Moloto, J. Pitout, F. Ismail, M. Kock

**P1249** The emergence of *Pseudomonas aeruginosa* resistance in patients with imipenem therapeutic drug monitoring  
L. Lenggenhager\* (Geneva, Switzerland), M. Abbas, C. Fankhauser, B. Huttner, S. Harbarth, A. Huttner

**P1250** Prevalence of multidrug-resistant *Pseudomonas aeruginosa* (MDR-PSA) by ICU status and setting in USA hospitals in 2015–2016: a multicentre study  
C. DeRyke\* (Kenilworth, United States), S. Merchant, L. Puzniak, J. Murray, J. Till, J. Hawkshead, V. Gupta

**P1251** *Pseudomonas aeruginosa* non-susceptibility to common antibiotics in the ICU and non-ICU settings in USA hospitals in 2015–2016: a multicentre study  
S. Merchant\* (Kenilworth, United States), C. DeRyke, D. DePestel, J. Till, J. Murray, L. Puzniak, V. Gupta

P058 12:30 – 13:30  
New data on new tetracyclines

**P1252** Efficacy of oral and IV omadacycline vs. linezolid for treating adult subjects with ABSSSI: Analysis by infection type and pathogen in the OASIS study  
W. O'Riordan\* (San Diego, United States), S. Green, J. Overcash, P. Eckburg, J. Steenbergen, A. Das, E. Tzanis, L. Garrity-Ryan, A. Manley, S. Villano, E. Loh

**P1253** *In vitro* activity of omadacycline and comparators against Gram-negative bacterial isolates collected from patients in European medical centres (2016): results from the SENTRY antimicrobial surveillance programme  
M. Huband\* (North Liberty, United States), P. Rhomberg, H. Sader, J. Schuchert, R. Flamm

**P1254** *In vitro* extracellular and intracellular activity of omadacycline against *Staphylococcus aureus*  
J. Dubois\* (Sherbrooke, Canada), M. Dubois, J. Martel, J. Steenbergen

**P1255** Efficacy of omadacycline versus linezolid in treating ABSSSI patients from different geographic regions (OASIS trial)  
E. Loh\* (Boston, United States), W. O'Riordan, S. Green, J. Overcash, L. Garrity-Ryan, A. Das, E. Tzanis, P. Eckburg, A. Manley, M. Symeon, J. Gardovskis

**P1256** Effects of IV/oral omadacycline versus IV/oral linezolid on lesion size and local signs of ABSSSI in the phase 3 OASIS trial  
E. Loh\* (Boston, United States), J. Overcash, W. O'Riordan, S. Green, P. Eckburg, E. Tzanis, L. Garrity-Ryan, A. Manley, S. Villano

**P1257** Safety and tolerability of IV omadacycline (OMC) and tigecycline (TGC) in healthy subjects in a study to assess intra-pulmonary steady-state concentrations  
E. Loh\* (Boston, United States), M. Gotfried, J. Steenbergen, S. Villano, E. Tzanis, S. Chitra, A. Manley, K. Tanaka, K. Rodvold

**P1258** Comparative *in vitro* activity of eravacycline, a novel fluorocycline, against *mcr-1*-positive *Escherichia coli* and *Klebsiella pneumoniae*  
M. El-Bouseary\* (Cardiff, United Kingdom), J. Tyrrell, T. Walsh, M. Olesky

**P1259** Eravacycline, a novel fluorocycline, has antibacterial activity against carbapenem-resistant Enterobacteriaceae (CRE) and *Acinetobacter spp.* (CRA)  
M. El-Bouseary\* (Cardiff, United Kingdom), J. Tyrrell, T. Walsh, M. Olesky

**P1260** *In vitro* activity of eravacycline and comparators against *Acinetobacter baumannii*, *Stenotrophomonas maltophilia* and Enterobacteriaceae, including carbapenem-resistant and ESBL phenotype subgroups, collected from European hospitals in 2015  
S. Hawser\* (Monthey, Switzerland), I. Morrissey, M. Bassetti, S. Magnet, M. Olesky, C. Fyfe

**P1261** Antibacterial activity of eravacycline, a novel fluorocycline, compared to established antimicrobials, against contemporary clinical isolates from Tanta, Egypt  
M. El-Bouseary\* (Cardiff, United Kingdom), J. Tyrrell, T. Walsh, M. Olesky

- P1262** *In vitro* activity of omadacycline and comparators against staphylococci, streptococci and enterococci (including resistant organism subsets) from patients in European medical centres during 2016: results from the SENTRY antimicrobial surveillance programme  
M. Huband\* (North Liberty, United States), P. Rhomberg, H. Sader, J. Schuchert, R. Flamm
- P1263** The impact of non-standard test conditions on the *in vitro* activity of omadacycline by broth micro-dilution  
C. Pillar\* (Kalamazoo, United States), M. Thwaites, D. Shinabarger
- P1264** The *in vitro* activity of omadacycline and comparators against anaerobic bacteria  
C. Pillar\* (Kalamazoo, United States), L. Stapert, C. Wolfe, D. Shinabarger
- P1265** Economic impact of omadacycline among acute bacterial skin and skin structure infections (ABSSSIs) patients: cost-saving opportunities due to avoidable hospitalizations using an antibiotic with IV-to-oral switch capability  
K. LaPensee\* (King of Prussia, United States), T. Lodise
- P1266** Cost-saving opportunities among hospitalized patients with acute bacterial skin and skin structure infections with omadacycline, a once-daily antibiotic with IV-to-oral transition capability, relative to current standard of in-patient care  
T. Lodise\* (Albany, United States), K. LaPensee
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- P059** 12:30 – 13:30  
Activity of newer and older antimicrobials against Gram-negative organisms
- P1267** *In vitro* activity of piperacillin-tazobactam and comparators against Enterobacteriaceae from multiple infection sources encountered in selected European countries: TEST data 2013–2016  
M. Hackel\* (Schaumburg, United States), D. Hoban, M. Renteria, D. Sahm, H. Leister-Tebbe
- P1268** Molecular profiling of beta-lactam-resistant Enterobacteriaceae collected as part of the tigecycline European surveillance trial (TEST) in 2014–2015  
K. Kazmierczak\* (Schaumburg, United States), M. Wise, H. Leister-Tebbe, D. Sahm
- P1269** *In vitro* antimicrobial activity of ceftolozane/tazobactam against multi-resistant gram-Negative bacilli from blood culture  
A. Gutierrez Arroyo\* (Madrid, Spain), M. Romero, J. García Rodríguez, M. Gomez-Gilmira
- P1270** *In vitro* activity of ceftolozane/tazobactam and ceftazidime/avibactam against ESBL-producing *Escherichia coli* and *Klebsiella pneumoniae* from the urinary tract  
V. Krizan-Hergouth\* (Ljubljana, Slovenia), M. Pirs
- P1271** Antimicrobial activity of ceftolozane/tazobactam tested against contemporary (2014–2016) Gram-negative organisms collected from European medical centres  
D. Shortridge\* (North Liberty, United States), M. Castanheira, H. Sader, J. Streit, R. Mendes, R. Flamm
- P1272** Antimicrobial activity of ceftolozane/tazobactam tested against contemporary (2014–2016) Gram-negative organisms collected from Latin American medical centres  
L. Duncan\* (North Liberty, United States), A. Gales, R. Flamm, M. Castanheira, H. Sader, J. Streit, D. Shortridge
- P1273** The reversibility of antibiotic resistance: will co-trimoxazole resistance ever go down?  
K. Pouwels\* (London, United Kingdom), R. Batra, A. Patel, J. Edgeworth, J. Robotham, T. Smieszek
- P1274** The association between use of different antibiotics and trimethoprim resistance: going beyond the obvious crude association using elastic net regularization and generalized boosted regression models  
K. Pouwels\* (London, United Kingdom), R. Freeman, B. Muller-Pebody, G. Rooney, K. Henderson, J. Robotham, T. Smieszek
- P1275** Antimicrobial susceptibilities of temocillin and other agents against Enterobacteriaceae in Hong Kong  
M. Lp\* (Shatin, Hong Kong), P. Hawkey, S. Van de Velde, K. Lai, K. Fung, T. Wong, C. Zhu, D. Tsang
- P1276** Temocillin activity against KPC-producing Enterobacteriaceae in Greece  
V. Koumaki\* (Athens, Greece), L. Politi, V. Gennimata, S. Pournaras, I. Balakrishnan, A. Tsakris
- P1277** Trends in susceptibility of Enterobacteriaceae to ertapenem in five global regions, SMART 2011–2015  
S. Lob\* (Schaumburg, United States), K. Young, M. Motyl, S. Hawser, I. Morrissey, S. Magnet, D. Sahm
- P1278** *In vitro* activity of plazomicin and underlying resistance mechanisms in Enterobacteriaceae isolated from blood isolates from hospitalized patients in Turkey  
D. Gür\* (Ankara, Turkey), A. Cakar, U. Hasdemir, B. Aksu, E. Caglan, I. Cavusoglu, T. Celik

- P1279** ***In vitro* activity of plazomicin against colistin-resistant Enterobacteriaceae including plasmid-encoded MCR-1-producing isolates**  
*P. Nordmann\* (Fribourg, Switzerland), V. Denervaud, L. Connolly, K. Krause*
- P1280** **Activity of plazomicin and comparator agents tested against recent clinical isolates collected in the Asia-Pacific region, Europe and Latin America**  
*M. Castanheira\* (North Liberty, United States), J. Streit, L. Deshpande, R. Mendes, R. Flamm*
- P1281** **Plazomicin activity against European Enterobacteriaceae isolates carrying aminoglycoside-modifying enzymes and 16S rRNA methylases**  
*M. Castanheira\* (North Liberty, United States), T. Doyle, L. Woosley, A. Serio, K. Krause, R. Flamm*
- P1282** ***In vivo* efficacy of combinations of novel antimicrobial peptide SPR741 and rifampicin in neutropenic murine pneumonia models of Gram-negative bacterial infections**  
*P. Warn\* (Manchester, United Kingdom), J. Teague, D. Corbett, L. Payne, E. Burgess, T. Lister, T. Parr*

P060 12:30 – 13:30

**News on relebactam and vaborbactam**

- P1283** **Activity of imipenem-relebactam against Enterobacteriaceae and *Pseudomonas aeruginosa* from respiratory tract infections in Europe, SMART 2015**  
*V. Di Lorenzo\* (Monthey, Switzerland), S. Lob, K. Young, M. Motyl, S. Hawser, I. Morrissey, S. Magnet, D. Sahm*
- P1284** **Relebactam (REL) is a potent inhibitor of the KPC-2 beta-lactamase and restores the susceptibility of imipenem (IMI) against KPC-producing Enterobacteriaceae**  
*K. Papp-Wallace\* (Cleveland, United States), M. Barnes, J. Alsop, C. Bethel, S. Becka, D. van Duin, B. Kreiswirth, R. Bonomo*
- P1285** ***In vitro* activity of meropenem combined with RPX7009 against Enterobacteriaceae producing KPC-type carbapenemases in China**  
*Q. Yang\* (Beijing, China), G. Zhang, Y. Xu*
- P1286** **Meropenem-vaborbactam activity against Enterobacteriaceae isolates collected during 2014–2015 from European countries**  
*M. Castanheira\* (North Liberty, United States), L. Duncan, L. Deshpande, R. Mendes, R. Flamm*

- P1287** ***In vitro* activity of meropenem-vaborbactam against KPC-producing Enterobacteriaceae from Europe collected in 2014–2015**  
*M. Hackel\* (Schaumburg, United States), R. Badal, D. Sahm*
- P1288** **Meropenem-vaborbactam against highly carbapenem-resistant Enterobacteriaceae in an *in vitro* hollow fiber model using PK from Phase 1 and phase 3 data in patients**  
*D. Griffith\* (San Diego, United States), Z. Tarazi, M. Sabet, D. Rubio-Aparicio, T. Nolan, J. Parkinson, M. Dudley, O. Lomovskaya*
- P1289** **Clinical outcomes in adults with complicated urinary tract infections (cUTI), including acute pyelonephritis (AP) in TANGO 1, a phase 3 randomized, double-blind, double-dummy trial comparing meropenem-vaborbactam (M-V) with piperacillin-tazobactam (P-T)**  
*J. Loutit\* (Parsippany, United States), M. Bidair, M. Zervos, O. Sagan, V. Zaitsev, M. Dudley, J. Vazquez*
- P1290** **Per pathogen outcomes of meropenem-vaborbactam (M-V) versus piperacillin-tazobactam (P-T) in the treatment of adults with complicated urinary tract infections (cUTI), including acute pyelonephritis (AP), in TANGO 1, a phase 3 randomized, double-blind, double-dummy trial**  
*T. Walsh\* (New York, United States), T. Bhowmick, R. Darouiche, A. Shorr, V. Zaitsev, D. Perlin, E. Giamarellos-Bourboulis, E. Fedosiuk, O. Lomovskaya, K. Fusaro, M. Dudley, J. Loutit, T. File*
- P061 12:30 – 13:30
- In vitro* activity of avibactam**
- P1291** **Antimicrobial activity of ceftazidime-avibactam tested against contemporary (2013–2015) Gram-negative organisms collected from United States (US) medical centres**  
*H. Sader\* (North Liberty, United States), M. Castanheira, D. Shortridge, R. Mendes, R. Flamm*
- P1292** ***In vitro* activities of avibactam combinations with ceftazidime and aztreonam against clinical Enterobacteriaceae isolates recovered from hospitalized patients in Russia: results of the national surveillance**  
*R. Kozlov\* (Smolensk, Russian Federation), M. Edelstein, M. Sukhorukova, E. Skleenova, N. Ivanchik, V. Zhuravlev, A. Romanov, A. Dekhnich*
- P1293** **Ceftazidime-avibactam and ceftolozane-tazobactam activity against *Escherichia coli* producing CTX-M beta-lactamases**  
*A. Casapao\* (Bangor, United States), S. Mahlen*

- P1294** A global assessment of the *in vitro* activity of ceftazidime-avibactam and comparator agents against Gram-negative isolates from paediatric patients  
M. Hackel\* (Schaumburg, United States), D. Sahm, G. Stone
- P1295** Activity of ceftazidime-avibactam against isolates of Enterobacteriaceae and *Pseudomonas aeruginosa* collected in Europe as part of the INFORM global surveillance programme, 2015  
K. Kazmierczak\* (Schaumburg, United States), M. Estabrook, B. de Jonge, G. Stone, D. Sahm
- P1296** Activity of ceftazidime-avibactam against carbapenem non-susceptible Enterobacteriaceae isolated from respiratory infections as part of the INFORM global surveillance programme, 2014–2015  
K. Kazmierczak\* (Schaumburg, United States), M. Estabrook, B. de Jonge, G. Stone, D. Sahm
- P1297** *In vitro* activity of aztreonam-avibactam against metallo-beta-lactamase producing Enterobacteriaceae isolates collected during a global surveillance programme, 2012–2015  
K. Kazmierczak\* (Schaumburg, United States), M. Hackel, B. de Jonge, P. Bradford, D. Sahm
- P1298** *In vitro* activity of aztreonam-avibactam against isolates of Enterobacteriaceae collected in Europe as part of a global surveillance programme, 2015  
K. Kazmierczak\* (Schaumburg, United States), H. Li, B. de Jonge, P. Bradford, D. Sahm
- P1302** A novel beta-lactam enhancer Gram-negative antibiotic, zidebactam (ZID) – phenotypic and genotypic characteristics of ZID-selected mutants of Enterobacteriaceae – expressing class C, KPC and NDM  
S. Bhagwat\* (Aurangabad, India), J. Prashant, H. Khande, S. Palwe, S. Biniwale, M. Patel
- P1303** Safety and pharmacokinetics of single and multiple intravenous doses of WCK 4282 (cefepime and tazobactam) in healthy volunteers  
A. Bhatia\* (Mumbai, India), R. Chugh, M. Gupta, P. Iwanowski, H. Friedland
- P1304** The combination of carbapenems and the B-lactamase inhibitor LN-1-255 is effective against class D carbapenemases of *Acinetobacter baumannii*  
J. Vazquez-Ucha\* (A Coruña, Spain), M. Maneiro, M. Martínez Guitián, M. Poza, J. Buynak, C. Bethel, R. Bonomo, G. Bou Arevalo, C. Gonzalez-Bello, A. Beceiro
- P1305** Seleno compounds as novel antibacterial agents and efflux pump inhibitors in Gram-negative bacteria  
A. Kincses\* (Szeged, Hungary), G. Spengler, T. Mosolygó, Á. Szabó Tönki, S. Carmen, J. Handzlik, E. Domínguez-Álvarez
- P1306** Synthesis of thioxo-cephalosporin inhibitors of metallo-beta-lactamases for mechanistic studies  
C. Chen\* (Oxford, United Kingdom), D. Wang, J. Brem, C. Schofield

**P062** 12:30 – 13:30  
**Zidebactam and other new Gram-negative antibiotic potentiators**

- P1299** Population pharmacokinetics of zidebactam (WCK 5107), a novel beta-lactam enhancer antibiotic  
A. Muller\* (The Hague, Netherlands), J. Mouton
- P1300** Zidebactam (WCK 5107) and WCK 5153: bicycloacyl hydrazide penicillin-binding-protein (PBP) inhibitors showing potent beta-lactam enhancer activity against multidrug-resistant (MDR) metallo-beta-lactamase (MBL)-producing *Klebsiella pneumoniae*  
B. Moya\* (Orlando, United States), I. Barcelo, S. Bhagwat, M. Patel, G. Bou Arevalo, A. Oliver
- P1301** Safety and pharmacokinetics of multiple ascending doses of WCK 5107 (zidebactam) and WCK 5222 (cefepime and zidebactam)  
R. Chugh\* (Mumbai, India), F. Lackdavalala, H. Friedland, A. Bhatia

**P063** 12:30 – 13:30

- Murepavadin**
- P1307** Population pharmacokinetics modelling of murepavadin (POL7080) and simulation of target attainment in a population with ventilator associated pneumonia due to infection with *Pseudomonas aeruginosa*  
G. Dale\* (Allschwil, Switzerland), M. Machacek, L. Renaud, A. Wach, C. Zwingelstein, L. Beni
- P1308** Pharmacokinetic and efficacy analysis of murepavadin (POL7080) co-administered with standard-of-care (SoC) in a phase II study in patients with ventilator-associated pneumonia (VAP) due to suspected or documented *Pseudomonas aeruginosa* infection  
G. Dale\* (Allschwil, Switzerland), A. Armaganidis, F. Frantzeskaki, C. Diakaki, S. Zakynthinos, E. Ischaki, K. Mandragos, C. Katsenos, M. Paraschos, E. Giamarellas-Bourboulis, A. Pistiki, P. Ramirez, M. de la Torre-Prados, A. Rodriguez, K. Sommerville, A. Wach, C. Zwingelstein, L. Beni, L. Hooftman, A. Torres



**P1309** **Catabolism and excretion of the anti-pseudomonal antibiotic murepavadin (POL7080) in humans**  
A. Wach\* (Allschwil, Switzerland), J. Sennhauser, P. Kern, P. Ehmer, G. Douglas, L. Beni, C. Zwingelstein, G. Dale

**P1310** **In vitro drug transporter interaction studies with the outer membrane protein targeting anti-pseudomonal antibiotic murepavadin (POL7080)**  
A. Wach\* (Allschwil, Switzerland), G. Douglas, A. Klukovits, E. Nagy, L. Beni, C. Zwingelstein, G. Dale

**P1311** **Pharmacokinetic of murepavadin (POL7080) and amikacin in a drug-drug interaction phase 1 study in healthy subjects**  
G. Dale\* (Allschwil, Switzerland), C. Zwingelstein, M. Leidig, F. Schaumann, L. Beni, A. Wach

**P064** **12:30 – 13:30**

#### Cefiderocol

**P1312** **Activity of cefiderocol (S-649266) against carbapenem-resistant Gram-negative bacteria collected from inpatients in Greek hospitals**  
M. Falagas\* (Athens, Greece), T. Skolidis, K. Vardakas, N. Legakis

**P1313** **The in vitro activity of cefiderocol, a novel siderophore cephalosporin, against a global collection of *Stenotrophomonas maltophilia***  
M. Tsuji\* (Osaka, Japan), M. Hackel, R. Echols, Y. Yamano, D. Sahm

**P1314** **Surveillance of cefiderocol in vitro activity against Gram-negative clinical isolates collected in Europe: SIDERO-WT-2014**  
M. Tsuji\* (Osaka, Japan), M. Hackel, Y. Yamano, R. Echols, D. Sahm

**P1315** **In vitro activity of cefiderocol (S-649266) against multidrug-resistant Enterobacteriaceae from the UK**  
S. Mushtaq\* (London, United Kingdom), A. Vickers, A. Hussain, D. Livermore, N. Woodford

**P1316** **In vitro activity of cefiderocol against globally collected carbapenem-resistant Gram-negative bacteria including isolates resistant to ceftazidime/avibactam, ceftolozane/tazobactam and colistin: SIDERO-CR-2014/2016 study**  
Y. Yamano\* (Osaka, Japan), M. Tsuji, M. Hackel, R. Echols, D. Sahm

**P065** **12:30 – 13:30**

#### New drugs against Gram-positives

**P1317** **Unique mode of action and non-induction of resistance by novel 14- and 15-membered macrolides**  
Z. Kanyo\* (New Haven, United States), E. Skripkin, A. Bhattacharjee, E. Duffy, T. Szal, N. Vazquez-Laslop, A. Mankin

**P1318** **Plasma protein binding structure activity relationship related to the N-terminus of daptomycin**  
E. Schneider\* (Parkville, Australia), J. Huang, V. Carbone, M. Han, Y. Zhu, S. Nang, K. Khoo, M. Johnson, M. Cooper, J. Li, T. Velkov

**P1319** **Covalent incorporation of synthetic sortase A substrates into the *Staphylococcus aureus* cell wall proceeds via a lipid II-independent pathway**  
S. Hansenova Manaskova\* (Rotterdam, Netherlands), K. Nazmi, W. Van 't Hof, A. Van Belkum, N. Martin, F. Bikker, E. Veerman, W. Van Wamel

**P1322** **A novel nisin U variant from *Streptococcus gallolyticus* displaying potent activity against *Streptococcus pneumoniae***  
A. Aldarhami\* (Plymouth, United Kingdom), A. Felek, V. Sharma, S. Jackson, M. Upton

**P1323** **Killing of persisters, stationary phase and starved cells of MRSA and coagulase-negative staphylococci by anti-staphylococcal protein P128**  
U. Sharma\* (Bengaluru, India), N. Poonacha, S. Nair, D. Tuppad, D. Hiremath, T. Mohan, S. Desai, A. Vipra

**P1324** **The mechanism of cidal activity of the ribosome-targeting macrolide antibiotics**  
M. Svetlov\* (Chicago, United States)

**P1325** **The cellular target of tomatidine and analogs against *Staphylococcus aureus* is the bacterial ATP synthase**  
C. Isabelle\* (Sherbrooke, Canada), M. Lamontagne Boulet, K. Bouarab, F. Chagnon, E. Marsault, F. Malouin

**P1326** **Contribution of the extracellular chaperone PrsA to cell wall synthesis and beta-lactam resistance in MRSA**  
J. Ambre\* (Oeiras, Portugal), M. Pinho

**P1327** **A new non-ribosomal peptide synthetase and polyketide synthase database with a bioinformatic method to quickly decipher biosynthesis gene clusters in bacterial genomes**  
J. Rolain\* (Marseille, France), F. Shirley, V. Merhej

**P1328** Atomic eyesight is key to design of enhanced macrolides with true robustness to target-based resistance

E. Duffy\* (New Haven, United States), Z. Kanyo, A. Bhattacharjee, J. Ippolito, A. Marra, E. Skripkin, J. Remy

**P1329** Antibiotics from the deep: isolation of novel antibiotic-producing bacteria from sponges

A. Felek\* (Plymouth, United Kingdom), G. Farnham, K. Howell, A. Aldarhami, M. Upton

**P1330** Analysis of epidermicin NIO1-induced changes in the proteome of *S. aureus* NCTC 11965 using label-free quantitative proteomics

A. Felek\* (Plymouth, United Kingdom), M. Upton

P066 12:30 – 13:30

#### Various agents against Gram-positive bacteria

**P1331** *In vitro* activity of lefamulin against bacterial pathogens commonly causing community-acquired bacterial pneumonia (CAP): 2015 SENTRY data from Europe

S. Paukner\* (Vienna, Austria), H. Sader, J. Streit, R. Flamm, S. Gelone

**P1332** *In vitro* activity of lefamulin against *Staphylococcus aureus* from hospital-acquired pneumonia (HAP) and community-acquired pneumonia (CAP) patients in Europe

S. Paukner\* (Vienna, Austria), H. Sader, R. Flamm, L. Duncan, S. Gelone

**P1333** *In vitro* activity of lefamulin against *S. aureus* collected from hospitalized patients with bacterial pneumonia in Europe

S. Paukner\* (Vienna, Austria), R. Flamm, J. Streit, S. Gelone, H. Sader

**P1334** *In vitro* activity of lefamulin against a global collection of respiratory pathogens from paediatric patients from the 2015 SENTRY programme

S. Paukner\* (Vienna, Austria), R. Flamm, L. Duncan, S. Gelone, H. Sader

**P1335** Lefamulin is highly active *in vitro* against multi-drug resistant *mycoplasma genitalium* strains

S. Paukner\* (Vienna, Austria), J. Jensen

**P1336** Pharmacokinetics and Safety of an oral, immediate-release (IR) tablet formulation of lefamulin in fed and fasted healthy subjects

W. Wicha\* (Vienna, Austria), C. Lell, E. Seltzer, W. Prince, S. Gelone

**P1337** IV and oral drug development of the Staphylococcal-specific antibiotic debio 1450: results from formulation-finding and multiple ascending-dose studies

A. Menetrey Tacheron\* (Lausanne, Switzerland), F. Wittke, M. Grossmann, A. Hussaini, R. Fuhr, A. Etter, V. Nicolas

**P1338** *In vitro* activity of dalbavancin and tedizolid against *Staphylococcus* spp. and *Enterococcus* spp.

C. Gaona Álvarez\* (Mérida, Spain), C. González Velasco, J. Mendez Gonzalez, M. Anselmo Diaz, J. Manchón Castilla, J. Moreno Moreno, M. Fajardo Olivares, A. Pérez Caballero, P. Martín Cordero, R. Sánchez Silos, E. Garduno

**P1339** Evaluation of tedizolid against clinical isolates of Gram-positive cocci (GPC) from Singapore hospitals

J. Teo\* (Singapore, Singapore), T. Lim, S. Tan, Y. Cai, W. Lee, T. Koh, L. Hsu, T. Tan, P. Chlebicki, A. Kwa

**P1340** New insights into tedizolid efficacy against staphylococci

P. Delpech\* (Glasgow, United Kingdom), M. Aleryan, B. Jones, C. Gemmell, S. Lang

**P1341** Efficacy of tedizolid against methicillin-resistant *Staphylococcus aureus* and *Peptostreptococcus anaerobius* in thigh mixed-infection mouse model

H. Mikamo\* (Nagakute, Japan), M. Hagihara, H. Kato, N. Nishiyama, N. Asai, Y. Koizumi, D. Sakanashi, H. Suematsu, K. Matsuura, Y. Yamagishi

**P1342** Comparative efficacy of linezolid (LZD) vs. tedizolid (TZD) in an experimental murine model of VRE [vancomycin-resistant enterococci] bacteraemia

N. Mishra\* (Torrance, United States), W. Abdelhady, A. Bayer

**P1343** Pharmacokinetics of oral tedizolid in diabetic patients with lower limb infections

S. Stainton\* (Hartford, United States), D. Nicolau, M. Monogue, A. Shepard, J. Nugent, J. Kuti

**P1344** Activity of tedizolid against methicillin-susceptible and -resistant *Staphylococcus aureus* isolated from patients in European centres and surrounding regions

R. Mendes\* (North Liberty, United States), D. Shortridge, H. Sader, M. Castanheira, R. Flamm

**P1345** Efficacy of solithromycin versus moxifloxacin in the treatment of CABP by baseline PORT risk class: results from 2 large, multi-national studies

G. Tillotson\* (Chapel Hill, United States), D. Mildvan, J. McKinnell, K. Aggarwal, B. Jamieson, D. Oldach, P. Fernandes

- P1346** Evaluation of early clinical response (ECR) as a primary endpoint for CABP: pooled analysis of phase 3 studies comparing solithromycin, a new macrolide, and moxifloxacin  
G. Tillotson\* (Chapel Hill, United States), J. McKinnell, D. Mildvan, K. Aggarwal, B. Jamieson, D. Oldach, P. Fernandes
- P1347** Efficacy of solithromycin for treatment of community-acquired pneumonia (CAP) by patient age: pooled analysis of 2 multinational, double-blind, randomized, controlled studies  
G. Tillotson\* (Chapel Hill, United States), D. Mildvan, J. McKinnell, K. Aggarwal, B. Jamieson, D. Oldach, P. Fernandes
- P1348** Multi-national studies comparing solithromycin, a new macrolide, to moxifloxacin in the treatment of CABP: response by geographical region  
G. Tillotson\* (Chapel Hill, United States), J. McKinnell, D. Mildvan, K. Aggarwal, B. Jamieson, D. Oldach, P. Fernandes
- P1349** Early clinical response (ECR) of solithromycin compared with moxifloxacin in microbiologically positive subjects from two global clinical trials in community-acquired bacterial pneumonia (CABP)  
G. Tillotson\* (Chapel Hill, United States), K. Keedy, A. Nenninger, A. Sheets, D. Oldach, B. Jamieson
- P1350** WCK 4873 (nafithromycin): impact of hyper *ermB* induction in *S. pneumoniae* and *S. aureus* on the activity of ketolides  
M. Patel\* (Aurangabad, India), H. Khande, J. Satav, A. Kulkarni, S. Bhagwat
- P1351** *In vitro* evaluation of delafloxacin activity when tested against contemporary ABSSSI isolates from Europe and surrounding areas (2014–2016): results from the SENTRY antimicrobial surveillance programme  
M. Huband\* (North Liberty, United States), J. Streit, D. Shortridge, R. Flamm
- P1352** Delafloxacin (DLX) is effective and well-tolerated in treatment of European patients with acute bacterial skin and skin structure infections (ABSSSI) versus vancomycin/aztreonam (VAN/AZ)  
S. Cammarata\* (Lincolnshire, United States), L. Kemeny, C. Giuglea, M. Quintas, L. Lawrence, S. Liang
- P1353** Delafloxacin (DLX) is effective and well-tolerated in treatment of diabetic (DM) patients with acute bacterial skin and skin structure infections (ABSSSI) versus vancomycin/aztreonam (VAN/AZ)  
S. Cammarata\* (Lincolnshire, United States), P. Giordano, W. Nseir, L. Lawrence, Y. Li
- P1354** Delafloxacin (DLX) is effective and well-tolerated in treatment of obese patients with acute bacterial skin and skin structure infections (ABSSSI) versus vancomycin/aztreonam (VAN/AZ)  
S. Cammarata\* (Lincolnshire, United States), S. Shah, B. Baynton, L. Lawrence, M. Quintas, S. Liang
- P1355** Delafloxacin (DLX) is effective and well tolerated in treatment of patients with renal impairment and acute bacterial skin and skin structure infections (ABSSSI) versus vancomycin/aztreonam (VAN/AZ)  
S. Cammarata\* (Lincolnshire, United States), R. Beasley, G. Oguchi, S. Liang, L. Lawrence
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- P067** 12:30 – 13:30  
Drugs against Gram-positives – more data
- P1356** Telavancin activity against a global collection of *Staphylococcus aureus* clinical isolates (2013–2015)  
R. Mendes\* (North Liberty, United States), H. Sader, L. Duncan, M. Castanheira, D. Shortridge, R. Flamm
- P1357** *In vivo* efficacy of ceftobiprole in two rabbit models of methicillin-resistant *Staphylococcus aureus* (MRSA) necrotizing pneumonia  
D. Croisier\* (Gemeaux, France), D. Hayez, S. Albac, C. Badiou, F. Vandenesch, G. Lina, O. Dumitrescu, A. Santerre Henriksen, A. Schmitt Hoffmann, N. Anzala, P. Chavanet, D. Labrousse
- P1358** *In vitro* activity of eravacycline and comparators against *Staphylococcus aureus* and enterococci, including methicillin-resistant and vancomycin-resistant subgroups, collected from European hospitals in 2015  
S. Hawser\* (Monthey, Switzerland), I. Morrissey, M. Bassetti, S. Magnet, M. Olesky, C. Fyfe
- P1359** Activity of dalbavancin against clinical isolates of *Staphylococcus aureus*, beta-haemolytic streptococci and vancomycin-susceptible *Enterococcus faecalis* from the international dalbavancin evaluation of activity surveillance programme IDEA  
I. Critchley\* (Irvine, United States), D. Debavov, J. Nelson, K. Bhirangi, A. Comandini, P. Gonzalez
- P1360** Ceftaroline versus vancomycin in the treatment of methicillin-resistant *Staphylococcus aureus* meningitis in an experimental rabbit model  
O. Sipahi\* (Izmir, Turkey), S. Mermer, T. Turhan, E. Bolat, S. Aydemir, T. Yamazhan, H. Pullukçu, B. Arda, H. Sipahi, S. Ulusoy

**P1361** **Novarifyn, a novel antimicrobial peptide rapidly active against multi drug-resistant *Staphylococcus aureus* and *Acinetobacter baumannii***  
L. Katvars\* (Aberdeen, United Kingdom), D. Mercer, D. O'Neil

**P1362** **Phase II clinical study of oral lascefloxacin in community-acquired pneumonia**  
T. Kato\* (Frankfurt, Germany), M. Odajima, S. Kohno

**P1363** **Phase II clinical study of lascefloxacin intravenous infusion in community-acquired pneumonia**  
T. Kato\* (Frankfurt, Germany), M. Odajima, S. Kohno

**P068** **12:30 – 13:30**

#### New discoveries against Gram-negatives

**P1364** ***In vitro* activity of the novel fluorocycline TP-6076 against carbapenem non-susceptible *Acinetobacter baumannii***  
H. Seifert\* (Cologne, Germany), D. Stefanik, J. Sutcliffe, P. Higgins

**P1365** **TP-6076 is active against carbapenem- and polymyxin-resistant Enterobacteriaceae and *Acinetobacter baumannii* isolates in the FDA-CDC antimicrobial isolate bank panels**  
J. Newman\* (Watertown, United States), C. Fyfe, B. Close, G. LeBlanc

**P1366** **Arenicin peptides: broad-spectrum activity and a dual mode of action**  
A. Elliott\* (Brisbane, Australia), J. Huang, S. Neve, I. Edwards, J. Zuegg, A. Kavanagh, A. Cain, C. Boinett, M. Butler, M. Blaskovich, M. Cooper

**P1367** **POL7001 is highly efficacious in the murine neutropenic lung-infection model**  
G. Dale\* (Allschwil, Switzerland), J. Teague, P. Thommes, P. Warn, J. Hansen, C. Vingsbo Lundberg, F. Bernardini, D. Obrecht

**P1368** **Design, synthesis and *in vivo* profiling of novel inhibitors of *P. aeruginosa* multi-virulence factor regulator (MvfR)**  
D. Andreotti\* (Verona, Italy), A. Felici, M. Antolini, L. Rahme, M. Negri, V. Garrido-Estevez, R. Zahler, M. Pucci, A. Feriani, D. Andreotti, E. Dalla Benetta

**P1369** **Comparative *in vitro* antimicrobial activities of CSA-142 and CSA-192, the second generation of ceragenins, with CSA-13**  
Ö. Oyadı\* (Ankara, Turkey), C. Bozkurt Guzel

**P1370** ***In vitro* and *in vivo* activity of theaflavin-epicatechin combinations versus multidrug-resistant *Acinetobacter baumannii***  
J. Betts\* (Guildford, United Kingdom), M. Hornsey, D. Wareham, R. La Ragione

**P1371** **The result of structure activity relationship**  
J. Park\* (Yongin-Si, South Korea), W. Im, S. Choi, H. Sung, J. Moon, J. Choi

**P1371A** **Efficacy results of DA-7010**  
J. Park\* (Yongin-Si, South Korea), W. Im, S. Choi, H. Sung, J. Moon, H. Lee, M. Lee, J. Choi

**P1372** ***In vitro* and *in vivo* efficacy of LpxC inhibitor, CHIR-090, alone or combined with colistin against *Pseudomonas aeruginosa* biofilm**  
J. Tan\* (Singapore, Singapore)

**P1373** ***In vivo* efficacy of a novel bacterial topoisomerase inhibitor**  
N. Ooi\* (Cheshire, United Kingdom), A. Salisbury, C. Charrier, N. Chaffer-Malam, E. Moyo, T. Duffy, V. Savage, J. Cheung, R. Metzger, N. Stokes, M. Craighead, I. Cooper, A. Ratcliffe, A. Lyons, E. Dick, R. Walker, K. Blades, J. Kirkham, S. Best, H. Butler

**P1374** **Biological characterization of a novel bacterial DNA gyrase and topoisomerase IV inhibitor**  
N. Ooi\* (Cheshire, United Kingdom), C. Charrier, N. Chaffer-Malam, E. Moyo, R. Newman, D. Hine, V. Savage, J. Cheung, N. Stokes, M. Craighead, I. Cooper, A. Ratcliffe, A. Lyons, E. Dick, R. Walker, K. Blades, J. Kirkham, H. Butler, S. Best, A. Salisbury

**P069** **13:30 – 14:30**

#### Enterococcal infections: epidemiology and resistance

**P1375** **Epidemiology of enterococci isolated from an infection in Belgium**  
K. Loens\* (Antwerp, Belgium), M. Ieven, E. Yusuf, H. Goossens

**P1376** **Rare mechanisms of resistance in Belgian enterococci identified by WGS**  
K. Loens\* (Antwerp, Belgium), V. Matheeußen, A. Verlinden, M. Ieven, E. Yusuf, B. Xavier, S. Malhotra-Kumar, H. Goossens

**P1377** **Differences in resistance and virulence between various sequence types of CC17 vancomycin-resistant *Enterococcus faecium* clinical isolates**  
A. Sierko\* (Białystok, Poland), P. Wieczorek, D. Ojdana, P. Majewski, A. Wieczorek, P. Sacha, E. Tryniszewska

- P1378**      **Molecular typing of vancomycin-resistant enterococci: Evaluation of a core genome MLST scheme using pulsed-field gel electrophoresis as the reference method**  
M. Gillis\* (Cologne, Germany), P. Higgins, J. Tien, D. Stefanik, D. Köhler, M. Vehreschild, H. Seifert
- P1379**      **Vancomycin variable resistance may occur through creation of a novel promoter after deletions by polymerase slippage**  
A. Sivertsen\* (Tromsø, Norway), J. James Peter, I. Sjögren, K. Hegstad
- P1380**      **Detection of a pRUM-like plasmid harboring the *vanA* gene in a Hungarian *Enterococcus faecium* isolate**  
S. Meleg\* (Pécs, Hungary), K. Kovács, A. Nyul, T. Kovács, G. Mestyán
- P1381**      **Is fosfomycin a potential therapeutic agent against vancomycin-resistant *Enterococcus faecium*?**  
M. McHugh\* (Edinburgh, United Kingdom), R. Howett, E. Palenzuela, D. Inverarity, E. Czarniak
- P1382**      **WGS-based elucidation of linezolid resistance locus *optrA* in clinical *Enterococcus* spp. isolates from Germany**  
J. Bender\* (Wernigerode, Germany), C. Fleige, D. Lange, U. Geringer, I. Klare, G. Werner
- P1383**      **Molecular epidemiology of vancomycin-resistant enterococci in Stockholm, Sweden (2007–2015)**  
H. Fang\* (Stockholm, Sweden), I. Fröding, E. Ericson, P. Lühje, B. Eriksson, M. Ullberg
- P1384**      **Evaluation of ceftaroline and telavancin susceptibilities against enterococcal bloodstream isolates**  
A. Casapao\* (Bangor, United States), S. Mahlen
- P1385**      **Wide screening of oxazolidinone and phenicol resistance genes in *Enterococcus* reveals common *optrA* drivers in different continents**  
A. Freitas\* (Maia, Portugal), H. Elghayeb, C. Novais, S. Aguiar, T. Coque, M. Abbassi, L. Peixe
- P1386**      **A call to action in long-term care facilities: high rates of colonization with ampicillin and vancomycin-resistant *Enterococcus faecium* hospital strains**  
A. Freitas\* (Maia, Portugal), C. Novais, B. Duarte, A. Pereira, B. Martins, L. Peixe
- P1387**      **Molecular characterization of vancomycin-resistant *Enterococcus faecium* isolated from blood culture in haematological patients in Russia**  
G. Klyasova\* (Moscow, Russian Federation), S. Khrulnova, A. Fedorova (Mironova), I. Frolova
- P1388**      **The incidence of *Enterococcus* spp. ICU-acquired bloodstream infections on the rise in France: a time-series analysis from the national REARAISIN network**  
J. Timsit\* (Paris, France), S. Bailly, J. Lucet, A. Lepape, F. L'Heriteau, M. Aupee, C. Bervas, S. Boussat, A. Berger-Carbonne, A. Machut, A. Savey
- P1389**      **Population structure and antibiotic resistance of *Enterococcus faecium* from a tertiary care hospital in southern Germany**  
B. Neumann\* (Wernigerode, Germany), J. Bender, T. Semmler, L. Wieler, G. Werner
- P1390**      **Vancomycin-resistant *Enterococcus faecium* endemic outbreak in Trieste hospital**  
J. Monticelli\* (Trieste, Italy), A. Knezevich, M. Di Santolo, C. Fabris, M. Buseti, C. Lagatolla, R. Bressan, L. Dolzani, F. Campanile, M. Santagati, D. Bongiorno, S. Stefani, R. Luzzati
- P1391**      ***OptrA* in Galway populations: developing a screening method for detecting linezolid-resistant *Enterococcus faecalis***  
U. Ni Riain\* (Galway, Ireland), M. Byrne, P. Hynes, M. Cormican
- 
- P070**      **13:30 – 14:30**  
**Update on respiratory viruses**
- P1392**      **Epidemiology of human respiratory viruses in children with acute respiratory tract infections in Parma area, northern Italy**  
S. Montecchini\* (Parma, Italy), A. Calderaro, M. Medici, F. De Conto, F. Pinardi, F. Ferraglia, M. Arcangeletti, C. Chezzi, F. Crea, V. Militello
- P1393**      **Epidemiology and seasonal patterns of respiratory viruses detected in adults with a low-density microarray**  
L. Balsalobre\* (Madrid, Spain), A. Martin, M. Guerrero, P. Sánchez, E. Gallego, L. Cardeñoso
- P1394**      **Age-specific distribution of complicated influenza A (H1N1) continued in the post-pandemic era**  
U. Wu\* (Taipei, Taiwan), Y. Chen, H. Chang, F. Chi-Tai, W. Sheng, J. Wang, Y. Chen, S. Chang, S. Chang
- P1395**      **Validation of clinical throat specimens from hospitalized patients on Focus Diagnostics Simplex Flu A/B & RSV Direct assay using the 3M Integrated Cyclor instrument**  
A. Dadrah\* (Birmingham, United Kingdom), S. Cawley, P. Patel, M. Awan, G. Woodworth, N. Ratnaraja



- P1396** **Molecular epidemiology and genetic variability of respiratory syncytial virus (RSV) in northern India (2013–15) with emphasis on novel RSV A ON1 genotype**  
R. Ratho\* (Chandigarh, India), S. Sarkar, M. Singh, A. Singh, M. Singh
- P1397** **Predictors of mortality of severe virus-associated community-acquired pneumonia using logistic regression analysis**  
K. Bielosludtseva\* (Dniepro, Ukraine), T. Pertseva, T. Kirieieva
- P1398** **Clinical, laboratory, microbiological, radiological and pathomorphological features of severe community-acquired pneumonia associated with influenza A(H1N1) in 2015–2016**  
K. Bielosludtseva\* (Dniepro, Ukraine), T. Pertseva, T. Kirieieva
- P1399** **Life-threatening adenovirus infection in immuno-competent adults**  
H. Isenman\* (Christchurch, New Zealand), A. Kurup, I. Venkatachalam, G. Maclaren, J. Low, L. Chai, C. Ong
- P1400** **Impact of molecular virus detection on the anti-microbial management of hospitalized adult patients with severe acute respiratory infection**  
B. Delaere\* (Yvoir, Belgium), M. Bourgeois, N. Ausselet, V. Gérard, L. De Canniere, I. Michaux, Y. Glupczynski, P. Bogaerts, T. Huang
- P1401** **The first report of detection and phylogenetic analysis of enterovirus D-68 and rhinoviruses in children under age of 5 years in Iran**  
N. Ghavami\* (Tehran, Iran), H. Namdari, F. Rezaei
- P1402** **Economic impact of the use of Alere-i Influenza A & B screening for the management of influenza infections in adults attending the emergency department during winter 2015–2016 in Lyon, France**  
B. Lina\* (Lyon, France), D. Barthelemy, P. Guerre, V. Potinet, M. Jeannoel, L. Huot, H. Serrier, C. Chidiac, T. Ferry
- P1403** **Respiratory virus genomic quantification usefulness in surveillance influenza (flu) season**  
M. Alvarez-Argüelles\* (Oviedo, Spain), M. de Oña, S. Rojo, M. Gomez-Novo, A. Fernandez, M. Menendez, J. Boga, S. Melon
- P1404** **Influenza in hospitalized children in Singapore, a tropical country**  
C. Chong\* (Singapore, Singapore), N. Tan, C. Yung, J. Li, T. Koh Cheng
- P1405** **Influenza A/H1N1pdm09 viral clearance kinetics in hospitalized children and adults**  
I. Sanz\* (Valladolid, Spain), S. Rojo, M. Dominguez-Gil, V. Matías, L. Abad, C. Alcalde, C. Disdier, F. del Campo, R. Ortiz de Lejarazu
- P1406** **Viral-load normalized by cell quantification as predictor of the outcome of human respiratory syncytial virus infection**  
M. Gomez-Novo\* (Oviedo, Spain), M. Alvarez-Argüelles, S. Rojo, A. Leal, J. Boga, M. Menendez, S. Melon, M. Oña-Navarro
- P1407** **Molecular assays for the diagnosis of respiratory viruses in hospitalized patients: is it cost-effective? A Brazilian perspective**  
D. Wiltgen\* (Porto Alegre, Brazil), L. Debom, R. Marco, C. Kawski
- P1408** **Spatial host-genome rearrangement in influenza infection**  
I. Ince\* (Istanbul, Turkey), B. Delmas, N. Beaujean
- P1409** **Incidence and risk factors of acute respiratory illness in healthcare and office workers**  
P. Kohler\* (Toronto, Canada), J. Di Bella, A. McGeer, S. McNeil, K. Katz, J. Powis, A. Simor, M. Muller, M. Loeb, M. Smieja, T. Hachette, S. Drews, L. Holness, T. Mazzulli, B. Coleman
- P1410** **Could pooled nasopharyngeal and tonsillar swabbing positively impact virological examination?**  
E. Jansova\* (Brno, Czech Republic), H. Jirincova, J. Prochazkova, N. Kocnarova, M. Havlíčková
- P1411** **The burden of respiratory syncytial virus (RSV) disease in adult patients with underlying lung disease: interim analysis from a retrospective patient-chart review**  
R. Fleischhackl\* (Vienna, Austria), N. Lee, J. Mahadevia, G. De La Rosa, I. Sander, R. Stolper, E. Walsh, V. Wyffels, J. Zakar
- P1412** **Age-related prevalence of common upper respiratory pathogens, based on the FilmArray respiratory panel**  
P. Makridis\* (Athens, Greece), N. Tsagarakis, A. Sideri, A. Triantafyllou, C. Nikolidaki, V. Papoutsaki, N. Chaviaras, M. Nycha, A. Stamoulakatou, E. Papadogeorgaki
- P1413** **Development of a bioinformatics pipeline tool for the identification of potentially cross-reactive T-cell epitopes in respiratory viruses**  
E. Pusch\* (Marburg, Germany), C. Hudemann, K. Peuckert, F. Cemic, H. Renz, C. Skevaki

- P1414** **Influence of bacterial co-infection on the course of swine influenza**  
M. Pomorska-Mól\* (Puławy, Poland), A. Dors, K. Kwit, Z. Pejsak
- P1415** **Evaluation of the BD Veritor point-of-care-tests for the diagnosis of influenza virus and RSV infections in paediatric and adult admissions to the Hampshire Hospitals NHS Foundation Trust (HHFT), a potential replacement of laboratory diagnosis?**  
S. Kidd\* (Basingstoke, United Kingdom), A. Dale, G. Lockyer, K. Holmes, K. Saeed, C. Thomas, M. Dryden, N. Cortes, N. Hutchinson
- P1416** **Molecular characterization of influenza viruses during the 2012–2016 seasons at a tertiary university hospital in Catalonia (Spain)**  
C. Andrés\* (Barcelona, Spain), G. Laura, M. Piñana Moro, P. Peremiquel, M. Codina, M. Campins, M. Martín, F. Fuentes, R. Saiz, P. Alcubilla, B. Almirante Gragera, S. Melendo, T. Pumarola, A. Anton
- P1417** **Molecular characterization of rhinoviruses detected at a tertiary university hospital during the 2014–2016 seasons in Catalonia (Spain)**  
C. Andrés\* (Barcelona, Spain), G. Laura, M. Piñana Moro, M. Codina, F. Fuentes, M. Martín, R. Saiz, P. Alcubilla, T. Pumarola, A. Anton
- P1418** **Evaluation of a new medium for molecular detection of influenza A and B viruses in clinical specimens**  
M. Valette\* (Lyon, France), G. Burfin, C. Socratous, B. Lina
- P1419** **Human bocavirus in not uncommon in adult patients with acute respiratory infection**  
H. Hong\* (Daegu, South Korea), S. Shim, H. Koh, H. Kwon
- P1420** **Performance of a clinical decision rule for diagnosis of influenza in primary care**  
F. Hoefler\* (Lausanne, Switzerland), N. Senn, N. Boillat-Blanco
- P1421** **Genetic diversity of human respiratory syncytial virus A and B during 2012–2015 in Thailand**  
N. Athipanyasilp\* (Bangkok, Thailand)
- P1422** **Comparison of amino acid alterations in HA1 and HA2 domains of the HA gene of pandemic and post-pandemic influenza A(H1N1)pdm09 isolates in Turkey**  
D. Guldemir\* (Ankara, Turkey), F. Ari, A. Altas, Z. Bakkaloglu, Ö. Ünalı, F. Bayraktar, G. Korukluoglu, A. Aktas, R. Durmaz
- P1423** **HSV respiratory tract infections in immunocompromised patients not undergoing mechanical ventilation**  
R. Luzzati\* (Trieste, Italy), C. Rosin, C. Maurel, A. Misin, M. Mascarello, A. Busca, R. Molina, F. Martellani, M. Confalonieri, P. D'Agaro
- P1424** **Microbiological characterization of community-acquired pneumonia among hospitalized children in Tunisia**  
A. Hammami\* (Sfax, Tunisia), S. Gargouri, L. Feki-Berrajah, I. Khbou, K. Aissa, S. Mezghani, A. Znazen, T. Kammoun, M. Hachicha, H. Karray-Hakim
- P1425** **Respiratory viruses: a threat to children with acute lymphoblastic leukaemia**  
M. Rompola\* (Huddersfield, United Kingdom), F. Azzuni, A. Hale, E. Kane, E. Roman, B. James, S. Kinsey
- P1426** **Surveillance of introduction of MERS-CoV and other respiratory viruses: appraisal of an alternative procedure in suspected cases**  
R. Kramer\* (Stockholm, Sweden), A. Bal, M. Valette, F. Morfin, B. Lina
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- P071** **13:30 – 14:30**
- Epidemiology of fungal infections II**
- P1427** **Estimated burden of fungal infections in Italy**  
M. Bassetti\* (Udine, Italy), A. Canelutti, M. Peghin, D. Denning
- P1428** **Prevalence of different *Aspergillus* species in the United States: one-year surveillance study of clinical isolates from a reference laboratory**  
N. Wiederhold\* (San Antonio, United States), D. Sutton, C. Sanders, J. Mele, C. Gibas, H. Fan
- P1429** **Investigation of the biofilm-forming capacity of pulsed-field gel-electrophoresis (PFGE)-clonally-related *Candida parapsilosis* strains isolated from bloodstream infections**  
M. Drogari-Apiranthitou\* (Athens, Greece), M. Flessas, M. Siopi, I. Galani, V. Mamali, G. Arvanitidis, I. Anyfantis, G. Vrioni, K. Digalaki, J. Meletiadiis, A. Tsakris, G. Petrikkos
- P1430** **Characterization of candidaemia in patients with solid tumours**  
F. Barchiesi\* (Ancona, Italy), S. Mazzanti, F. Trave, E. Orsetti
- P1431** **Biofilm formation as predominant risk factor for mortality in patients with candidaemia**  
C. Tascini\* (Pisa, Italy), G. Cardinali, E. Sozio, L. Corte, F. Sbrana, C. Scarpato, A. Ripoli, G. Bertolino, M. Merelli, E. Tagliaferri, A. Corcione, F. Menichetti

- P1432** **A two-year comparative study of mould and viable microbial counts in air samples from neutral and positive pressure rooms in two tertiary care hospitals**  
L. Ryan\* (Waterford, Ireland), N. O'Mara, S. Tansey, T. Slattery, B. Hanahoe, A. Vellinga, M. Doyle, M. Cormican
- P1433** **Cumulative incidence (CI) of invasive fungal infections (IFI) in haematopoietic stem cell transplant (HSCT) recipients and adult patients with acute leukaemia: RIFI study**  
G. Klyasova\* (Moscow, Russian Federation), V. Okhmat, M. Popova, T. Kaporskaya, U. Sveshnikova, K. Kaplanov, I. Toropova, T. Zagoskina, N. Gorbunova, O. Korobicina, V. Larionova, T. Bogdan, I. Kruchkova, D. Motorin, A. Pristupa, E. Blokhina, E. Skorobogatova, V. Rossiev, V. Savchenko
- P1434** **Allergic bronchopulmonary aspergillosis in cystic fibrosis patients in Saint Petersburg, Russia**  
N. Klimko\* (St. Petersburg, Russian Federation), Y. Kozlova, Y. Borzova, I. Suslova, O. Aak, T. Bogomolova, V. Ponnaya, E. Burygina
- P1435** **Clinical significance of *Scedosporium/Lomentospora* spp. isolates in a tertiary hospital. A five-year retrospective study**  
M. Adolfo\* (Valencia, Spain), E. Ibañez Martinez, P. Falomir, A. Ruiz, A. Solé-Jover, J. Pemán, J. López-Hontangas
- P1436** **Biodiversity of fungal pathogens in beach sand and its implication for human health**  
A. Barac\* (Belgrade, Serbia), S. Rubino, M. Murgi, G. Stevanovic
- P1437** **Genotypic analysis of *C. albicans*, *C. parapsilosis* and *C. tropicalis* isolates causing candidaemia in Copenhagen over a 2-year period**  
P. Escribano\* (Madrid, Spain), M. Arendrup, E. Bouza Santiago, J. Guinea
- P1438** ***Magnusiomyces capitatus* infection and splenic rupture in a lymphoma patient**  
L. Ana\* (Majadahonda, Spain), B. Perez de Camino Gaisse, D. Naya Errea, R. Fores Cachon, A. de la Iglesia Lorenzo, J. Cabrera Marin, C. Fernandez Maqueda
- P1439** **Filamentous fungi in an adult cystic fibrosis unit in Madrid**  
A. Miqueleiz\* (Madrid, Spain), A. Martín, M. Guerrero, L. Balsalobre, R. Girón, B. Buendia
- P1440** **Exploring the epidemiology and diversity of fungal isolates in a large tertiary haematology unit in London, UK**  
T. Rawson\* (London, United Kingdom), B. Kim, A. Abdolrasouli, L. Moore, H. Donaldson, D. Armstrong-James, A. Holmes
- P1441** **Novel taxa of the systemic dimorphic fungal pathogens in the Ajellomycetaceae (Onygenales)**  
K. Dukik\* (Utrecht, Netherlands), J. Munoz, Y. Jiang, B. Stielow, J. Freeke, A. Jamalian, B. Gerrits Van den Ende, I. Schwartz, N. Govender, C. Kenyon, A. Borman, S. de Hoog
- P1442** **Low prevalence of *Pneumocystis jirovcii* colonization in healthy population: new controversy**  
L. Karimi\* (Shiraz, Iran), H. Khodadadi, K. Pakshir, F. Esmaili
- P1443** **FungiScope – global emerging fungal infection registry**  
D. Seidel\* (Cologne, Germany), L. Duran Graeff, M. Vehreschild, B. Liss, P. Köhler, H. Wisplinghoff, J. Vehreschild, O. Cornely
- P1444** **Low incidence of candidaemia in pediatric small-bowel-transplant recipients at a UK transplant center**  
M. Patel\* (Birmingham, United Kingdom), M. Coelho, G. Gupta
- P1445** **The epidemiology, management and outcomes of invasive mucormycosis in the 21st century: a systematic review**  
W. Jeong\* (Melbourne, Australia), C. Keighley, S. Chen, W. Lee, M. Slavin, D. Kong
- P1446** **Epidemiology and outcomes of persistent candidaemia**  
C. Cardozo\* (Barcelona, Spain), F. Marco, J. Martínez Martínez, L. Morata, O. Rodríguez Nuñez, M. Almela, J. Mensa, A. Soriano, C. Garcia-Vidal
- P1447** **Epidemiology and outcomes of 803 episodes of candidaemia in a single center**  
C. Cardozo\* (Barcelona, Spain), F. Marco, J. Martínez Martínez, M. Almela, M. Arroyo Gallego, C. De la Calle, J. Mensa, A. Soriano, C. Garcia-Vidal
- P1448** ***Histoplasma capsulatum* infections in non-HIV-infected patients at King Chulalongkorn Memorial Hospital, Thailand: a 10-year experience**  
P. Noopetch\* (Bangkok, Thailand), S. Wongdindam, P. Panarat, A. Chindamporn, C. Suankratay
- P1449** **Transcriptional analysis of the response of the yeast *Candida albicans* to nitrosative stress with regard to DNA repair and lipid biosynthesis**  
K. Mohammad\* (Erbil, Iraq)
- P1450** **Estimation of the burden of serious mycoses in Cameroon**  
D. Denning\* (Manchester, United Kingdom), C. Mandengue

- P1451** Estimation of serious fungal disease burden in Belarus  
A. Skrahina\* (Minsk, Belarus), D. Denning, H. Hurevich, N. Yavorava
- P1452** Epidemiology of superficial mycoses in south-eastern Serbia: a laboratory-based mycological survey from 1997 to 2016  
S. Otasevic\* (Niš, Serbia), S. Momčilović, N. Stojanovic, V. Arsic-Arsenijevic
- P1453** Association between Pitt bacteriaemia score and mortality in patients with candidaemia: proposal of a new scoring system to predict prognosis of candidaemia  
N. Motokawa\* (Nagasaki, Japan), T. Miyazaki, K. Izumikawa, K. Yanagihara, S. Kohno, H. Mukae
- P1454** Estimation of the serious mycoses burden in Indonesia  
R. Wahyuningsih\* (Jakarta, Indonesia), R. Adawyah, A. Roza, D. Denning, J. Prihartono, R. Syam, E. Wulandari, D. Imran, M. Dram, E. Forman
- P1455** Assessment of the effects of aflatoxin B1 and gliotoxin on human corneal epithelial cells by continuous monitoring of cellular impedance and quantification of inflammation markers  
J. Menotti\* (Paris, France), Y. Bossou, Y. Serssar, A. Allou, S. Vitry, I. Momas, N. Seta, S. Achard
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- P072** 13:30 – 14:30  
**Diagnostic mycology II**
- P1456** False positivity in molecular diagnostic testing for *Aspergillus fumigatus*  
E. McCulloch\* (Glasgow, United Kingdom), P. Wallace, W. Mackay, C. Williams
- P1457** Identification of isolates belonging to the *Fusarium* genus and the *Mucorales* order using MALDI-TOF MS  
B. Rodriguez-Sanchez\* (Madrid, Spain), E. Zvezdanova, P. Escribano, J. Guinea, M. Martinez-Jiménez, A. Ruiz, E. Bouza
- P1458** PCR-restriction enzyme analysis (PCR-REA) of the ITS1-5.8S-ITS2 region for the molecular characterization of dermatophytes  
A. Kaya\* (Istanbul, Turkey), M. Aydın, G. Erfan
- P1459** Evaluation of two MALDI-TOF MS systems on the identification of *Candida tropicalis* grown on different culture media  
H. Wang\* (Beijing, China), Y. Li, X. Fan, T. Chiueh, Y. Xu, P. Hsueh
- P1460** Host proteins as promising therapeutic biomarkers for invasive aspergillosis in patients with leukaemia  
D. Perlin\* (Newark, United States), Y. Zhao, Y. Nagasaki, P. Paderu, M. Sugrue, H. Leather, J. Wingard
- P1461** Performances of B-D-Glucan assay for the diagnosis and follow-up of invasive candidiasis in onco-haematological patients  
J. Guitard\* (Paris, France), Y. Senghor, M. Tabone, G. Leverger, F. Isnard, C. Hennequin
- P1462** Rapid identification of yeast from positive blood cultures by peptide nucleic acid fluorescence *in situ* hybridization technology  
M. Adolfo\* (Valencia, Spain), A. Ruiz, I. Gómez-Alfaro, N. Lozano, E. Ibañez Martinez, O. Sabalza, J. Pemán, J. López-Hontangas
- P1463** Secreted aspartyl proteinase gene profiles and sequence variation in *Candida albicans* clinical isolates in Bucharest, Romania  
O. Saddiq\* (Bucharest, Romania), I. Czobor, O. Shalal, O. Almahdawy, D. Alkurjia, A. Ratiu, G. Pircalabioru-Gradisteanu, O. Banu, I. Gheorghe, V. Lazar, M. Chifiriuc
- P1464** The role of mycology laboratory in management of *Fusarium keratitis*  
D. Özgür\* (Mersin, Turkey), N. Karabicak, Ş. Direkel, U. Adıgüzel, M. Argın, F. Otag
- P1465** Evaluation of two commercial real-time PCR assays for the detection of *Pneumocystis jirovecii*  
F. Genco\* (Pavia, Italy), R. Bassani, R. Maserati, A. Bruno, F. Tamarozzi, V. Meroni
- P1466** Fluorescent capillary electrophoresis as a tool for detection of fungi on urinary catheters and ureteral stents  
I. Kotaskova\* (Brno, Czech Republic), T. Freiburger, H. Obrucova, B. Malisova, F. Ruzicka, V. Hala
- P1467** *Homographiella aspergillata*, a non-*Aspergillus* mould, causing fungal granuloma involving the anterior cranial fossa in an immunocompetent individual  
T. Dhole\* (Lucknow, India), D. Shah, R. S K Marak, L. Pal, R. Sahu, S. Bihari
- P1468** Comparing mortality, and clinical, radiological and global responses, in patients with haematological malignancy with confirmed versus non-confirmed invasive aspergillosis  
J. Aram\* (Groton, United States), J. Jie, W. Depei, Y. Liu, S. Pan, J. Yan

- P1469** **Invasive fungal infections caused by *Saprochaete capitata* – difficulties in molecular detection**  
M. Bezdiček\* (Brno, Czech Republic), M. Lengerova, I. Kocmanová, J. Horáková, D. Tanušková, Z. Ráčil
- P1471** **Evaluation of the Bruker MALDI-TOF MS system for identification of *Aspergillus* species directly from being grown on solid media**  
Y. Li\* (Beijing, China), P. Hsueh, Y. Xu, H. Wang
- P1472** **AspID – a multiplex qPCR kit for the detection of clinically relevant *Aspergillus* species**  
G. Johnson\* (Newcastle upon Tyne, United Kingdom), S. Kirvell, S. Bustin
- P1473** ***In silico* prediction of specific immunogenic epitopes from the epidemiologically relevant fungus *Histoplasma capsulatum***  
M. Rubio Carrasquilla\* (Medellín, Colombia), L. Cano Restrepo, R. Ochoa Deossa
- P1474** **Evaluation of the automated BD MAX real-time PCR platform for detection of *Pneumocystis jirovecii***  
L. Tai Fen\* (Taipei, Taiwan), J. Chien, P. Lin, Y. Lin, Y. Huang, C. Hung, L. Teng, P. Hsueh
- P1475** **Interactions of *Curvularia* and *Bipolaris* strains with monocytes and neutrophils**  
T. Papp\* (Szeged, Hungary), E. Toth, A. Hoffmann, E. Boros, I. Nagy, C. Vagvolgyi
- P1476** **Exploring anti-carbohydrate antibodies for the detection of invasive aspergillosis by means of glycan-coated nanoparticles**  
F. Chiodo\* (Leiden, Netherlands), M. Van der Beek, E. Kuijper
- P1477** **Electronic nose technology (ENT) can distinguish COPD patients who are colonized with *Aspergillus fumigatus* from COPD patients who are not**  
R. Klont\* (Hengelo, Netherlands), M. Roe of Rohé, M. Brusse-Keizer, F. de Jongh, P. Verweij, P. Van der Valk
- P1478** **Development of an UKNEQAS external quality assessment scheme: galactomannan antigen detection in clinical specimens to aid in the diagnosis of invasive aspergillosis**  
F. Kirtal\* (London, United Kingdom), S. Seaton, M. Mutso, S. Rughooputh
- P1479** **Radiological and microbiological features in neutropenic patients with persistent fever following posaconazole or other antifungal prophylaxis: a single-centre prospective study**  
C. Giordano\* (Naples, Italy), R. Della Pepa, R. Colicchio, C. Sirignano, P. Salvatore, E. Soscia, I. Zacheo, F. Pane, M. Picardi
- P1480** **Clinical performance of lysis centrifugation cultures in comparison to routine blood cultures for the detection of yeast bloodstream infection**  
L. Samuel\* (Detroit, United States), M. Jamal, O. Rayes, R. Tibbetts
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- P073** **13:30 – 14:30**  
**Disinfection and biocides**
- P1481** **Development of an optimized method for testing the antimicrobial activity on coated glass materials**  
R. Frei\* (Basel, Switzerland), S. Tschudin Sutter, A. Romanyuk, P. Meier, U. Pieleles, J. Koeser, A. Widmer
- P1482** **Efficacy of 2% chlorhexidine tincture and 5% povidone-iodine tincture for prevention of blood-culture contamination: the first randomized controlled study**  
P. Panarat\* (Bangkok, Thailand), G. Suwanpimolkul, C. Suankratay
- P1483** **Duodenoscopy involved in a carbapenemase-producing Enterobacteriaceae outbreak in a gastroenterology intensive care unit: myth or reality?**  
D. Lepelletier\* (Nantes, France), C. Bourigault, N. Bodet, N. Ferronniere, F. Le Gallou, N. Musquer, W. Sophie, M. Juvin, S. Corvec, J. Gournay, L. Marc
- P1484** **Comparison of biofilm dispersion by commercially available cleaning solutions recommended for the manual cleaning of endoscopes**  
W. Siala\* (Brussels, Belgium), F. Van Bambeke, T. Vanzielegem
- P1485** **Norovirus recovery after different methods of surface decontamination: preliminary results**  
C. Ciofi-Silva\* (São Paulo, Brazil), K. Uchikawa Graziano, R. Carmona, S. Morillo, N. Inada, V. Bagnato
- P1486** **Endoscope disinfection control: the use of a rapid molecular test (GeneXpert)**  
V. Lepera\* (Milano, Italy), A. Bielli, C. Lacchini, G. Lombardi, C. Grimaldi, C. Vismara
- P1487** **Microbiological surveillance of endoscopes: comparison of different sampling techniques**  
L. Cattoir\* (Ghent, Belgium), T. Vanzielegem, L. Florin, T. Helleputte, M. De Vos, B. Verhasselt, J. Boelens, I. Leroux-Roels
- P1488** **Biocides as a causative agent of the emergence of pandrug-resistance: biocidal effects of DNA structure and biological activity**  
D. Moshynets\* (Kiev, Ukraine), S. Rymar, S. Rogalsky, N. Kisyl, A. Spiers



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|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P1489</b> | <b>The overall bioburden by total colony count does not predict presence of pathogens with high clinical relevance in the environment of hospitals and community</b><br><i>A. Widmer* (Basel, Switzerland), F. Widmer, R. Frei, S. Tschudin Sutter, A. Romanyuk</i>                          | <b>P074</b>                                                                                | <b>13:30 – 14:30</b>                                                                                                                                                                                                                                                                                                                                   |
| <b>P1490</b> | <b>The sterilization effect against <i>Acanthamoeba</i> on the contact lens using the plasma irradiation</b><br><i>S. Fujimura* (Sendai, Japan), T. Sato, T. Nakano, A. Watanabe</i>                                                                                                         | <b>Epidemiology and <i>in vitro</i> susceptibility of coagulase-negative staphylococci</b> |                                                                                                                                                                                                                                                                                                                                                        |
| <b>P1491</b> | <b><i>In vitro</i> activity of biocides against carbapenemase-producing <i>Klebsiella pneumoniae</i> (CP-Kp)</b><br><i>M. Delgado* (Seville, Spain), A. Gual de Torrella Bennisar, F. Caballero, J. Oteo, J. Rodríguez-Baño, A. Pascual Hernandez, F. Fernández-Cuenca</i>                   | <b>P1498</b>                                                                               | <b>Correlation between the genome instability and the presence of mobile genetic elements (MGEs) in highly resistant <i>Staphylococcus haemolyticus</i> strains</b><br><i>F. Hosseinkhani* (Leiden, Netherlands)</i>                                                                                                                                   |
| <b>P1492</b> | <b>Evaluation of the bactericidal activity of various disinfectants against <i>Pseudomonas aeruginosa</i> in planktonic and biofilm cell cultures</b><br><i>E. Mataraci-Kara* (Istanbul, Turkey), A. Gerçeker</i>                                                                            | <b>P1499</b>                                                                               | <b><i>In vitro</i> evaluation of coagulase-negative staphylococci for fosfomycin compared with vancomycin and teicoplanin using Etest GRD strips</b><br><i>J. Meis* (Nijmegen, Netherlands), I. Klaasen, M. de Bruyn, J. Goosen, A. Voss</i>                                                                                                           |
| <b>P1493</b> | <b>Viral clearance-related factors in HIV-HCV co-infected patients treated with direct-acting anti-viral agents</b><br><i>E. Merino* (Alicante, Spain), G. Sánchez Sánchez, R. León Allocca, A. Zurita, P. González de La Aleja, D. Torrús-Tendero, V. Boix, S. Reus Bañuls, J. Portilla</i> | <b>P1500</b>                                                                               | <b>Activity of dalbavancin tested against teicoplanin-resistant coagulase-negative staphylococci</b><br><i>E. Cercenado* (Madrid, Spain), M. Marín, D. Ampuero, A. Alvarez-Uria, E. Bouza Santiago</i>                                                                                                                                                 |
| <b>P1494</b> | <b><i>In vitro</i> activity of disinfectants and ciprofloxacin alone and in combination on <i>Pseudomonas aeruginosa</i> biofilms</b><br><i>N. Uzunbayir-Akel* (Izmir, Turkey), Y. Tekintas, F. Yilmaz, I. Ozturk, S. Aydemir, F. Cilli, M. Hosgor-Limoncu</i>                               | <b>P1501</b>                                                                               | <b><i>In vitro</i> activity of dalbavancin against clinical isolates of coagulase-negative staphylococci resistant to linezolid, vancomycin, teicoplanin or daptomycin</b><br><i>J. Rodríguez-Lozano* (Santander, Spain), J. Calvo Montes, L. Martinez-Martinez</i>                                                                                    |
| <b>P1495</b> | <b>C109: a novel bile salt derivative with dual germination and antimicrobial activity against spores of <i>Clostridium difficile</i> NCTC 11204</b><br><i>A. Lawler* (Birmingham, United Kingdom), K. Yates, D. Rathbone, T. Worthington</i>                                                | <b>P1502</b>                                                                               | <b>Activity of tedizolid against Gram-positive clinical isolates causing infections in Europe and surrounding areas (2014–2016)</b><br><i>R. Mendes* (North Liberty, United States), H. Sader, D. Shortridge, M. Castanheira, R. Flamm</i>                                                                                                             |
| <b>P1496</b> | <b>What impact does cold air atmospheric plasma have on bacterial biofilms formed on hospital surfaces?</b><br><i>S. Kennedy* (Beaumont, Ireland), M. Fallon, S. Daniels, H. Humphreys</i>                                                                                                   | <b>P1503</b>                                                                               | <b><i>In vitro</i> activity of tedizolid against linezolid-resistant coagulase-negative staphylococci in a tertiary hospital</b><br><i>M. Aranzamendi Zaldumbide* (Ondarroa, Spain), F. Román Alonso, C. Marcos Moreno, P. Trincado Carlos-Roca, A. Bilbao Gonzalez, L. Lopez Soria, J. Hernandez Almaraz, M. Sota Busselo</i>                         |
| <b>P1497</b> | <b>Enzymatic pre-treatment enhances biofilm susceptibility to high-level disinfection</b><br><i>C. Williams* (Paisley, United Kingdom), A. Akinbobola, W. Mackay</i>                                                                                                                         | <b>P1504</b>                                                                               | <b>A role for coagulase-negative staphylococci in the further evolution of antimicrobial resistance in <i>Staphylococcus aureus</i>; messages from the healthy human nares in the absence of significant antibiotic selective pressure</b><br><i>P. Budri* (Dublin, Ireland), R. English, A. Shore, D. Coleman, H. Humphreys, D. Fitzgerald-Hughes</i> |
|              |                                                                                                                                                                                                                                                                                              | <b>P1505</b>                                                                               | <b>Methicillin-resistant <i>Staphylococcus pseud-intermedius</i> among dogs in Sri Lanka carry novel <i>SCCmec</i> variants</b><br><i>B. Duim* (Utrecht, Netherlands), K. Verstappen, R. Kalupahana, L. Ranatunga, A. Fluit, J. Wagenaar</i>                                                                                                           |

- P1506** Vancomycin heteroresistance in coagulase negative *Staphylococcus* bloodstream infections from patients of intensive care units in Mansoura university hospitals, Egypt  
G. Mashaly\* (Mansoura, Egypt), R. El-Mahdy
- P1507** Linezolid-resistance mechanism among clinical isolates of coagulase-negative staphylococci at sanitary area of Albacete (Spain)  
R. Haro-Blasco\* (Albacete, Spain), E. Escribano Garaizabal, J. Bartolomé-Alvarez, F. Román Alonso, C. Marcos Moreno, E. Riquelme-Bravo, C. Sáinz de Baranda Camino, P. Robles-Domínguez, M. Díaz-Rangel, P. Trincado Carlos-Roca, M. Crespo-Sánchez
- P075** 13:30 – 14:30  
**Dreaming about a perfect hand hygiene**
- P1508** Are we there yet? Influence of the national campaign "Aktion Saubere Hände" on hand hygiene in German hospitals.  
T. Kramer\* (Berlin, Germany), J. Walter, K. Bunte-Schönberger, M. Rosenbusch, C. Reichhardt, P. Gastmeier
- P1509** Poor hand-hygiene compliance (HHC) among doctors is mainly due to just two recurrent errors. Results of a detailed prospective study of hospital-ward rounds  
M. Grayson\* (Melbourne, Australia), S. Sparham, A. Stewardson
- P1510** Knowledge improvement following a hand hygiene train-the-trainer course in Spain  
E. Tartari\* (Msida, Malta), E. Tartari, C. Fankhauser, D. Pires, D. Pittet
- P1511** Usefulness of the three-dimensional analysis of antimicrobial resistance, antimicrobial agent use and hand-hygiene surveillance data in infection control  
A. Ukimura\* (Takatsuki, Japan), F. Kawanishi, Y. Shibata, T. Yamada, Y. Ooi, T. Nakano
- P1512** Are soap, paper towel and alcohol-based disinfectants enough in intensive care units of Turkey? Results of the Phokai study  
A. Uyan\* (Izmir, Turkey), K. Demiray, A. Arı, S. Alkan Çeviker, E. Işık, G. Senol, S. Demic, M. Dogan, K. Uğurlu, M. Arslan, I. Akdemir, F. Koç, Y. Kürekçi, D. Çağlayan, H. Sipahi, T. Yamazhan, B. Arda, S. Ulusoy, O. Sipahi, P. Study Group
- P1513** Patient-safety culture and hand hygiene – how hospital-unit culture influences the ability to improve compliance  
M. Caris\* (Amsterdam, Netherlands), P. Kamphuis, M. Dekker, M. de Bruijne, M. Van Agtmael, C. Vandenbroucke-Grauls
- P1514** Hand hygiene adherence results in Swiss hospitals after introduction of the new application *CleanHands*  
R. Fulchini\* (St. Gallen, Switzerland), C. Kahlert, R. Kuhn, M. Schlegel
- P1515** Cutting to the stone: intimating hand-hygiene awareness and modifying inspection practices is leading to improving results and their quality. Barzilai Medical Center, 18 months experience. Ashkelon, Israel  
D. Chen\* (Ashkelon, Israel), Y. Gimma, L. Sheinman, Y. Sherer, C. Levi, S. Maayan
- P076** 13:30 – 14:30  
**Surveillance to control resistance**
- P1516** Multidisciplinary root-cause analysis for *Staphylococcus aureus* bacteraemia: lessons learnt  
A. Hussain\* (Birmingham, United Kingdom), C. Lewis, M. Holland, G. Abbott
- P1517** Vancomycin-resistant enterococci (VRE) in the ICU and clinical epidemiological associations between patient and environmental VRE: don't underestimate the environment outside of outbreaks  
D. Fitzgerald-Hughes\* (Dublin, Ireland), H. McDermott, J. O'Rourke, M. Skally, H. Humphreys
- P1518** Third prevalence survey of methicillin-resistant *Staphylococcus aureus* in nursing home residents in Belgium, 2015  
M. Dodemont\* (Brussels, Belgium), M. Argudin Regueriro, A. Deplano, T. Huang, B. Jans, D. Schoevaerds, C. Nonhoff, S. Roisin, K. Latour, B. Catry, Y. Glupczynski, O. Denis
- P1519** Successful elimination of puerperal mastitis by methicillin-resistant *Staphylococcus aureus* (MRSA) with a comprehensive infection control bundle  
W. Wang\* (Taichung, Taiwan), S. Tsao, P. Hsueh
- P1520** Reduction in the incidence of newly acquired MRSA through infection control interventions other than decolonization procedure in neurosurgical ICU  
J. Lee\* (Iksan, South Korea), J. Cho
- P1521** Molecular characterization of hospital- and community-acquired methicillin-susceptible and resistant *Staphylococcus aureus* isolates in Bucharest, South Romania  
O. Almahdawy\* (Bucharest, Romania), I. Gheorghe, O. Banu, C. Violeta Corina, V. Lazar, G. Mihaescu, M. Chifiriuc

**P1522** **Surveillance data on healthcare-associated infections. Whose data is it?**  
*M. Skally\* (Dublin, Ireland), S. Winder, S. Donlon, V. Connolly, M. Greene, D. Fahy, F. Markey, M. Brady, M. Fitzpatrick, L. Rajan, B. Dinesh, K. Burns, F. Fitzpatrick, E. Smyth, H. Humphreys*

**P1523** **The impact of antibiotic use on transmission dynamics of antibiotic-resistant bacteria in the hospital setting**  
*Y. Almagor\* (Tel Aviv, Israel), E. Temkin, N. Fallach, I. Benenson, Y. Carmeli*

**P1524** **Prospective surveillance study using whole-genome sequencing to determine the prevalence and transmission of multidrug-resistant organisms in an intensive care unit**  
*H. Brodrick\* (Cambridge, United Kingdom), P. Polgarova, F. Khokhar, P. Naydenova, B. Blane, D. Enoch, N. Brown, J. Preller, C. Summers, M. Ellington, G. Dougan, S. Peacock, J. Parkhill, M. Torok*

**P1525** **Investigation of potential bacterial epidemic in neonatal ICU by whole-genome sequencing**  
*F. Doucet-Populaire\* (Clamart, France), C. Rouard, L. Rahajamananav, O. Romain, N. Bourgeois-Nicolaos, V. Faraut-Derouin, D. De Luca*

**P1526** **Russian national map of antimicrobial resistance: an online resource under development**  
*A. Kuzmenkov\* (Smolensk, Russian Federation), A. Dekhnich, M. Edelstein, I. Trushin, V. Mladov, B. Makushkin, M. Sukhorukova, R. Kozlov*

**P1527** **Nosocomial bloodstream infections: a 5-year analysis in a Tunisian hospital with high antimicrobial drug-resistance prevalence**  
*B. Mnif\* (Sfax, Tunisia), N. Ben Ayed, F. Rhimi, A. Hammami*

**P1529** **Healthcare-associated infections (HAIs) – the superbug worth targeting**  
*M. Parthasarathy\* (Whitehouse Station, United States)*

**P1530** **Incidence of hospital-acquired infections following kidney, pancreas or kidney-pancreas transplantations: a surveillance-based study**  
*E. Munier-Marion\* (Lyon, France), C. Dananché, L. Badet, E. Morelon, C. Pouteil-Noble, P. Vanhems, T. Bénet*

**P1531** **Environmental screening for VRE in a Dublin hospital and molecular characterization of isolates via PCR and PFGE**  
*S. Putney\* (Dublin, Ireland), J. Flynn, D. Keating, D. Drudy, G. Werner, I. Klare, K. Schaffer*

**P1532** **A first multicentre point-prevalence survey in 4 Japanese university hospitals**  
*H. Morioka\* (Nagoya, Japan), M. Nagao, S. Ichiyama, S. Yoshihara, K. Kasahara, N. Shigemoto, H. Ohge, T. Yagi*

**P1533** **Epidemiology of BORSA isolates across Scotland**  
*E. Dickson\* (Glasgow, United Kingdom), S. Rankin, A. Robb, L. Imrie, C. Alexander, J. Coia*

**P077** **13:30 – 14:30**

**Infections in immunocompromised hosts**

**P1534** **Osteoarticular and severe soft tissue infections in the Swiss Transplant Cohort Study**  
*D. Andrey\* (Geneva, Switzerland), C. Cuérel, P. Schreiber, E. Boely Janke, C. Garzoni, M. Weisser, O. Manuel, C. Hirzel, N. Mueller, C. Van Delden, I. Uckay*

**P1535** **Time to re-evaluate recommendations for prevention of human papillomavirus (HPV) infections after stem cell transplantation (HSCT)**  
*E. Ariza Heredia\* (Houston, United States), J. Hwang, G. Viola, R. Chemaly, Y. Jiang, L. Ramondetta, M. Guo, S. Ahmed*

**P1536** **Toxoplasmosis disease in paediatric haematopoietic stem cell transplantation: do not forget it still exists**  
*V. Meroni\* (Pavia, Italy), A. Comelli, N. Decembrino*

**P1537** **Indications for antibiotic administration in febrile neutropenic episodes (FNE) in patients with acute myeloid leukaemia (AML) and acute lymphoblastic leukaemia (ALL)**  
*V. Okhmat\* (Moscow, Russian Federation), G. Klyasova, E. Parovichnikova, A. Malchikova, V. Troitskaya, E. Gribanova*

**P1538** **The role of positive cultures in asymptomatic kidney transplant candidates in the risk of early post transplant infection**  
*M. Freire\* (São Paulo, Brazil), F. Spadao, C. Vidaurre Mendes, F. De Paula, W. Nahas, E. David Neto, L. Pierrotti*

**P1539** **Donor-derived *M. hominis* and a cluster of *M. hominis* cases in solid organ transplant recipients**  
*A. Peleg\* (Melbourne, Australia), O. Smibert, H. Wilson, S. Narayanasamy, A. Sohail, S. Ballard, M. Schultz, J. DeBoer, O. Morrissey, M. Paraskeva, D. Spelman, A. Jenney*

**P1540** **Trends of *Nocardia* infection over 5 years in a tertiary care hospital**  
*F. Mazzaferri\* (Verona, Italy), E. Segato, L. Maccacaro, M. Cordioli, I. Adami, P. Sette, A. Cazzadori, E. Concia, A. Azzini*

- P1541** **Solid organ transplant recipients presenting to the emergency department with fever**  
C. Hirzel\* (Bern, Switzerland), J. Marschall, D. Ackermann, V. Banz, V. Sigurdardottir, M. Ricklin
- P1542** **Infectious complications after allogeneic haematopoietic stem cell transplantation: preliminary data on spectrum of infections and outcome in a tertiary-care cohort**  
E. Vad\* (Budapest, Hungary), R. Nikolova, P. Reményi, M. Tamás, G. Mikala, J. Sinko
- P1543** **High risk febrile neutropenia: success rate of antibiotic schemes used in haematology department of CMN 20 November**  
M. Ibarra\* (Mexico City, Mexico), P. Baez-Islas, M. López-Hernández
- P1544** **Donor infection and transmission to lung transplant recipient**  
E. Bunsow\* (Barcelona, Spain), I. Los-Arcos, I. Bello, M. Martín, T. Pont, R. Ferrer, J. Sacanell, A. Roman, O. Len, J. Gavalda
- P1545** **Impact of ceftazidime/avibactam treatment on crude mortality in patients with haematologic malignancies presenting bacteraemia due to carbapenemase-producing Enterobacteriaceae**  
J. Castón\* (Córdoba, Spain), I. Lacort, P. Martín-Dávila, L. Maria Belein, E. Temkin, J. Torre Cisneros, J. Pano-Pardo
- P1546** **Bloodstream infections in patients with acute leukaemia: etiology, clinical features and outcome**  
C. Cardozo\* (Barcelona, Spain), F. Marco, F. Romero, D. Agüero, A. Tellez, M. Diaz, C. Pitart, J. Martínez Martínez, J. Mensa, J. Esteve, A. Soriano, C. Garcia-Vidal
- P1547** **Active and latent *Mycobacterium tuberculosis* infection in a large renal transplant cohort**  
B. Rogers\* (Melbourne, Australia), N. Rafiei, J. Williams, B. Mulley, G. Jenkin
- P1548** **Secondary bloodstream infections in haematologic patients: incidence, clinical features, aetiology, outcomes and risk factors**  
C. Royo-Cebrecos\* (Barcelona, Spain), C. Gudiol, A. Valeria, P. Paula, S. Sebastian, R. Parody, J. Carratalà
- P1549** **Early use of mTOR inhibitors and risk of cytomegalovirus infection in liver transplant patients**  
C. Cervera\* (Edmonton, Canada), C. Hernandez, J. Abalde, D. Chiang, A. Kwan, V. Gulhati, A. Saran, S. Fuentes
- P078** **13:30 – 14:30**  
**Diagnostic microbiology**
- P1550** **Contribution of enrichment culture for *Streptococcus agalactiae* screening in pregnant women**  
T. Naas\* (Le Kremlin-Bicêtre, France), G. Cuzon, A. Jabglaoui, N. Fortineau
- P1551** **Accuracy and prognostic value of wet mount microscopy of positive blood cultures**  
K. Karantani\* (Thessaloniki, Greece), E. Myserli, I. Paraskevopoulou, E. Chatzidrosou, O. Geka, O. Georgiadou, E. Vagdatli
- P1552** **Demonstrating the effectiveness of sustainable, long-term, bundled interventions to reduce blood culture contamination**  
O. Abani\* (London, United Kingdom), N. Mughal, T. Rawson, B. Azadian, L. Moore
- P1553** **Epidemiology and demographic, clinical and laboratory manifestation for predicting blood culture contamination**  
R. Colodner\* (Afula, Israel), R. Abu-Saleh, O. Nitzan, H. Edelstein, Y. Keness, W. Saliba, B. Chazan
- P1554** **Macrolide resistance detection and molecular typing of *M. pneumoniae* strains in a Spanish hospital**  
B. Rivaya Sanchez\* (Badalona, Spain), E. Jordana Lluch, G. Fernández Rivas, E. Bascuñana, S. Molinos, N. Romaní Rodés, M. Méndez, L. Matas Andreu
- P1555** **Study of the sonication method on orthopaedic internal fixations and fusion and comparison with the respective tissue cultures**  
A. Stylianakis\* (Athens, Greece), A. Mavrommati, G. Christodoulatos, P. Lepetsos, S. Kamariotis, A. Adamopoulos, S. Katara, N. Zalavras, V. Papaioannou
- P1556** **Superiority of sonication method over semiquantitative roll plate method in the diagnosis of catheter colonization and catheter-related infection in patients of ICU**  
A. Stylianakis\* (Athens, Greece), A. Mavrommati, D. Hatzilia, G. Christodoulatos, S. Kamariotis, S. Katara, S. Tsiplakou, Y. Alamanos
- P1557** **New method for the rapid diagnosis of neuro-infections in hydrocephalus children**  
L. Boronina\* (Ekaterinburg, Russian Federation), M. Kukushkina, S. Blinova, E. Samatova
- P1558** **Copan UriStaw, a novel device for the transport of urine specimens**  
C. Violeta Corina\* (Chiajna, Romania), M. Staiculescu, G. Sandu, R. Pricop, C. Dobreanu

- P1559** **Evaluation of the Accelerate PhenoTM system in a clinical setting: comparison of identification and antibiotic susceptibility test results of 224 prospective blood cultures to standard laboratory methods at Detroit Medical Center**  
*H. Salimnia\* (Detroit, United States), P. Lephart, K. Kaye, J. Pogue, T. Painter, T. Burger, M. Taylor, C. Cooper*
- P1560** **Infection-related stillbirths: a detailed examination of a two-year multidisciplinary study**  
*L. Gabrielli\* (Bologna, Italy), C. Pavia, G. Cocchi, G. Caprara, R. Morandi, A. Vancini, A. Salerno, S. Ambretti, A. Marangoni, T. Lazzarotto*
- P1561** **Evaluation of QuickFISH and the Sepsityper assays for early identification of aetiological agents in bloodstream infection in a clinical routine setting**  
*A. Pernestig\* (Skövde, Sweden), C. Andersson, K. Retz, S. Andersson, K. Svensson, L. Ljungström, H. Enroth, D. Tilevik*
- P1562** **Retrospective evaluation of immunochromatographic *Salmonella* diagnostic tests for the rapid detection of *Salmonella* serovars in blood culture fluid**  
*L. Kuijpers\* (Antwerp, Belgium), P. Chung, B. Barbé, C. Kham, J. Jacobs*
- P1563** **Identification of 80% of bacteria with a 10-minutes technique directly of positive blood culture by matrix-assisted laser desorption ionization time-of-flight mass spectrometry**  
*R. Ruimy\* (Nice, France), L. Simon, E. Ughetto*
- P1564** **Evaluating potential clinical utility of a new *in vitro* diagnostic assay for distinguishing between bacterial and viral infections**  
*M. Stein\* (Hadera, Israel), M. Shapira, K. Oved, A. Cohen-Dotan, R. Navon, O. Boico, M. Paz, L. Etshtein, E. Bamberger, E. Eden, A. Klein*
- P1565** **Relocation of the new generation blood culture system (VirtuO) in emergency room (ER) facilitates bottle-loading task and turnaround time**  
*S. Lee\* (Taipei, Taiwan), Y. Chan, T. Li, S. Lee*
- P1566** **A new approach for determination of bacterial CFU counts in tissue homogenates using growth curves**  
*P. Georgiou\* (Piraeus, Greece), M. Siopi, M. Beredaki, J. Mouton, J. Meletiadiis, S. Pournaras*
- P1567** **Clinical impact of the Verigene system for bloodstream infections**  
*L. Surgers\* (Paris, France), A. Boyd, J. Bottero, G. Arlet, V. Ialande, P. Girard, D. Decré, J. Meynard*
- P1568** **Improved detection of low virulent microorganisms in patients with suspected periprosthetic joint infection by using an automated multiplex PCR system**  
*I. Sigmund\* (Vienna, Austria), J. Gamper, F. Sevela, K. Staats, R. Windhager, J. Holinka*
- P1569** **Sticking the needle into ourselves, before thrusting the packing needle into others: still we have much to do for blood cultures**  
*O. Gurbuz\* (Ankara, Turkey), D. Ocal, E. Altunay, E. Akkan Kuzucu, E. Caliskan, Z. Bayrak, H. Saltas, G. Bahar Erdem*
- P1570** **A new and efficient methodology to incubate *Mycoplasma pneumoniae***  
*F. Chang\* (Taipei, Taiwan), L. Chang, N. Chiu, H. Chi*
- P1571** **Blood cultures focused on *Mycoplasma hominis***  
*W. Akkouche\* (Padova, Italy), E. De Canale, N. Menegotto, S. Masiero, M. Sciro, F. Dalbello, M. Biasolo, L. Rossi*
- P1572** **Blood culture turnaround time in US hospitals: a multicentre study**  
*Y. Tabak\* (San Diego, United States), G. Ye, K. Jeffers, L. Vankeepuram, V. Gupta, R. Johannes, P. Murray*
- P1573** **Performance of a new combination of blood culture vials in sepsis detection: a two-year retrospective comparison**  
*A. Rocchetti\* (Alessandria, Italy), E. Gamalero, F. Rapallo, P. Bottino*
- P1574** **A rapid method for the direct identification and sensitivity profiling of causative agents of septicæmia from positive blood culture bottles**  
*K. Alkuwaity\* (Jeddah, Saudi Arabia), Y. Shukri, H. Shukri*
- P1575** **A signature of carbapenem resistance observable during growth of *Escherichia coli* in spiked blood culture obtained with a colorimetric sensor array**  
*M. Eiden\* (Mountain View, United States), S. Chakravorty, E. Fetsch, H. Siegel, P. Singh, R. Burwell, S. Lim, P. Rhodes*
- P1576** **Double-blind validation in febrile children of host-protein assay [TRAIL, IP-10, CRP] for distinguishing bacterial and viral infections**  
*A. Gervais\* (Geneva, Switzerland), I. Srugo, A. Klein, M. Stein, O. Golan-Shany, I. Chistyakov, O. Glazer, E. Bamberger, M. Shapira, S. Freimann, K. Oved, R. Navon, M. Paz, L. Etshtein, O. Boico, E. Eden, Y. Shahor, T. Gottlieb, G. Kronenfeld, L. Lacroix*



- P1577**      **Clinical bacteriology in low-resource settings: performance of a blood culture system in Phnom Penh, Cambodia**  
*M. Peeters\* (Antwerp, Belgium), P. Chung, A. Tsoumanis, C. Kham, T. Phe, S. Teav, K. Lim, L. Long, I. Sovann, E. Vlieghe, J. Jacobs*
- P1578**      **Diagnostic performance of the InBiOS rapid diagnostic test for the detection of *Burkholderia pseudomallei* in blood culture broth and urine: results of a retrospective pilot evaluation**  
*M. Peeters\* (Antwerp, Belgium), P. Chung, H. Lin, K. Mortelmans, C. Phe, C. San, S. Teav, T. Phe, J. Jacobs*
- P1579**      **Blood cultures directly incubated at the emergency department, ASST "Papa Giovanni XXIII", Bergamo, Italy**  
*C. Farina\* (Bergamo, Italy), E. Belotti, D. Guarneri, G. Ortalli, G. Bargiggia, A. Cerro, F. Damini, L. Fiorina, A. Manisco, M. Passera, D. Pavanello, C. Traverso, V. Rosti, F. Vailati, F. Pezzoli, R. Cosentini*
- P1580**      **Evaluation of urinary procalcitonin level for the diagnosis of bacterial urinary tract infection**  
*N. Cortes\* (Basingstoke, United Kingdom), S. Gbadebo, K. Gordon, K. Saeed*
- P1581**      **Prospective multicentre head-to-head evaluation of the diagnostic performance of vaginal self-sampling compared to the paired reference vaginal/cervical sampling collected by healthcare professionals in various real-life clinical infectious environments**  
*C. Camus\* (Marseille, France), H. Khiri, G. Penaranda, D. Phrakornkham, E. Quarello, P. Halfon*
- P1582**      **GDH and toxin immunoassay for the diagnosis of *Clostridium difficile* infection: is the 2-step-algorithm a one-size-fits-all approach?**  
*E. Rahmati\* (Seattle, United States), R. She, Z. Ashraf, N. Nanda*
- P1583**      **Cognitor-Minus: a new tool of antimicrobial stewardship**  
*C. Duncan\* (Bristol, United Kingdom), M. Albur, J. Vasant, J. Leeming*
- P1584**      **Detection of group B *Streptococcus* in western Australian pregnant women by culture and a novel multiplex real-time PCR assay**  
*L. Furfaro\* (Perth, Australia), B. Chang, M. Payne*

**P079 12:30 – 13:30**  
**Mycobacteria and other fastidious microbes**

- P1585** **Epidemiology of *M. abscessus* among cystic fibrosis patients in Italy**  
C. Riva\* (Milan, Italy), D. Cirillo, E. Tortoli, T. Kohl, A. Trovato, R. Baldan, S. Campana, L. Cariani, C. Colombo, D. Costa, C. Diserio, G. Pizzamiglio, P. Rancoita, G. Taccetti, A. Teri, S. Niemann
- P1586** **Emergence of *Mycobacterium abscessus* as a major non-tuberculosis mycobacterial pathogen in Kuwait**  
M. Mokaddas\* (Dasma, Kuwait), S. Ahmad
- P1587** **Genotyping of *Legionella pneumophila* serogroup 1 strains and database improvement in a regional reference laboratory, Piemonte, North Italy**  
L. Franzin\* (Torino, Italy), V. Demarie, C. Avanzini
- P1591** **Distribution of *Chlamydia trachomatis* genotypes in an urban area of central Italy**  
M. Paglia\* (Rome, Italy), A. Vulcano, A. Toffoletti, N. Orchi, A. Latini, A. Di Caro
- P1592** **Performance of the cobas CT/NG for use on the cobas 6800/8800 systems for the detection of *Chlamydia trachomatis* and *Neisseria gonorrhoeae* in oropharyngeal and anorectal swab specimens**  
M. Lewinski\* (Pleasanton, United States), D. Hardy, P. Gohl, R. Arcenas, B. Seiverth, T. Schneider, E. Marlowe, M. Krevolin
- P1593** ***Legionella* species detection in clinical samples by triple-target PCR**  
R. Jansen\* (Haarlem, Netherlands), W. Van der Reijden, C. Nguyen
- P1595** **Evaluation of MYCO-TB decontamination kit for successful detection of mycobacteria**  
P. Keller\* (Zurich, Switzerland), G. Fascellaro, K. Wagner
- P1596** **Research of *Mycobacterium tuberculosis* complex DNA in paraffin-embedded histological samples by GenotypeMTDRplus**  
S. Torri\* (Quinzano D'Oglio, Italy), V. Lepera, A. Nava, E. Mazzola, D. Fanti, V. Motta, C. Lauricella, S. Veronese

- P1597** **Evaluation of the Copan Myco-TB kit for the decontamination of respiratory samples for the detection of mycobacteria**  
D. De Geyter\* (Brussels, Belgium), D. Cnudde, M. Van der Beken, D. Autaers, D. Pierard
- P1598** **Whole-genome sequencing and analysis of *Burkholderia cepacia* complex clinical isolates from India**  
P. Patil\* (Chandigarh, India), S. Midha, S. Kumar, V. Gautam, P. Patil
- P1599** **A VITEK® MS method for direct and rapid identification of *Mycobacterium* species from three automated liquid media systems**  
E. Miller\* (Durham, United States), E. Moreno, E. Miller, H. Totty, P. Deol, A. Derylak, J. Johnson, M. Beard, B. Body
- P1600** **Sequence-based typing of *Legionella pneumophila* serogroup 1 isolates in Belgium from 2011 to 2016**  
A. Meghraoui\* (Brussels, Belgium), F. Echahidi, M. Argudín, A. Deplano, O. Soetens, R. De Mendonca, C. Nonhoff, D. Pierard, I. Wybo, S. Roisin
- P1601** **Development of a new molecular typing system for *Treponema pallidum* subsp. *pallidum***  
P. Bosshard\* (Zurich, Switzerland), L. Grillová, A. Gayet-Ageron, H. Bagheri, K. Nieselt, F. Gonzalez, D. Smajs, N. Arora
- P1602** **Analysis of the genetic diversity within *Helicobacter pylori* isolates from Iranian population by multi-locus sequence typing**  
N. Farzi\* (Tehran, Iran), A. Yadegar, M. Alebouyeh, M. Zali, L. Chamani-Tabriz
- P1603** **Analytical performance of cobas CT/NG for detection of *Chlamydia trachomatis* and *Neisseria gonorrhoeae* from urogenital specimens on the cobas 6800/8800 systems**  
E. Marlowe\* (Pleasanton, United States), D. Hardy, M. Krevolin, M. Lewinski, R. Arcenas
- P1604** **Development and application of real-time PCR assay for detection of mutations associated with macrolide resistance in *Mycoplasma pneumoniae* directly in clinical specimens**  
I. Edelstein\* (Smolensk, Russian Federation), A. Romanov, M. Edelstein, N. Mayanskiy, G. Kholodok, N. Alyabieva, T. Kulichenko, A. Babayan, N. Ivachnishina, S. Rachina, R. Kozlov

- P1605** **Comparison of methods available in clinical microbiology laboratories for *Mycobacterium chimaera* identification**  
E. Lecorche\* (Paris, France), F. Mougari, H. Sophie, L. Raskine, M. Laurent, E. Cambau
- P1606** **The isolation of non-tuberculous mycobacteria from a patient university hospital in northeastern part of Thailand**  
P. Ananta\* (Khon Kaen, Thailand)
- P1607** **Improved acquisition of protein spectra from *Mycobacterium* sp. liquid culture extracts by MALDI-TOF MS**  
M. Lucas Mejia\* (London, United Kingdom), R. Gorton, T. McHugh, E. Wey
- P1608** **Evaluation of a commercial real-time PCR for the simultaneous detection of *Helicobacter pylori* and clarithromycin resistance in a Belgian secondary healthcare centre**  
S. Gils\* (Bonheiden, Belgium), B. Van den Poel, I. Micalessi, P. Bossuyt, P. Christiaens, S. Carton, P. Cuyle, V. Moons, G. Van Olmen, A. Smismans, C. Bourgain, J. Frans
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- P080** **12:30 – 13:30**  
**Non-tuberculous mycobacteria now!**
- P1609** **First report of osteomyelitis caused by the novel species *Mycobacterium mantenii***  
F. Kontos\* (Athens, Greece), L. Sybardi, S. Tsiodras, V. Mollaki, H. Giamarellou, G. Petrikos, S. Pournaras
- P1610** **Epidemiology and clinical significance of non-tuberculous mycobacterial isolates in a university hospital in a ten-year period**  
F. Kontos\* (Athens, Greece), S. Pournaras
- P1611** **Bacteraemia caused by *Mycobacterium avium* complex species and antimicrobial susceptibility of the isolates**  
P. Hsueh\* (Taipei, Taiwan), M. Lee, J. Chien
- P1612** **Identification of *Mycobacterium avium* and *Mycobacterium intracellulare/chimaera* in clinical practice using probe data of the Xpert MTB/RIF assay**  
A. Colmant\* (Brussels, Belgium), E. Andre, L. Goeminne, L. Toussaint, F. Bressant, A. Zitouni, M. Teylaert, M. Vermeiren, A. Martin, A. Simon, B. Kabamba
- P1613** **The susceptibility testing of *Mycobacterium kansasii* strains isolated from patients between 2000 and 2015 in Poland**  
Z. Bakula\* (Warsaw, Poland), M. Modrzejewska, A. Podpora, A. Safianowska, T. Jagielski
- P1614** **Prevalence of non-tuberculous mycobacteria in suspected TB patients in Lambarene, Gabon**  
A. Alabi\* (Lambarene, Gabon), F. Foguim, G. MFoumbi, C. Mevyann, P. Achimi, R. Edoa, M. Loembe, U. Ateba-Ngoa, M. McCall, S. Janssen, S. Belard, A. Adegnika, B. Lell, K. Kranzer, P. Kremsner, M. Grobusch
- P1615** **Clinical isolations of non-tuberculous mycobacteria in Cali, Colombia**  
J. Garcia-Gomez\* (Cali, Colombia), K. Monroy, A. Restrepo-Cedeño, R. Pacheco
- P1616** **Oxygen is necessary for the bactericidal activity of amikacin on *Mycobacterium abscessus***  
M. Kolpen\* (Copenhagen, Denmark), T. Qvist, P. Jensen, N. Hoiby
- P1618** **Differential regulation of TLR2 and p38MAPK by avirulent strains of *M. avium hominissuis* impacts on neutrophil functional capacities**  
P. Hartmann\* (Cologne, Germany), A. Neu, A. Nowag, E. Van Gumpel, S. Winter, J. Rybniker, G. Plum
- P1619** **Identification, risk factors, and clinical features of *Mycobacterium avium* complex isolates in Cantabria, Spain**  
I. Perez del Molino\* (Santander, Spain), A. Aguirre Quinonero, J. Agüero
- P1620** **Murine infection with bioluminescent *M. ulcerans* shows late onset of immune response and lack of gastro-intestinal colonization**  
T. Omansen\* (Groningen, Netherlands), J. Porter, R. Marcsisin, B. Chua, Y. Stienstra, T. Van der Werf, T. Stinear
- P1621** **In vivo testing reveals high-dose rifamycins as best improvement for Buruli ulcer treatment**  
T. Omansen\* (Groningen, Netherlands), P. Converse, D. Almeida, S. Li, J. Lee, Y. Stienstra, T. Van der Werf, J. Grosset, E. Nuermberger
- P1622** **Susceptibility testing of non-tuberculous mycobacteria: an audit of standard operating procedures at a national reference laboratory**  
R. Buchanan\* (London, United Kingdom), E. Alexander

- P1623** **Drug susceptibility of non-tuberculous mycobacteria in East London: a four-year retrospective review**  
R. Buchanan\* (London, United Kingdom), E. Alexander
- P1624** **Low frequency of *Mycobacterium kansasii* isolates in a hospital in Madrid during a seven-year period**  
A. Martin\* (Madrid, Spain), A. Miqueleiz, B. Fernández Caso, L. Cardeñoso, D. Domingo
- P1625** **Non-tuberculous mycobacteria isolates in a paediatric cystic fibrosis unit in Madrid**  
A. Martin\* (Madrid, Spain), B. Hernández Milán, A. Miqueleiz, A. Blanco, L. Cardeñoso, D. Domingo
- P1626** **Pulmonary infection by *Mycobacterium avium-intracellulare* complex in a tertiary hospital**  
R. Escudero Sánchez\* (Madrid, Spain), F. Gioia, J. Fortun Abete, P. Martín-Dávila, J. Cobo, V. Pintado, E. Navas Elorza, C. Quereda, J. Hermida, F. Dronda, M. Tato, E. Gomez Mampaso, S. Moreno Guillén
- P1627** **Identification of non-tuberculous mycobacteria species by PCR-hybridization assay in Korean patients**  
C. Ahra\* (Yongin-Si, South Korea), K. Lee, H. Lim
- P1628** **Comparison of RGM medium and MGIT for isolation of mycobacteria from sputum of cystic fibrosis patients – preliminary results**  
A. Scohy\* (Brussels, Belgium), L. Toussaint, S. Gohy, F. Bressant, A. Zitouni, M. Teylaert, M. Vermeiren, A. Colmant, A. Aubriot, N. Bauwens, A. Simon, J. Perry, P. Lebecque, E. Andre
- P1629** **The drug susceptibility pattern of non-tuberculous mycobacteria from respiratory specimen in Korea**  
E. Cho\* (Seoul, South Korea), D. Song, H. Huh, W. Koh, C. Ki, N. Lee
- P1630** **Nation-wide analysis of clinical isolates of *M. intracellulare* and *M. abscessus* and prevalence of inducible macrolide resistance**  
S. Truden\* (Golnik, Slovenia), M. Zolnir-Dovc
- P1633** **Molecular biodiversity of *Mycobacterium tuberculosis* in Bulgaria: 2007–2016**  
S. Panaiotov\* (Sofia, Bulgaria), E. Bachiyska, S. Yordanova, Y. Atanasova, Y. Todorova, V. Levterova, N. Brankova, I. Simeonovski, A. Karcheva, R. Guislaine, C. Sola, T. Kantardjiev
- P1634** **A retrospective review of patients treated for pulmonary and extrapulmonary tuberculosis at St. George's University Foundation Hospital, London, UK**  
C. Mullender\* (London, United Kingdom), D. Kirwan, M. Peirse, A. Houston, C. Cosgrove
- P1635** **Dynamics of tuberculosis transmission in an Italian metropolitan area**  
M. Paglia\* (Rome, Italy), A. Cannas, S. Camassa, O. Butera, S. Pane, A. Mazzarelli, M. Sali, A. Di Caro, G. Delogu, E. Girardi
- P1636** **Typing of *Mycobacterium tuberculosis* with next-generation sequencing in routine diagnostics: a TB transmission cluster in a Swiss institution for further education**  
D. Meinel\* (Basel, Switzerland), S. Fuchs, M. Ledergerber, B. Martin, S. Tschudin Sutter, M. Battegay, P. Keller, A. Egli
- P1637** **TB incidence in Italians and foreign-born persons, northern Italy**  
A. Matteelli\* (Brescia, Italy), M. Magoni, A. Piro, A. Pontarelli, S. Capone, G. Sulis, F. Zahalka, P. Magro, M. Gulletta, L. Tomasoni, C. Scarcella
- P1638** **Value of MRI follow-up in central nervous system tuberculosis**  
M. Ben Jemaa\* (Sfax, Tunisia), C. Marrakchi, N. Amara, K. Makram, B. Hammami, I. Maaloul, D. Lahiani
- P1639** **Analysis on missed detection of mycobacteria in patients with pulmonary diseases in one non-TB-specialized hospital**  
X. Lu\* (Beijing, China), X. Li, S. Zhang, X. Li, W. Sui, Y. Tang, G. Dong
- P1640** **Characteristics and trends amongst those who died from tuberculosis over a 14 year period**  
D. Merriott\* (London, United Kingdom), A. Abbara, S. Williams, S. Collin, A. McGregor, L. John, R. Davidson, T. Corrah
- P1641** **Clinical characterization and predictors of mortality in critically ill patients with *Mycobacterium tuberculosis* infection**  
A. Atti\* (São Paulo, Brazil), V. Braion, Y. Ho

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# Tuberculosis: populations and patients

- P1632** **Molecular epidemiological perspective on the *Mycobacterium tuberculosis* population structure among immigrants in Lisbon, Portugal**  
J. Perdigao\* (Lisbon, Portugal), C. Pereira, R. Macedo, C. Silva, I. Portugal

- P1642** **Epidemiological features of extrapulmonary tuberculosis in a low-tuberculosis burden and high-immigrant receiving city of northern Italy**  
M. Maritati\* (Ferrara, Italy), M. Di Nuzzo, L. Massoli, A. Grilli, S. Io Menzo, C. Contini
- P1643** **Tuberculosis in chronic kidney disease and dialysis in a high-incidence UK city**  
E. Moran\* (Birmingham, United Kingdom), J. Baharani, M. Dedicoat, R. Ryan
- P1644** **Tuberculosis in candidates to haematopoietic stem cell transplantation: prevalence of latent infection and disease in children and adolescents admitted to a national referral centre in an intermediate-burden country**  
J. Torres Pérez\* (Berlin, Germany), J. Medina Parra, E. Ruge Joya, M. Rosero García, G. Camacho Moreno, M. Chaparro Alzogaray, M. Peñaloza
- P1645** **Culture-proven extra-pulmonary tuberculosis: drug susceptibility and genetic-profile analysis**  
D. Akyol\* (Izmir, Turkey), M. Taşbakan, D. Akdağ, M. Isikgöz Taşbakan, C. Çavuşoğlu
- P1646** **Transmission of *Mycobacterium bovis* in France: evolution and genetic diversity within human, cattle and wildlife compartments**  
A. Appelgren\* (Montpellier, France), M. Boschirola, M. Choisy, C. Carriere, M. Ponsoda, V. Jacoma, G. Panteix, D. Terru, N. Bouzinbi, J. Vendrell, D. Yann, J. Solassol, A. Banuls, G. Sylvain
- P1647** **High prevalence of tuberculosis in contacts of patients with extra-pulmonary tuberculosis: a retrospective, descriptive study in North West England**  
T. Wingfield\* (Liverpool, United Kingdom), P. MacPherson, A. Tucker, J. Walker, P. Ormerod, P. Cleary
- P1648** **Patients' need for enhanced case management correlates with risk of latent tuberculosis infection and active tuberculosis disease in their contacts: retrospective study in northwestern England**  
T. Wingfield\* (Liverpool, United Kingdom), P. MacPherson, A. Tucker, J. Walker, P. Ormerod, P. Cleary
- P1649** **VNTR-genotyping results for detecting *Mycobacterium* families among patients with primary resistant pulmonary tuberculosis in Kharkiv, Ukraine**  
O. Konstantynovska\* (Kharkiv, Ukraine)
- P1650** **Preliminary results for active tuberculosis case-finding among at-risk population groups in Mongolia**  
K. Roh\* (Seoul, South Korea), D. Choi, Y. Yang, S. Lee, S. Joo, S. Chang, B. Turbat, D. Naranzul
- P1651** **Molecular and epidemiological study of tuberculosis in South Wales**  
R. Jones\* (Llanelli, United Kingdom), A. Davies, T. Humphrey, L. Harris, T. Wilkinson, M. Hitchings, S. Morgan, M. Temple, M. Ruddy, M. Perry, S. Lingard
- P1652** **Outcome of HIV-tuberculosis co-infected patients in Finland**  
V. Holmberg\* (Helsinki, Finland), H. Soini, P. Kivelä, M. Ristola
- P1653** **Whole-genome sequencing enables differentiation of tuberculosis reinfection with strains bearing the same genotypic patterns**  
J. Diniz\* (Rio Grande do Sul, Brazil), J. Perdigao, D. Ramos, S. Campino, M. Viveiros, R. McNeerney, A. Pain, T. Clark, P. Almeida da Silva, A. Von Groll, I. Portugal
- P1654** **Insights from the molecular epidemiological analysis of tuberculosis relapse cases in Rio Grande do Sul, Brazil**  
J. Diniz\* (Rio Grande do Sul, Brazil), I. Bastos Ramis, F. Abilleira, C. Brum, A. von Groll, A. Silva, D. Ramos, D. Bierhals, A. Reis, C. Busatto, C. Pereira, J. Perdigao, M. Viveiros, I. Portugal, P. Almeida da Silva
- P1655** **Clinical outcomes of patients with central nervous system tuberculosis who were emergency and urgency-treated in a setting with a high tuberculosis prevalence**  
S. Kirdlarp\* (Bangkok, Thailand), S. Kiertiburanakul, S. Srichatrapimuk, A. Phuphuakrat
- P1656** **A retrospective case-control study of ante versus post-mortem tuberculosis diagnoses in North West England: characterizing an underserved group**  
F. Carlin\* (Liverpool, United Kingdom), P. Cleary, T. Wingfield
- P1657** **Analysis of QuantiFERON-TB Gold results obtained in routine for the diagnosis of tuberculosis infection**  
H. Benmansour\* (Paris, France), F. Mougari, R. Amarsy, F. Antoun, M. Micaelo, C. Charlois, L. Raskine, E. Cambau
- P1657A** **A retrospective review of patients treated for pulmonary and extrapulmonary tuberculosis at St. George's University Foundation Hospital, London, UK**  
C. Mullender\* (London, United Kingdom), D. Kirwan, M. Peirse, A. Houston, C. Cosgrove



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| P082                                                               | 12:30 – 13:30                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Tuberculosis: pathogenesis, diagnostics and drug-resistance</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| P1658                                                              | <b>New MYCO-TB kit: rapid and efficient digestion and decontamination of respiratory specimens for the detection of mycobacteria</b><br><i>G. Lombardi*</i> (Bologna, Italy), <i>P. Dal Monte</i> , <i>P. Monari</i> , <i>S. Bonora</i> , <i>M. Cordovana</i> , <i>F. Bisagnin</i> , <i>D. Lombardo</i> , <i>M. Landini</i>                                                                                                     |
| P1659                                                              | <b>Rapid determination of drug susceptibility of <i>Mycobacterium tuberculosis</i> by a bioluminescence-based assay</b><br><i>T. Kocagoz*</i> (Istanbul, Turkey), <i>E. Sever Arik</i> , <i>O. Karatuna</i>                                                                                                                                                                                                                     |
| P1660                                                              | <b>Molecular analysis of ethambutol and streptomycin-resistant <i>M. tuberculosis</i> strain in Iran</b><br><i>S. Zaker Bostanabad*</i> (Tehran, Iran), <i>A. Reza</i> , <i>N. Shahbazi</i> , <i>M. Ghalami</i>                                                                                                                                                                                                                 |
| P1661                                                              | <b>Detection of the Ile491Phe <i>rpoB</i> mutation of <i>Mycobacterium tuberculosis</i>, a rifampicin-resistance-conferring mutation undetected by the Xpert MTB/RIF and other commercial assays</b><br><i>L. Goeminne*</i> (Brussels, Belgium), <i>A. Colmant</i> , <i>P. Beckert</i> , <i>S. Niemann</i> , <i>M. Delmée</i> , <i>E. Andre</i>                                                                                 |
| P1662                                                              | <b>Comparison of Sensititre MYCOTB MIC plate and the BACTEC MGIT SIRE kit for the detection of isoniazid resistance in <i>Mycobacterium tuberculosis</i></b><br><i>E. Andre*</i> (Brussels, Belgium), <i>J. Kaisergruber</i> , <i>F. Bressant</i> , <i>A. Colmant</i> , <i>L. Goeminne</i> , <i>A. Martin</i> , <i>A. Simon</i>                                                                                                 |
| P1664                                                              | <b>Multi-drug-resistance in <i>Mycobacterium tuberculosis</i> strains collected from patients in the Ukraine</b><br><i>L. Daum*</i> (San Antonio, United States), <i>O. Konstantynovska</i> , <i>O. Liashenko</i> , <i>P. Poteiko</i> , <i>O. Solodiankin</i> , <i>V. Bolotin</i> , <i>B. Stegnyy</i> , <i>I. Hrek</i> , <i>A. Rohozhyn</i> , <i>N. Rudova</i> , <i>J. Rodriguez</i> , <i>G. Fischer</i> , <i>A. Gerilovych</i> |
| P1665                                                              | <b>Evaluation of clofazimine activity in the first-line regimen for tuberculosis treatment, with and without removal of pyrazinamide and ethambutol, in the mouse model</b><br><i>N. Ammerman*</i> (Baltimore, United States), <i>V. Saini</i> , <i>E. Bautista</i> , <i>T. Omansen</i> , <i>E. Nueremberger</i> , <i>J. Grosset</i>                                                                                            |
| P1666                                                              | <b>Modern lineages of <i>M. tuberculosis</i> show conserved metabolism and diverse cell walls</b><br><i>S. Hauck*</i> (Oxford, United Kingdom)                                                                                                                                                                                                                                                                                  |

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|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P1667 | <b>Diagnosis of <i>Mycobacterium</i> spp. infection by PCR: usefulness of paraffin-embedded tissue sections DNA extracts when fresh biopsy specimens are not available</b><br><i>J. Viñuelas*</i> (Zaragoza, Spain), <i>B. Vela</i> , <i>M. Gómara</i> , <i>E. Morilla</i> , <i>J. Sahagún</i> , <i>L. Ferrando</i> , <i>A. Lopez-Calleja</i> , <i>C. Villuendas Usón</i> , <i>R. Fernández</i> , <i>M. Revillo</i>                                 |
| P1668 | <b>Molecular drug susceptibility testing of active tuberculosis compared to traditional methods: an attempt to improve patient management</b><br><i>M. Paglia*</i> (Rome, Italy), <i>A. Vulcano</i> , <i>A. Cannas</i> , <i>O. Butera</i> , <i>S. Darezzo</i> , <i>A. Mazzarelli</i> , <i>C. Nisii</i> , <i>A. Toffoletti</i> , <i>C. Apollonio</i> , <i>C. Venditti</i> , <i>S. Pane</i> , <i>A. Piscini</i> , <i>E. Bordi</i> , <i>A. Di Caro</i> |
| P1669 | <b>Evaluation of whole-genome sequencing of <i>Mycobacterium tuberculosis</i> complex strains in a low-burden area</b><br><i>A. Gil Brusola*</i> (Valencia, Spain), <i>I. Cancino</i> , <i>M. Castano</i> , <i>Aroca</i> , <i>L. Villamayor</i> , <i>J. López-Hontangas</i> , <i>I. Comas</i>                                                                                                                                                       |
| P1670 | <b>Molecular-epidemiological characteristics of antituberculous-resistant <i>Mycobacterium tuberculosis</i> isolates identified in West Bohemian region of the Czech Republic</b><br><i>J. Amlerova*</i> (Plzen, Czech Republic), <i>D. Kralova</i> , <i>K. Chudejova</i> , <i>J. Hrabak</i>                                                                                                                                                        |
| P1672 | <b>Mycolactone production in <i>Mycobacterium tuberculosis</i> complex species</b><br><i>M. Karrasch*</i> (Jena, Germany), <i>P. Keller</i> , <i>B. Schneider</i> , <i>M. Lalk</i> , <i>M. Förster</i> , <i>P. Motedayen</i> , <i>E. Straube</i>                                                                                                                                                                                                    |
| P1673 | <b>Increased bactericidal effect with higher doses of rifampicin for tuberculosis patients revealed using mechanistic pharmacokinetic-pharmacodynamic modelling</b><br><i>R. Svensson*</i> (Uppsala, Sweden), <i>E. Svensson</i> , <i>R. Aarnoutse</i> , <i>A. Diacon</i> , <i>R. Dawson</i> , <i>S. Gillespie</i> , <i>M. Boeree</i> , <i>U. Simonsson</i>                                                                                         |
| P1674 | <b>A model-informed pre-clinical pharmacodynamic interaction approach predicts clinical interactions of three anti-tuberculosis drugs</b><br><i>O. Clewe*</i> (Uppsala, Sweden), <i>S. Wicha</i> , <i>C. de Vogel</i> , <i>J. de Steenwinkel</i> , <i>U. Simonsson</i>                                                                                                                                                                              |
| P1675 | <b>Phenotypically confirmed XDR-TB strains among MDR cultures with uncommon mutations in the <i>rpoB</i> gene</b><br><i>H. Vashista*</i> (New Delhi, India), <i>M. Hanif</i> , <i>S. Saini</i> , <i>K. Dwivedi</i> , <i>S. Sharma</i> , <i>A. Khanna</i> , <i>D. Shrivastava</i> , <i>K. Chopra</i>                                                                                                                                                 |

- P1676** **A multi-centre study comparing weekly versus monthly audiological monitoring for amikacin related ototoxicity in MDR-TB**  
A. Abbara\* (London, United Kingdom), A. Arnold, O. Kon, M. Lipman, S. Collin, S. Lang, A. Hussain, T. Hansel, T. Corrah, R. Davidson
- P1677** **High-resolution melting curve analysis for rapid detection of streptomycin and ethambutol resistance in *Mycobacterium tuberculosis***  
M. Feizabadi\* (Tehran, Iran), F. Rezaei, M. Haeli, A. Imani Fooladi
- P1678** **Evaluation of Xpert MTB/RIF for diagnosis of tubercular lymphadenopathy**  
A. Mittal\* (Ambala Cantt, India), S. Sharma, N. Nischal
- P1679** **Genetic characterization of drug-resistant *Mycobacterium tuberculosis* strains isolated from tuberculosis patients in a Korean tertiary hospital**  
K. Choi\* (Cheonan, South Korea), H. Kim, J. Jeon, J. Kim, G. Kwon, S. Koo
- P1680** **Evaluation of two novel decontamination methods for the recovery of *Mycobacterium tuberculosis* from clinically suspected pulmonary tuberculosis cases**  
S. Pottathil\* (Ambala, India), V. Singh
- P1681** **Double mutations in DNA gyrase leads to moxifloxacin resistance and decreased fitness in *Mycobacterium***  
B. Lang\* (Chengdu, China), L. Tao, J. Yuan
- P1682** **Comparisons of analysis methods for assessment of pharmacodynamic interactions including design recommendations**  
C. Chen\* (Uppsala, Sweden), S. Wicha, R. Nordgren, U. Simonsson
- P1683** **Bedaquiline's exposure-response relationship confirmed with data from the observational study C209**  
L. Tanneau\* (Uppsala, Sweden), M. Karlsson, E. Svensson
- P1684** **Development of a low-cost aerosol filter for detection of *Mycobacterium tuberculosis***  
N. Naik\* (Lima, Peru), G. Comina, G. Lee, G. Hernandez, S. Datta, E. Ramos, V. Paz-Soldan, R. Gilman, C. Evans, R. Oberhelman
- P1685** **Performance of QMAC DST, rapid drug susceptibility testing system for *Mycobacterium tuberculosis* integrated with MGIT960 culture**  
E. Kim\* (Seoul, South Korea), S. Shin, H. Kim, S. Kim, E. Jo, S. Lee, D. Kim, S. Kwon
- P1686** **Cross-transmission of multidrug-resistant tuberculosis (MDR TB) in a low-prevalence setting explored by whole-genome sequencing (WGS)**  
F. Ader\* (Lyon, France), O. Dumitrescu, J. Berland, C. Genestet, J. Claude, C. Ginevra, C. Pichat, M. Ponsoda, V. Jacomo, G. Lina
- P1687** **S100A12 is up-regulated in pulmonary tuberculosis and predicts the extent of alveolar infiltration on chest radiography: an observational study**  
H. Slevogt\* (Jena, Germany), L. Berrocal Almanza
- P1688** **Evaluation of the Xpert® MTB/RIF assay for the diagnosis of pulmonary tuberculosis in HIV-infected patients in an infectious diseases hospital in Brazil**  
R. Romi\* (São Paulo, Brazil), G. Klautau, W. Queiroz, S. Sakabe
- P1689** **Long non-coding RNA profile in tuberculosis and its clinical significance: potential biomarkers for tuberculosis disease**  
H. Xuejiao\* (Chengdu, China), J. Zhang, B. Ying
- P1690** **First report on characterization of phenol and flavonoid compounds of an edible mushroom showing antimycobacterial activity**  
D. Chatterjee\* (Kolkata, India), D. Halder, S. Das

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#### Antifungal drugs and treatment I

- P1691** **Peritoneal concentration of anidulafungin in patients with *Candida peritonitis***  
J. Fortun Abete\* (Madrid, Spain), A. Gomez Lopez, M. Alvarez, M. Buitrago, E. García G. de la Pedrosa, F. Gioia, R. Escudero Sánchez, P. Martín-Dávila, S. Moreno Guillen, M. Cuenca-Estrella
- P1692** **Isavuconazole protects immunosuppressed mice from pulmonary mucormycosis**  
A. Ibrahim\* (Torrance, United States), T. Gebremariam, S. Alkhazraji, C. Baldin, L. Kovanda, N. Wiederhold
- P1693** **Impact of different antimycotics on cytokine levels in an *in vitro* aspergillosis model in human whole blood**  
Z. Oesterreicher\* (Vienna, Austria), S. Strommer, M. Zeitlinger
- P1694** **Empiric piperacillin-tazobactam versus carbapenem in febrile neutropenia: increased incidence of invasive pulmonary aspergillosis**  
L. Chai\* (Singapore, Singapore)

- P1695** Utility of diarrhoea as a predictor of low posaconazole exposure with the oral tablet formulation  
*K. Urbancic\* (Melbourne, Australia), A. Stewardson, A. Grigg, K. Garrett, M. Grayson*
- P1696** *Candida haemulonii* complex: a little known *Candida*  
*C. Ruiz de Alegria Puig\* (Santander, Spain), J. Rodríguez-Lozano, J. Agüero*
- P1697** Studies on activity of azoles and essential oils alone and in combination against *Cryptococcus neoformans* clinical isolates  
*V. Tullio\* (Torino, Italy), D. Scalas, J. Roana, R. Tardugno, V. Ghisetti, S. Benvenuti, N. Mandras*
- P1698** Posaconazole serum concentration after intravenous application in patients on ICU  
*W. Heinz\* (Würzburg, Germany), D. Wichmann, A. Grau, H. Klinker, S. Kluge*
- P1699** Nanocomposite of graphen oxide and indolicidin peptide: study of inhibitory effect on *Candida albicans* and *Aspergillus* spp.  
*M. Roudbary\* (Tehran, Iran), A. Farzanegan, M. Falahati, S. Roudbarmohammadi*
- P1700** *In vivo* antifungal activities of novel azole compounds [ATTAF-1 and ATTAF-2] in a murine model of invasive candidiasis  
*H. Fakhim\* (Sari, Iran), E. Dannaoui, A. Vaezi, S. Emami, H. Badali*
- P1701** Clinical outcomes in patients with chronic pulmonary aspergillosis following discontinuation of therapy  
*D. Denning\* (Manchester, United Kingdom), F. Bongomin, C. Harris*
- P1702** Modifications of triazole therapy and clinical outcomes in chronic pulmonary aspergillosis  
*D. Denning\* (Manchester, United Kingdom), F. Bongomin, C. Harris*
- P1703** A national Spanish survey on strategies for management of invasive fungal infections (IFI) in high-risk haemato-oncologic patients  
*C. Vallejo\* (San Sebastián, Spain), E. Carreras*
- P1704** The activity of novel orotomide antifungal F901318 against Australian isolates of *Scedosporium* spp. and *Lomentospora prolificans*  
*D. Law\* (Manchester, United Kingdom), C. Biswas, S. Chen, C. Halliday, M. Slavin, M. Birch*
- P1705** Enhanced vincristine neurotoxicity in adult patients with haematological malignancies treated with fluconazole  
*F. Tissot\* (Lausanne, Switzerland), D. Spertini, O. Marchetti, T. Calandra, P. Bochud*
- P1706** Clinical characteristics and outcome of paediatric cancer patients with rhino-cerebral fungal infection  
*S. Abdallah\* (Cairo, Egypt), Y. Madney, M. Elanany, M. Romeih, L. Halaby, L. Shalaby*
- P1707** Determination of isavuconazole concentrations in human plasma using high-performance liquid chromatography  
*R. Jørgensen\* (Copenhagen, Denmark), K. Astvad, S. Andersen, M. Arendrup*
- P1708** Fluconazole versus echinocandins in treatment of invasive candidiasis: a nationwide, population-based study in Taiwan  
*Y. Huang\* (Taipei, Taiwan), C. Lai, S. Shi, C. Hsiung, Y. Chen*
- P1709** Decrease of invasive fungal disease incidence in children with malignancy or undergoing haematopoietic stem cell transplantation after introduction of national programme of antifungal prophylaxis with posaconazole  
*J. Styczynski\* (Bydgoszcz, Poland), K. Czyzewski, O. Gryniowicz-Kwiatkowska, A. Zaucha-Prazmo, L. Chelmecka-Wiktorczyk, J. Fraczkiewicz, M. Salamonowicz, A. Szmydki-Baran, R. Tomaszewska, O. Zajac-Spychala, N. Irga-Jaworska, M. Plonowski, T. Ociepa, F. Pierlejewski, Z. Gamrot-Pyka, Z. Malas, A. Urbanek-Dadela, J. Gozdzik, W. Stolpa, L. Gil*
- P1710** Multiple-dose pharmacokinetics of an immediate-release tablet formulation of F901318 in healthy male and female subjects  
*T. Kennedy\* (Manchester, United Kingdom), G. Allen, J. Steiner, M. Heep, J. Oliver, G. Sibley, D. Law*
- P1711** Assessment of the duration of infusion on the tolerability and repeat-dose pharmacokinetics of F901318 in healthy volunteers  
*T. Kennedy\* (Manchester, United Kingdom), G. Allen, J. Steiner, M. Heep, M. Birch*
- P1712** *In vitro* combination of isavuconazole with echinocandins against *Aspergillus* spp.  
*V. Courbin\* (Paris, France), A. Raffetin, V. Jullien, E. Dannaoui*
- P1713** Effect of SCY-078 on the pharmacokinetics of CYP2C8 substrate (rosiglitazone), results from a phase 1 clinical trial  
*D. Angulo Gonzalez\* (Jersey City, United States), G. Atiee, C. Corr, M. Willett, M. Murphy, S. Wring*

- P1714** **An intervention of active re-evaluation at 72h was correlated to a decrease of duration of antifungal therapy in patients with candidaemia**  
R. Murri\* (Rome, Italy), F. Taccari, I. Mastrorosa, T. Spanu, F. Giovannenze, S. Lardo, G. Scoppettuolo, G. Ventura, P. Claudia, B. Fiori, M. Sanguinetti, R. Cauda, M. Fantoni
- P1715** **Serum posaconazole concentration among haematological cancer patients using delayed-release tablets: a single-centre experience in Taiwan**  
Y. Wang\* (Taipei, Taiwan), P. Chen, C. Tsai, S. Lin, C. Tai
- P1716** **An *in vitro* pharmacokinetic/pharmacodynamic model predicts *in vivo* exposure-response relationship of micafungin against *Candida albicans***  
M. Beredaki\* (Athens, Greece), D. Andes, J. Mouton, S. Pournaras, J. Meletiadis
- P1717** **Pharmacodynamics of APX001A, the active moiety of APX001, in pulmonary and nasal *in vitro* models of invasive aspergillosis**  
C. Negri\* (Liverpool, United Kingdom), L. McEntee, A. Johnson, S. Whalley, A. Santoyo-Castelazo, A. Colombo, W. Hope
- P1718** **The posaconazole tablet in common practice**  
C. Lecefel\* (Paris, France), M. Salles, L. Goldwirt, H. Sauvageon, B. Denis, T. Sophie
- P1719** **NP339 as a novel approach against respiratory fungal infections**  
L. Katvars\* (Aberdeen, United Kingdom), D. Smith, V. Duncan, L. Simpson, D. Fraser-Pitt, B. Enderby, N. Withers, C. Sheldon, C. Aukland, P. Oades, D. O'Neil
- P1720** **Antifungal activity of NP339 *in vivo* in respiratory models of fungal infection**  
D. Mercer\* (Aberdeen, United Kingdom), V. Duncan, L. Katvars, D. Smith, T. Shaw, K. Holden, P. Warn, D. O'Neil
- P1722** **Evaluation of the safety and tolerance of micafungin vs other antifungals in patients with pre-existing child B or C liver disease**  
A. Vena\* (Madrid, Spain), P. Muñoz, M. Bassetti, F. Menichetti, M. Merrelli, S. Grau, J. Fortun Abete, J. Aguado Garcia, E. Muñoz, F. Bonache-Bernal, P. Merino, I. Sanchez-Romero, E. Bouza Santiago
- P1723** **A developmental strategy of oral vaccines against candidiasis using molecular display technology and time-course proteomics**  
S. Shibasaki\* (Kobe, Japan), M. Ueda
- P1724** **Conceptual framework for the design of individualized anti-infective impregnated bone cement: a voriconazole example**  
A. Farkas\* (Bloomington, United States), A. Koo, C. Stavropoulos, D. Unis, G. Mckinley
- P1725** **Clinical and immunological features of invasive aspergillosis in patients with multiple myeloma**  
N. Klimko\* (St. Petersburg, Russian Federation), G. Rysev, D. Shadrivova, E. Frolova, A. Uchevatkina, L. Filippova, A. Volkova, M. Popova, T. Bogomolova, L. Zubarovskaya, B. Afanasyev, N. Vasiljeva
- P1726** **Comparison of different methods to determine antifungal susceptibility of *Candida* species isolated from urine samples**  
B. Borsa\* (Istanbul, Turkey), A. Baris, M. Aldag, S. Sen
- P1727** **Antifungal activity of essential oil of *Myrtus communis* against *Malassezia* spp. isolated from the skin of patients with pityriasis versicolor**  
A. Barac\* (Belgrade, Serbia), S. Rubino, M. Pekmezovic, I. Milosevic, A. Radovanovic Spurnic, G. Stevanovic
- P1728** **Drug monitoring and treatment adherence of posaconazole tablet for prophylaxis of invasive fungal infection in haematological patients, a prospective monocentric observational study of 50 cases (POSANANTES)**  
G. Deslandes\* (Nantes, France), C. Chauvin, M. Paré, A. Garnier, T. Guillaume, P. Moreau, P. Chevallier, T. Gastinne, P. Peterlin
- P1729** **Invasive candidiasis in patients with solid tumours treated with anidulafungin: efficacy analysis from six pooled studies**  
F. de Rosa\* (Turin, Italy), M. Capparella, J. Yan, J. Aram
- P1730** **Clinical experience with novel posaconazole formulations: a retrospective, multi-centre analysis of patients treated in German hospitals**  
S. Heimann\* (Cologne, Germany), W. Heinz, T. Rachow, J. Kessel, O. Cornely, J. Vehreschild

P084 12:30 – 13:30

## Antifungal drugs and treatment II

- P1721** **Utility of therapeutic drug monitoring of triazole anti-fungal drugs in the treatment and prophylaxis of invasive fungal infections**  
A. Kwa\* (Singapore, Singapore), Y. Zhou, S. Tang, G. Ong, T. Lim, J. Lim, S. Tan, O. Lai, N. Chua, C. Lim, Y. Liew, W. Lee, G. Wong, P. Chlebicki

- P1731** **Pharmacoeconomic evaluation of antifungal prophylaxis with micafungin in patients undergoing allogeneic stem cell transplantation**  
*S. Heimann\* (Cologne, Germany), D. Cornely, H. Wisplinghoff, M. Vehreschild, M. von Bergwelt-Baildon, C. Scheid, J. Vehreschild*
- P1732** **Amphotericin B-loaded PMMA cement strongly inhibits *Candida* biofilm formation**  
*M. Czuban\* (Berlin, Germany), M. Di Luca, A. Trampuz*
- P1733** **Caspofungin show poor penetration into cerebrospinal fluid following intravenous administration of standard doses**  
*V. Strenger\* (Graz, Austria), F. Farowski, C. Müller, N. Hofer, H. Dornbusch, D. Sperl, H. Lackner, M. Benesch, C. Urban*
- P1734** **Comparison of isavuconazole and other azoles with respect to physicochemical and pharmacokinetic properties affecting tissue penetration**  
*P. Larger\* (Basel, Switzerland), U. Wenzler, A. Schmitt Hoffmann*
- P1735** **An investigation of antifungal stewardship programmes in England**  
*D. Enoch\* (Cambridge, United Kingdom), C. Micallef, D. Ashiru-Oredope, S. Hansraj, D. Denning, S. Agrawal, R. Manuel, S. Schelenz, B. Muller-Pebody, R. Patel, P. Howard, S. Hopkins, E. Johnson*
- P1736** **Voriconazole in the treatment of *Candida* osteo-articular infection. Our experience of 8 cases**  
*E. Marchionni\* (Bologna, Italy), E. Zamparini, L. Bussini, E. Vanino, M. Giannella, P. Viale*
- P1737** **An open-label study in healthy volunteers to evaluate the potential for cytochrome P450 3A4 inhibition by F901318 using oral midazolam as a probe**  
*T. Kennedy\* (Manchester, United Kingdom), G. Allen, J. Steiner, J. Oliver, M. Birch, G. Sibley, D. Law*
- P1738** **The effect of SCY-078 on the pharmacokinetics of tacrolimus, the results of a phase 1 drug-drug interaction clinical trial**  
*D. Angulo Gonzalez\* (Jersey City, United States), G. Atiee, C. Corr, M. Willett, M. Murphy, S. Wring*
- P1739** **Antifungal treatment in haematological patients: is there a need for a stewardship programme?**  
*S. Lachenmayr\* (Munich, Germany), K. Berger, S. Berking, H. Horns, D. Strobach, H. Ostermann*
- P1740** **The cost of treating invasive mould disease caused by *Aspergillus* and other filamentous fungi with isavuconazole compared with liposomal amphotericin B followed by posaconazole in the United Kingdom**  
*D. Kuessner\* (Basel, Switzerland), E. Bagshaw, D. Enoch, P. Micallef-Eynaud, M. Blackney, J. Posthumus, C. Longshaw*
- P1741** **Modelling of antifungal treatment with azoles and essential oils for non-albicans *Candida* spp. causing vulvo-vaginal infections**  
*S. Otasevic\* (Niš, Serbia), S. Momčilović, A. Trajkovic, V. Arsic-Arsenijevic*
- P1742** **A multicentre, randomized, evaluator-blinded, active-controlled study to evaluate the safety and efficacy of oral SCY-078 in subjects with moderate to severe vulvovaginal candidiasis**  
*S. Helou\* (Jersey City, United States)*
- P1743** **Posaconazole for salvage treatment of invasive aspergillosis in refractory patients**  
*A. Sung\* (Kenilworth, United States), F. Bourhis, A. Hirst*
- P1744** ***Rhinocladia mackenziei* brain abscesses: successful management of a rare and deadly disease**  
*C. Warrell\* (London, United Kingdom), M. Brown, G. Samandouras, C. Curtis*
- P1745** **Design and preparation of mesoporous carrier for itraconazole delivery**  
*F. Haghighi\* (Tehran, Iran), S. Roudbarmohammadi, I. Haririan, M. Khoobi, M. Porgham*
- P1746** **Effects of antifungals on acquisition of drug-resistance and breakthrough infection in a *Candida glabrata* gastrointestinal colonization model**  
*K. Healey\* (Newark, United States), Y. Zhao, Y. Nagasaki, S. Park, D. Perlin*
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- P085** **12:30 – 13:30**
- Antifungal resistance**
- P1747** **Comparison of EUCAST and CLSI breakpoints for interpretation of echinocandins MIC tested by Sensititre Yeast One among *Candida albicans* isolates of the FUNGINOS candidaemia study**  
*A. Kritikos\* (Lausanne, Switzerland), D. Sanglard, R. Frei, K. Mühlethaler, J. Schrenzel, R. Zbinden, N. Khanna, J. Garbino, C. Van Delden, S. Zimmerli, A. Imhof, C. Ruef, J. Fehr, K. Boggian, U. Flueckiger, A. Conen, P. Bochud, T. Calandra, O. Marchetti, F. Lamoth*



- P1748** **Monitoring echinocandin and azole susceptibility in a global collection of invasive fungal isolates**  
M. Castanheira\* (North Liberty, United States), L. Deshpande, A. Davis, P. Rhomberg, M. Pfaller
- P1749** **A new method for determination of ECOFFs of antifungal drugs and *Candida* species with EUCAST methodology**  
J. Meletiadis\* (Nijmegen, Netherlands), I. Breuker, J. Meis, J. Mouton
- P1750** **Evaluation and standardization of a screening method for the detection of azole resistant *Aspergillus fumigatus***  
J. Meletiadis\* (Nijmegen, Netherlands), L. Kanioura, H. Van der Lee, P. Verweij, J. Mouton, M. Arendrup
- P1751** **Antifungal resistance in Spain: epidemiological survey in 10 hospitals (FILPOP2 STUDY)**  
A. Alastruey-Izquierdo\* (Majadahonda, Spain), L. Alcazar-Fuoli, O. Rivero-Menéndez, M. Zapico Gonzalez, J. Ayats, J. Garcia-Rodriguez, M. Martin, E. Martín-Mazuelos, T. Pelaez Garcia, J. Pemán, A. Rezusta, S. Rojo, R. Tejero-García, M. Cuenca-Estrella
- P1752** **Screening for azole-resistant *Aspergillus fumigatus* in environmental samples in Slovenia**  
R. Tomazin\* (Ljubljana, Slovenia), U. Deželak, M. Pirs, L. Gregorič, T. Matos
- P1753** **First report of echinocandin resistance in *Candida tropicalis* and *Candida glabrata* isolates causing invasive candidiasis from mainland China**  
M. Xiao\* (Beijing, China), X. Fan, X. Hou, H. Wang, F. Kong, S. Chen, Y. Xu
- P1754** **Emergence of echinocandin resistance in a patient with chronic pulmonary aspergillosis**  
C. Jimenez-Ortigosa\* (Newark, United States), C. Moore, D. Denning, D. Perlin
- P1755** **The G458S aminoacid substitution in the lanosterol 14- $\alpha$  demethylase (Erg11p) is involved in azole resistance in *Candida orthopsilosis***  
M. Florent\* (Nantes, France), U. Binder, C. Loge, D. Graessle, M. Bodin, C. Lass-Flörl, P. Le Pape
- P1756** **Molecular mechanisms of azole resistance in clinical isolates of *Candida orthopsilosis***  
B. Posteraro\* (Rome, Italy), E. Mello, A. Vella, E. De Carolis, M. Sanguinetti
- P1757** **Azole-resistant *Aspergillus fumigatus* at a university hospital in Belgium: a laboratory-based surveillance**  
M. Montesinos Hernández\* (Brussels, Belgium), M. Argudin Regueriro, M. Dodemont, C. Dagyan, M. Bakkali, I. Etienne, M. Hites, S. Patteet, K. Lagrou
- P1758** **Factors associated with antifungal resistant candidaemia in second referral hospital in Karawaci district, Tangerang, Banten, Indonesia**  
A. Kurniawan\* (Tangerang, Indonesia), C. Cucunawangsih, N. Lugito
- P1759** **EUCAST susceptibility testing of APX001A: impact of choice of microtitre plate type, dilution method and plate storage**  
K. Jørgensen\* (Copenhagen, Denmark), M. Arendrup
- P1760** **Synergistic activity of micafungin plus voriconazole against multidrug-resistant *Candida auris***  
H. Fakhim\* (Sari, Iran), A. Chowdhary, J. Meis, A. Vaezi, H. Badali
- P1761** **Activity of SCY-078 against *Candida* spp. obtained by EUCAST and CLSI procedures**  
J. Guinea\* (Madrid, Spain), L. Marcos-Zambrano, P. Escribano, E. Bouza Santiago
- P1762** **The novel oral glucan synthase inhibitor SCY-078 shows *in vitro* activity against *Candida* spp. bio-films**  
J. Guinea\* (Madrid, Spain), L. Marcos-Zambrano, M. Gomez-Perosanz, P. Escribano, E. Bouza Santiago
- P1763** ***Candida glabrata* can acquire *in vitro* resistance to echinocandins after exposure to low micafungin concentrations**  
M. Bordallo\* (Madrid, Spain), J. Diaz-Garcia, L. Marcos-Zambrano, E. García G. de la Pedrosa, R. Canton Moreno, E. Bouza Santiago, J. Guinea
- P1764** **Impact of *Candida* species colonization and azoles resistance in a neonatal intensive care unit**  
D. Geraci\* (Palermo, Italy), D. Vecchio, G. Graziano, L. Saporito, V. Insinga, C. Maida, M. Torregrossa, F. Vitale, G. Corsello, M. Giuffè
- P1765** **Molecular epidemiology and azole resistance mechanism study of *Candida guilliermondii* from a Chinese surveillance system**  
M. Zhou\* (Beijing, China), J. Cheng, Y. Xu
- P1766** **High activity of two new imidazoles (lanoconazole and luliconazoles) against *Aspergillus flavus* isolates**  
M. Hedayati\* (Sari, Iran), M. Taghizadeh, V. Moqarabzadeh, S. Ansari, S. Mahdavi Omran, H. Zarinfar, S. Saber, P. Verweij, D. Denning, S. Seyedmousavi

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|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P1767</b> | <b>Mutations in the drug-resistance transcription factors <i>TAC1</i>, <i>MRR1</i> and <i>UPC2</i> and <i>in vivo</i> pathogenicity of fluconazole-resistant clinical isolates of <i>Candida albicans</i></b><br><i>J. Shin*</i> [Gwangju, South Korea], <i>M. Choi</i> , <i>E. Won</i> , <i>M. Joo</i> , <i>S. Kim</i> , <i>M. Shin</i> , <i>S. Suh</i>                                 | <b>P1776</b>                           | <b><i>In vitro</i> antifungal susceptibility profiles of nine antifungal drugs against global collection of genotyped <i>Hortaea werneckii</i> isolates</b><br><i>S. Khodavaisy*</i> [Ghorveh, Iran], <i>J. Meis</i> , <i>G. de Hoog</i> , <i>H. Badali</i>                                                                                                                                                              |
| <b>P1768</b> | <b>Rapid detection of resistance to fluconazole and caspofungin in <i>Candida albicans</i> by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry</b><br><i>M. Vatanashenas*</i> [Utrecht, Netherlands], <i>K. Sparbier</i> , <i>M. Kostrzewa</i>                                                                                                               | <b>P1777</b>                           | <b>Molecular mechanisms and clinical features of fluconazole-resistant <i>Candida</i> spp.</b><br><i>J. Teo*</i> [Singapore, Singapore], <i>S. Lee</i> , <i>R. Lim</i> , <i>Y. Cai</i> , <i>T. Lim</i> , <i>W. Lee</i> , <i>A. Tan</i> , <i>P. Chlebicki</i> , <i>T. Tan</i> , <i>A. Kwa</i>                                                                                                                             |
| <b>P1769</b> | <b>Characterization of clinical isolates of <i>Aspergillus terreus</i> in Korean hospitals: antifungal susceptibilities, genetic relatedness and virulence in a <i>Galleria mellonella</i> model</b><br><i>E. Won*</i> [Gwangju, South Korea], <i>M. Choi</i> , <i>S. Byun</i> , <i>S. Kim</i> , <i>S. Jang</i> , <i>J. Shin</i>                                                         | <b>P1778</b>                           | <b>Antifungal drug susceptibility testing in <i>Malassezia</i> spp.</b><br><i>C. Leong*</i> [Zurich, Switzerland], <i>A. Buttafuoco</i> , <i>M. Glatz</i> , <i>P. Bosshard</i>                                                                                                                                                                                                                                           |
| <b>P1770</b> | <b>Emergence of voriconazole-resistant isolates of <i>Aspergillus flavus</i> in Korean hospitals: resistance mechanisms and microsatellite typing analysis</b><br><i>M. Choi*</i> [Gwangju, South Korea], <i>J. Shin</i> , <i>E. Won</i> , <i>Y. Park</i> , <i>M. Joo</i> , <i>S. Byun</i> , <i>S. Kim</i> , <i>M. Shin</i> , <i>S. Suh</i>                                              | <b>P1779</b>                           | <b>Optimized growth condition in dermatophyte drug susceptibility testing for broth microdilution methods</b><br><i>C. Leong*</i> [Zurich, Switzerland], <i>R. Curatolo</i> , <i>M. Glatz</i> , <i>P. Bosshard</i>                                                                                                                                                                                                       |
| <b>P1771</b> | <b>Prevalence of <i>Candida glabrata</i> strains carrying transcription factor <i>pdr1</i> mutations and mismatch repair gene <i>msh2</i> mutations in bloodstream isolates from seven hospitals in Korea</b><br><i>S. Byun*</i> [Gwangju, South Korea], <i>J. Shin</i> , <i>M. Kim</i> , <i>W. Lee</i> , <i>K. Lee</i> , <i>H. Lee</i> , <i>M. Choi</i> , <i>E. Won</i> , <i>S. Kim</i> | <b>P1780</b>                           | <b>Surveillance of azole-antifungal drug-resistance among environmental and clinical isolates of <i>Aspergillus fumigatus</i> in a French university hospital during major deconstruction works</b><br><i>S. Loeffert*</i> [Lyon, France], <i>L. Henaff</i> , <i>D. Dupont</i> , <i>A. Bienvenu</i> , <i>C. Dananché</i> , <i>P. Cassier</i> , <i>T. Bénét</i> , <i>M. Wallon</i> , <i>M. Gustin</i> , <i>P. Vanhems</i> |
| <b>P1772</b> | <b>Prevalence and genotype distribution of fluconazole-resistant <i>Candida parapsilosis</i> bloodstream isolates recovered from Korean hospitals</b><br><i>Y. Choi*</i> [Gwangju, South Korea], <i>J. Shin</i> , <i>M. Choi</i> , <i>S. Byun</i> , <i>E. Won</i> , <i>S. Kee</i> , <i>S. Kim</i> , <i>M. Shin</i> , <i>S. Suh</i> , <i>K. Lee</i> , <i>Y. Kim</i>                       | <b>P1781</b>                           | <b>Microsatellite typing and epidemiology of <i>Aspergillus fumigatus</i> clinical isolates in Korea</b><br><i>S. Kim*</i> [Hwasun, South Korea], <i>E. Won</i> , <i>Y. Choi</i> , <i>M. Choi</i> , <i>S. Byun</i> , <i>J. Shin</i>                                                                                                                                                                                      |
| <b>P1773</b> | <b>High prevalence of triazole-resistant <i>Aspergillus fumigatus</i> isolates in Iran: is it a challenging issue?</b><br><i>M. Nabili*</i> [Sari, Iran], <i>H. Badali</i> , <i>T. Shokohi</i> , <i>M. Moazeni</i>                                                                                                                                                                       | <b>P1782</b>                           | <b>Low rates of voriconazole resistance and absence of <i>cyp51A</i> mutations among <i>A. fumigatus</i> recovered from lung transplant recipients receiving prophylaxis</b><br><i>M. Nguyen*</i> [Pittsburgh, United States], <i>D. Nguyen</i> , <i>C. Clancy</i> , <i>S. Cheng</i>                                                                                                                                     |
| <b>P1774</b> | <b>Expression patterns of ABC transporter genes in fluconazole-resistant <i>Candida glabrata</i></b><br><i>M. Moazeni*</i> [Sari, Iran], <i>A. Abdollahigohar</i> , <i>H. Badali</i> , <i>T. Shokohi</i> , <i>M. Nabili</i>                                                                                                                                                              | <b>P1783</b>                           | <b>Species distribution and antifungal susceptibility testing of <i>Aspergillus</i> section <i>Nigri</i> isolates from medical samples</b><br><i>A. Fekkar*</i> [Paris, France], <i>B. Carrara</i> , <i>O. Said</i> , <i>S. Imbert</i> , <i>I. Meyer</i> , <i>M. Palous</i> , <i>M. Florent</i> , <i>P. Le Pape</i> , <i>M. Sasso</i> , <i>L. Lachaud</i> , <i>M. Cornet</i> , <i>D. Maubon</i>                          |
| <b>P1775</b> | <b>Evaluation of isavuconazole MIC strips for susceptibility testing of <i>Aspergillus</i> and <i>Scedosporium</i> species</b><br><i>L. Trovato*</i> [Catania, Italy], <i>A. Di Giovanni</i> , <i>A. Santerre Henriksen</i> , <i>S. Oliveri</i>                                                                                                                                          | <b>P086</b>                            | <b>12:30 – 13:30</b>                                                                                                                                                                                                                                                                                                                                                                                                     |
|              |                                                                                                                                                                                                                                                                                                                                                                                          | <b>Skin and soft-tissue infections</b> |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|              |                                                                                                                                                                                                                                                                                                                                                                                          | <b>P1784</b>                           | <b>Chitin-based bionanocomposites for wound-healing applications</b><br><i>A. Grumezescu*</i> [Bucharest, Romania], <i>A. Holban</i> , <i>R. Popescu</i> , <i>O. Fufă</i> , <i>P. Balaure</i>                                                                                                                                                                                                                            |

- P1785** **Septic bursitis: a retrospective study of 89 patients**  
M. Dupon\* (Bordeaux, France), H. Dutronc, L. Le Clerc de Bussy, F. Dauchy, C. Cazanave, G. Wirth, C. Richez
- P1786** **Pyoderma outbreak among families of kindergarten children: association with a Panton-Valentine leucocidin (PVL)-producing *S. aureus* strain**  
R. Leistner\* (Berlin, Germany), R. Krüger, S. Schneider-Burrus, L. Hanitsch
- P1787** **Recognizing the relevance: a case of granulomatous mastitis associated with *Corynebacterium krop-penstedtii* infection**  
R. Waldron\* (Galway, Ireland), B. Boyle, D. Al-Azawi, B. O'Connell
- P1788** ***Staphylococcus* skin abscess after insect bite in returning travellers from Africa. Not just a simple spider bite**  
F. de la Calle Prieto\* (Madrid, Spain), E. Trigo Esteban, C. Crespillo-Andújar, A. Sarria, M. Arsuaga Vicente, M. Diaz-Menendez
- P1789** **Compromised wound-healing in BALB/c mice with local *Pseudomonas aeruginosa* biofilm infection**  
H. Trøstrup Pedersen\* (Copenhagen, Denmark), C. Johann Lerche, L. Christophersen, K. Thomsen, P. Jensen, H. Hougen, N. Hoiby, C. Moser
- P1790** **Characterization of a murine model of skin abrasion infected with *Staphylococcus aureus* to evaluate the efficacy of the photodynamic therapy with hypericin.**  
R. Lopez-Rojas\* (Seville, Spain), S. Ballesta-Mudarra, E. Ortíz-Ariza, E. Carmona-Pinelo, A. Ramírez-Blanquet, J. Rodríguez-Baño, A. Pascual Hernandez, I. García
- P1791** **Diabetic foot: an algorithm for the empiric antibiotic therapy**  
L. Clemente\* (Monfalcone, Italy), E. Castro Silva, R. Da Ros, F. Fontana
- P1792** **Panton-Valentine leucocidin-positive CC121 strain methicillin-sensitive *Staphylococcus aureus* is associated with pyomyositis in Cambodian children**  
C. Moore\* (Oxford, United Kingdom), B. Young, S. Soeng, P. Sar, V. Kumar, V. Sar, S. Hor, R. Bousfield, K. Emary, E. Nickerson, N. Stoesser, C. Parry, N. Day, D. Wilson
- P1793** ***Corynebacterium* associated with prolonged antibiotic treatment and recurrence in complicated mastitis**  
S. Pan\* (Taipei, Taiwan), W. Huang, G. Chen, S. Chang
- P1794** **The utility of performing blood cultures in patients with skin and soft tissue infections**  
K. Marlot\* (Amsterdam, Netherlands), F. Van Daalen, S. Geerlings, J. Prins
- P1795** **Review from the French national reference centre for streptococci: a 10-year survey of invasive group B streptococcal infections (2006–2015)**  
A. Tazi\* (Paris, France), C. Plainvert, C. Hays, N. Dmytruk, A. Frigo, S. Kerneis, P. Morand, J. Raymond, C. Poyart
- P1796** **Cellulitis of the trunk: do these patients need a different diagnostic and management approach?**  
A. Zalmanovich\* (Kfar Saba, Israel), M. Lishner, S. Reisfeld
- P1797** **Identification of necrotizing dermohypodermatitis and fasciitis causative microbial agents by targeted and shotgun metagenomic**  
C. Rodriguez\* (Créteil, France), C. Rodriguez, A. Jary, E. Sbidian, M. Desroches, E. Sitterlé, C. Hua, J. Pawlotsky, O. Chowsidow, J. Decusser
- P1798** **Necrotizing otitis externa: retrospective review of 24 patients**  
L. Maynard Smith\* (London, United Kingdom), R. Nash, S. Saeed, S. Logan, T. Patel
- P1799** **A double-blind randomized controlled trial of ibuprofen compared with placebo for uncomplicated cellulitis of the upper or lower limb**  
J. Davis\* (Newcastle, Australia), C. Mackrow, P. Binks, W. Fletcher, P. Dettwiller, C. Marshall, J. Day, W. Pratt, S. Tong
- P1800** **Skin infections at a major referral hospital in France from 2015 to 2016**  
M. Angelakis\* (Marseille, France), D. Raoult
- P1801** **Aetiology and clinical features of facial cellulitis: a prospective study**  
E. Rath\* (Bergen, Norway), S. Skrede, H. Mylvaganam, T. Bruun
- P1802** **Effectiveness of clindamycin and epidemiology of invasive beta-haemolytic streptococcal infections in a region of eastern Canada, 1996–2016**  
A. Couture-Cossette\* (Sherbrooke, Canada), J. Pépin, C. Desruisseaux, A. Mercier, A. Carignan, L. Valiquette
- P1803** **Complicated skin and skin structure infections treated in the telavancin observational use registry (TOUR™)**  
B. Castaneda-Ruiz\* (South San Francisco, United States), T. Cross, J. Storm, D. Graham, C. Lucasti, A. Hassoun, A. Bressler, L. Cochran, A. Osmukhina

**P1804** International validation of a risk-assessment tool for methicillin-resistant *Staphylococcus aureus* acute bacterial skin and skin-structure infections  
T. Trinh\* (Detroit, United States), E. Zasowski, K. Claeys, M. Dryden, S. Shlyapnikov, M. Bassetti, A. Carnelutti, N. Khachatryan, A. Kurup, A. Pulido-Cejudo, L. Melo, B. Cao, M. Rybak

**P087** 12:30 – 13:30

**Progress in bone and joint infections**

**P1805** Dalbavancin for treatment of implant-related methicillin-resistant *Staphylococcus aureus* osteomyelitis in an experimental rat model  
W. Poepl\* (Vienna, Austria), M. Kussmann, F. Berndt, L. Veletzky, V. Reischer, M. Obermüller, H. Burgmann

**P1806** Bugs in bones: analysis of the microbiological pattern of 997 prosthetic joint infections  
V. Zeller\* (Paris, France), L. Lhotellier, V. Meyssonier, B. Heym, S. Marmor, N. Desplaces

**P1807** Bone-device infections treated with antibiotic therapy including clindamycin: patients outcome and risk/benefit ratio in real-life care  
G. Bart\* (Nantes, France), A. Le Bourgeois, S. Corvec, S. Touchais, B. Le Goff, L. Happe, D. Navas, D. Boutolle, N. Asseray Madani

**P1808** Performance of the alpha-defensin lateral flow test for diagnosis of hip and knee periprosthetic joint infections  
N. Renz\* (Berlin, Germany), K. Yermak, C. Perka, A. Trampuz

**P1809** Risk factors of longer hospital stays in paediatric bone and joint infections in France  
L. Bernard\* (Tours, France), E. Laurent, L. Petit, Z. Maakaroun-Vermesse, L. Godillon, C. Bonnard, E. Rusch, T. Odent, L. Grammatico-Guillon

**P1810** Staphylococcal vertebral osteomyelitis: differences between *Staphylococcus aureus* and *Staphylococcus coagulase-negative* infections  
M. Amsilli\* (La Tronche, France), O. Epaulard

**P1811** An assessment of prosthetic joint infection risk: a single-centre analysis  
L. Cottom\* (Glasgow, United Kingdom), P. Wright

**P1812** Diagnosis of prosthetic joint infection by a novel multiplex PCR  
S. Karbysheva\* (Barnaul, Russian Federation), E. Maiolo, A. Trampuz, L. Grigoricheva, O. Michaylova, I. Ignatenko

**P1813** Review of spinal infections presenting to a territory referral hospital in Ireland 2005–2015  
Z. Al Balushi\* (Cork, Ireland), A. Doherty, M. Horgan

**P1814** Clinical experience with telavancin for the treatment of patients with bone and joint infections: preliminary results from the telavancin observational use registry (TOUR™)  
B. Castaneda-Ruiz\* (South San Francisco, United States), C. Sims, D. Graham, A. Bressler, M. Lacy, A. Osmukhina

**P1815** Clinical features, therapy and outcome of native septic arthritis involving large peripheral joints: a contemporary series in adult patients  
L. Gutierrez Fernandez\* (Barcelona, Spain), D. Rodríguez-Pardo, C. Pigrau, P. Corona, C. Amat, L. Carrera, M. Lung, B. Almirante

**P1816** Clinical characteristics and treatment outcomes of spondylodiscitis – a retrospective, cohort study  
M. Ajdukovic\* (Zagreb, Croatia), I. Puljiz

**P1817** High failure rate in streptococcal periprosthetic joint infection: results from a 7-year retrospective cohort study  
S. Feihl\* (Berlin, Germany), D. Akgün, N. Renz, C. Perka, A. Trampuz

**P1818** Is C-reactive protein a good predictor of treatment failure in prosthetic joint infections treated with debridement and implant retention?  
J. Horcjada\* (Barcelona, Spain), L. Sorlí, E. Moreno, A. Alié, N. Prim, A. Ruiz, S. Rodríguez, L. Puig Verdí

**P1819** Minocycline: a competitive agent to treat methicillin-resistant staphylococcal prosthetic joint infections  
G. Bart\* (Nantes, France), V. Meyssonier, S. Marmor, Y. Kerroumi, N. Desplaces, L. Lhotellier, W. Graff, D. Passeron, A. Mouton, F. Ducroquet, J. Ziza, V. Zeller

**P1820** Multidisciplinary concertation in decision making for complex bone and joint infections  
L. Bernard\* (Tours, France), E. Laurent, G. Gras, J. Druon, J. Stanovici, K. Fèvre, A. Lemaigen, E. Rusch, P. Rosset, L. Grammatico-Guillon

**P1821** Identification of bacteria in culture of tissue biopsy specimens in cases of orthopaedic device-associated infections  
S. Konstantinovic\* (Belgrade, Serbia), A. Milic

**P1822** *Sneathia amnii* epidural abscess following hysteroscopy: a case report  
P. Rao\* (Singapore, Singapore), M. Chan

**P1823** **New insights in vertebral osteomyelitis in a developing country**  
*N. Gupta\** (Gurgaon, India), *P. Khurana*, *S. Dubey*, *K. Narang*

**P1823A** **Spinal implant infections treated with hardware retention: outcome and risk factors of failure**  
*O. Grossi\** (Nantes, France), *P. Berner*, *R. Lamberet*, *P. Longis*, *Y. Varenne*, *S. Touchais*, *D. Boutoille*, *G. Aubin*, *S. Corvec*

**P088** **12:30 – 13:30**

**News about endocarditis**

**P1824** **Do we need a revision of the nosocomial endocarditis definition?**  
*L. Segagni Lusignani\** (Vienna, Austria), *P. Starzengruber*, *W. Graninger*, *M. Diab-Elshahawi*, *E. Presterl*

**P1825** **The curious incident of the dog and the mitral valve**  
*H. Adler\** (Liverpool, United Kingdom), *R. Taggart*, *J. Falb*

**P1826** **Oral treatment of infective endocarditis**  
*P. Muñoz\** (Madrid, Spain), *P. Munoz*, *V. González-Ramallo*, *M. Garcia-Leoni*, *M. Valerio Minero*, *A. Fernandez-Cruz*, *B. Pinilla*, *M. Martinez-Selles*, *G. Cuerpo*, *A. Vena*, *E. Bouza Santiago*

**P1827** **Prosthetic valve endocarditis (PVE): who needs surgery?**  
*F. Nacinovich\** (Buenos Aires, Argentina), *P. Fernández Osés*, *R. Viceconte*, *A. Iribarren*, *R. Ronderos*, *M. Vrancic*, *M. Pennini*

**P1828** **Evaluation of duration of antibiotic treatment for infective endocarditis affecting cardiac implantable electronic devices (IE-CIED) – observational multicentre study**  
*J. Gálvez-Acebal\** (Seville, Spain), *I. López Montesinos*, *A. de Alarcón*, *J. Ruiz Morales*, *F. Martínez Marcos*, *C. Hidalgo Tenorio*, *J. de la Torre Lima*, *D. Vinuesa García*, *A. Plata Ciezar*

**P1829** **Factors associated with positive valve culture in endocarditis and its impact on outcomes**  
*P. Fillatre\** (Rennes, France), *A. Gacouin*, *M. Revest*, *A. Maamar*, *P. Tattevin*, *E. Flecher*, *N. Lerolle*, *Y. Le Tulzo*, *J. Tadie*

**P1830** **Gram-negative bacterial endocarditis: report of 24 patients with Enterobacteriaceae infective endocarditis in Rio de Janeiro, Brazil**  
*P. Damasco\** (Rio de Janeiro, Brazil), *E. Oliveira*, *J. Delgado Correal*, *E. Gouvea*, *N. Silva Andrade*, *A. Assim Cabral*, *J. Lo-Ten-Foe*, *A. Paula Rosa Ignácio*, *N. Fortes*, *C. Fortes*

**P1831** **Epidemiology of 802 patients with infective endocarditis and clinical profile due to Enterobacteriaceae in Rio de Janeiro (Brazil) since 1975**  
*P. Damasco\** (Rio De Janeiro, Brazil), *E. Oliveira*, *N. Fortes*, *A. Campos*, *J. Delgado Correal*, *A. Assim Cabral*, *A. Paula Rosa Ignácio*, *R. Souza Leão*, *J. Rossen*, *C. Fortes*

**P1832** **Relapse of infective endocarditis after valve surgery: a 10-year single-centre evaluation of short-course antibiotic therapy**  
*C. Mullender\** (London, United Kingdom), *D. Parkin*, *J. Chambers*, *J. Klein*

**P1833** **Single-centre experience of high-dose daptomycin in 63 patients with infective endocarditis and sternal wound infections**  
*N. Peiffer-Smadja\** (Paris, France), *S. Abbara*, *M. Pogliaghi*, *N. Rizk*, *E. Papy*, *R. Sonnevile*, *E. Rondinaud*, *L. Lepage*, *X. Lescure*, *Y. Yazdanpanah*

**P1834** **Biomolecular methods in comparison to bacteriological method using to establish the aetiology of infective endocarditis via investigating affected valve tissues**  
*M. Sorokina\** (Moscow, Russian Federation), *A. Pissaruk*, *E. Kotova*, *Y. Karaulova*, *T. Getiya*, *N. Povalyaev*, *V. Moiseev*

**P1835** **Biomolecular methods in comparison to bacteriological methods using to establish the aetiology of infective endocarditis**  
*M. Sorokina\** (Moscow, Russian Federation), *N. Povalyaev*, *A. Pissaruk*, *E. Kotova*, *E. Domonova*, *D. Silvestrova*

**P089** **12:30 – 13:30**

**HIV medicine**

**P1836** **Complement opsonization of HIV-1 beats SAMHD1 restriction in dendritic cells**  
*W. Posch\** (Innsbruck, Austria), *M. Steger*, *A. Moris*, *C. Lass-Flörl*, *O. Keppler*, *D. Wifflingseder*

**P1837** **Blip rates in treated patients with long-term suppressed HIV-1 viral-load – comparison of two molecular assays for HIV-1 viral-load quantification**  
*F. Wiesmann\** (Aachen, Germany), *G. Naeth*, *P. Braun*, *H. Knechten*

**P1838** **Comparison of the Hologic Aptima HIV-1 Quant Dx assay with the Abbott RealTime and Roche Cobas 6800 in simultaneous HIV-1 viral-load measurement focussing low-end detection**  
*R. Ehret\** (Berlin, Germany), *M. Andrew*, *H. Kietzmann*, *J. Fuhrmann*, *M. Obermeier*



- P1839** Relationship between residual viraemia, HIV DNA, soluble CD14 and inflammatory markers in HIV-1-positive patients receiving antiretroviral therapy  
*O. Turriziani\** (Rome, Italy), *D. Di Carlo, F. Falasca, G. Tranquilli, T. Melengu, I. Bon, I. Mezzaroma, G. D'Ettore, M. Bucci, G. Antonelli*
- P1840** Community-acquired bacteraemia in HIV patients at a tertiary-care hospital in Thailand: epidemiology and predictors of mortality  
*S. Nimitvilai\** (Nakhonpathom, Thailand), *K. Jintanapramote, S. Jarupongprapa*
- P1841** Prevalence and risk factors for drug-resistant tuberculosis in HIV-infected patients – a Romanian single-centre experience  
*C. Oprea\** (Bucharest, Romania), *I. Ianache, S. Erscoiu, M. Nica, G. Tardei, E. Ceausu, P. Calistru*
- P1842** Changes in HIV/AIDS epidemic in Russia over the period of 2000–2014  
*M. Nosik\** (Moscow, Russian Federation), *K. Ryzhov, A. Kravchenko, I. Rymanova, U. Kuimova, S. Sevostyanihin, A. Sobkin*
- P1843** Efficacy of switching from darunavir-ritonavir to darunavir-cobicistat in HIV-infected patients treated with less drug regimen  
*D. Carlos\** (Valladolid, Spain), *P. Cid, C. Grande, M. Quiñones, L. Margusino, M. Garcinuño, R. Cabo, E. Poveda, M. Tolmos, Á. Mena de Cea, M. Castro Iglesias, L. Iglesias, H. Silvagni, A. Blanco Martinez de Morentin*
- P1844** Point-of-care ultrasound: a promising diagnostic tool in HIV patients with *Pneumocystis jirovecii* pneumonia (PJP)  
*M. Giordani\** (Vicenza, Italy), *E. Brunetti, L. Lazzarini, C. Wallrauch, T. Heller*
- P1845** Dynamics of HIV resistance, and factors associated with its development, and maintenance at a large reference university hospital in Valencia, Spain, from 2003 to 2014  
*G. Perren-Llerena\** (Adliswil, Switzerland), *M. Rosas, M. Garcia-Deltoro, E. Ortega G.*
- P1846** The role of pharmacogenetics in HIV/tuberculosis co-infected Ugandan patients  
*I. Motta\** (Turin, Italy), *G. Turyasingura, J. Cusato, C. Sekaggya, A. Von Braun, E. Pivetta, J. Fehr, B. Castelnuovo, A. Calcagno, M. Lamorde*
- P1847** Which test is better for screening AIN2+ lesions: P16/ki67, anal cytology or high-risk HPV PCR in HIV+ patients?  
*C. Hidalgo Tenorio\** (Granada, Spain), *C. Gil Anguita, J. Ramirez Taboada, S. de Jesus, M. Lopez Ruz, J. Esquivias, M. Omar Mohamed Balgahata, R. Javier, J. Pasquau*
- P1848** Results of a screening, therapeutic and prophylaxis programme for ain2+lesions in HIV-MSM (2010–2016)  
*C. Hidalgo Tenorio\** (Granada, Spain), *C. Gil Anguita, J. Ramirez Taboada, S. de Jesus, M. Lopez Ruz, J. Esquivias, M. Omar Mohamed Balgahata, R. Javier, J. Pasquau*
- P1849** Evaluation of the performance of BioPlex R 2200 HIV Ag-Ab for HIV primary infection serodiagnosis in an infectious disease setting  
*I. Abbate\** (Rome, Italy), *S. Neri, G. Rozera, A. Amendola, A. Ammassari, N. Orchi, M. Capobianchi*
- P1850** Persistent immune activation in HIV-associated pulmonary arterial hypertension  
*D. Zucman\** (Suresnes, France), *T. Issoufaly, E. Farfour, P. Devillier, Y. Levy, J. Lelievre, S. Hue, M. Ellouze, S. Dimi, L. Couderc, V. Godot, C. Tcherakian*
- P1851** Durable HIV-1 viral-load suppression in patients in Croatia in the period 2005 to 2015  
*J. Begovac\** (Zagreb, Croatia), *Š. Zekan, D. Lukas, I. Božićević, S. Zidovec Lepej*
- P1852** Evaluation of the Epstein-Barr virus specific T lymphocyte immune response in HIV patients  
*S. Valderrama Beltran\** (Bogotá, Colombia), *D. Hernandez, S. Gualtero, C. Hernandez, J. Garzón, S. Fiorentino, S. Quijano*
- P1852A** Impact of chronic CMV coinfection on T-cell immunosenescence is distinct in HIV-infected individuals  
*W. Kern\** (Freiburg, Germany), *M. Müller, S. Usadel, M. Pauly, T. Cathomen, U. Salzer*
- P1853** Characteristics and outcome of HIV-positive children internationally adopted in France  
*O. Lesens\** (Clermont-Ferrand, France), *P. Frange, S. Blanche, F. Veber, P. Le Moine, C. Runel, C. Dollfus, M. Lalande, M. Moukagni-Pelzer, V. Gandemer, E. Doré, V. Poirier, D. Coban, V. Corbin, C. Jacomet, O. Lesens*
- P1854** An emerging threat: tuberculosis in HIV-infected intravenous-drug users  
*E. Manea\** (Bucharest, Romania), *M. Simona, R. Jipa, R. Cernat, E. Zaharia Kezdi, M. Arbune, A. Vata, T. Moisil, A. Hristea*

- P1855** **Red blood cell morphologies in HIV-infected patients: case of the Douala General Hospital (Cameroon)**  
A. Bidias\* (Yaoundé, Cameroon), D. Ndjonga, C. Olemba, A. Souleymanou
- P1856** **Effects of pitavastatin on atherosclerotic-associated inflammatory biomarkers in HIV-infected patients with dyslipidaemia and receiving atazanavir/ritonavir**  
S. Srichatrapimuk\* (Bangkok, Thailand), B. Tassaneetrithep, S. Kiertiburanakul, S. Sungkanuparph, A. Phuphuakrat
- P1857** **Epidemiology of urinary tract infections in HIV-positive patients at a tertiary care hospital in central Europe (2011–2016)**  
R. Klasinc\* (Vienna, Austria), A. Rieger, E. Presterl, T. Wrba, M. Diab-Elschahawi
- P1858** **Are migrant women from sub-Saharan Africa ready for HIV pre-exposure prophylaxis?**  
H. Cordel\* (Bobigny, France), D. Leclerc, P. Honore, O. Bouchaud
- P1859** **Late presenters among HIV-positive patients, attending a rural comprehensive care clinic in southern Uganda**  
J. Kafkova\* (Bratislava, Slovakia), B. Silharova, A. Abdo Hasan, V. Krcmery
- P1860** **Results from a bio-behavioural HIV-prevalence study (Sialon II) among MSM in Brussels, Belgium**  
V. Jespers\* (Antwerp, Belgium), W. Vanden Berghe, C. Noëstlinger
- P1861** **Reproductive health among women living with HIV in Estonia**  
M. Starcher\* (Morgantown, United States), K. Kase, K. Rüütel, Z. Kai, R. Raetsnik
- P1862** **Implementation of the GeneXpert technology for the routine viral-load monitoring of HIV-positive patients**  
A. Bouige\* (Toulouse, France), F. Camille, A. Bicart See, M. Felice
- P1863** **The effect of the 2013 national HIV-testing recommendations on HIV-testing practices in a Swiss university hospital**  
K. Darling\* (Lausanne, Switzerland), T. Lazzarino, R. Mamin, S. Martenet, O. Hugli, M. Cavassini
- P1864** **HIV-genotype and drug-resistance profile in vertically infected children**  
F. Compagno\* (Basel, Switzerland), K. Naegle, C. Kahlert, I. Hoesli, K. Aebi-Popp, B. Martinez de Tejada, P. Paioni, S. Yerly, J. Boeni, M. Battegay, C. Rudin, H. Hirsch
- P1865** **Increased mortality with early and late-stage lung cancer among HIV-infected patients**  
K. Hysell\* (New Haven, United States), L. Aoun-Barakat, M. Virata, B. Emu
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- P090** **12:30 – 13:30**  
**Sexually transmitted infections**
- P1866** **Factors associated with ophthalmological recovery in syphilitic uveitis**  
P. Loubet\* (Paris, France), F. Hoogewoud, L. Frumholtz, C. Charlier-Woerther, P. Blanche, D. Lebeaux, O. Launay, C. Le Jeunne, D. Monnet, O. Lortholary, N. Dupin, A. Brezin, M. Errera, S. Salah, M. Groh
- P1867** **Two years of routine data for diagnostics of *Neisseria gonorrhoeae*: performance of culture vs. NAAT and presentation of susceptibility data from a German laboratory**  
A. Pranada\* (Dortmund, Germany), P. Bartsch, M. Bienia, A. Sägers, C. Rompf, P. Kappelhoff, F. Pranada
- P1868** **Antibiotic susceptibility patterns of *Ureaplasma* species in a Hungarian hospital between 2013 and 2016**  
M. Pappné Ábrók\* (Szeged, Hungary), L. Andrea, J. Deak, E. Urbán
- P1869** **Rapid molecular diagnosis of *Chlamydia trachomatis* and *Neisseria gonorrhoeae* infections in women with pelvic inflammatory disease suspicion**  
A. Vergara Gómez\* (Barcelona, Spain), J. Munrás, M. López, R. Arjona, J. Bosch, E. Bataller, L. Salazar, M. Alvarez Martinez, M. Del Pino, A. Mira, F. Carmona, J. Vila
- P1870** **Understanding the vaginal microbiota: *Gardnerella vaginalis* in women with different clinical conditions**  
C. Foschi\* (Bologna, Italy), N. Banzola, V. Gaspari, A. D'Antuono, M. Salvo, R. Cevenini, A. Marangoni
- P1871** **Vaginal microbiota and bacterial vaginosis**  
E. Tuncer\* (Konya, Turkey), A. Ugur, D. Findik, U. Arslan
- P1872** **Monitoring *Chlamydia trachomatis* infections after treatment for test of cure purposes**  
M. Scholing\* (Amsterdam, Netherlands) B. Versteeg, S. Bruisten, T. Heijman, W. Vermeulen, M. Van Rooijen, A. Van Dam, M. Schim Van der Loeff, H. de Vries
- P1873** **The role of microbial colonization of cervical canal and antimicrobial peptides in prediction of post-partum endometritis**  
L. Lyubasovskaya\* (Moscow, Russian Federation), G. Karimova, V. Muravieva, T. Ivanets, D. Dubodelov, A. Gordeev, R. Shmakov, T. Pripitnevich, G. Sukhikh

- P1874** Genetic polymorphism among *Streptococcus agalactiae* strains isolated from neonates, pregnant and postpartum women.  
J. Rodchenko\* (Moscow, Russian Federation), L. Lyubasovskaya, A. Melkumyan, A. Gordeev, I. Mukosey, T. Kochetkova, N. Kan, V. Zubkov, D. Dubodelov, D. Trofimov, G. Sukhikh, T. Priputnevich
- P1875** Clinical and laboratorial characteristics of neurosyphilis in patients admitted to a tertiary care centre: a 4-year retrospective study  
S. Dias\* (Lisbon, Portugal), A. de Sousa, P. Brás, R. Pedrosa
- P1876** The frequency of *Gardnerella vaginalis*, *Trichomonas vaginalis* and *Candida* species in vaginal fluids of female outpatients at “Venizeleio” General Hospital of Crete: a review of 2015 and first semester of 2016.  
M. Rigkos\* (Heraklion, Greece), E. Panagiotaki, E. Golloshi, M. Banasa, A. Kefalaki, X. Papachatzaki
- P1877** Performance evaluation of a new home-based self-vaginal collection device for detection of *Chlamydia trachomatis* and *Neisseria gonorrhoeae*  
S. Allibardi\* (Brescia, Italy), S. Rubessa, A. Squassina
- P1878** Sexually transmitted infections in young Israeli adults – epidemiology, clinical characteristics and common treatment practices  
T. Brosh-Nissimov\* (Ramat Gan, Israel), N. Keller, S. Amit
- P1879** Prevalence of *Chlamydia trachomatis* serovars L1-L3 (lymphogranuloma venereum) in a high-risk patient collective in Germany  
D. Schmidt\* (Essen, Germany), P. Rath, J. Steinmann
- P1880** Abnormal vaginal microbiota affect the reproductive outcome in *in vitro* fertilization (IVF) patients  
T. Haahr\* (Aarhus, Denmark), J. Jensen, P. Humaidan
- P1881** The role of NAAT in the management of *Trichomonas vaginalis* infections diagnosed among women attending a sexually transmitted infection clinic in North-West Italy  
I. Dal Conte\* (Torino, Italy), G. Gregori, M. Stella, E. Scuccimarra, V. Ghisetti
- P1882** Nugent's and Ison-Hay scoring criteria for the diagnosis of bacterial vaginosis in WASP prepared smears using different volumes of vaginal samples collected in ESwab  
F. Antonucci\* (Rome, Italy), W. Mirandola, C. Fontana
- P1883** Serological diagnosis of syphilis reinfection  
P. Bosshard\* (Zurich, Switzerland), K. Mischler, M. Glatz, J. Fehr
- P1884** *Mycoplasma genitalium* macrolide and fluoroquinolone resistance: prevalence and risk factors among patients in Barcelona, Spain  
M. Fernández Huerta\* (Barcelona, Spain), M. Barbera, J. Jensen, E. Caballero, A. Andreu Domingo
- P1885** Epidemiological factors of patients with *Chlamydia trachomatis*, *Neisseria gonorrhoeae* and *Mycoplasma genitalium* detections in urogenital samples  
I. López Ramos\* (Valladolid, Spain), I. Sanz, L. Barrio Revenga, J. Méndez-Legaza, S. Rojo, R. Ortiz de Lejarazu
- P1886** Vaginal microbiota of Japanese women  
A. Matsumoto\* (Aichi, Japan), Y. Yamagishi, K. Miyamoto, K. Oka, M. Takahashi, H. Mikamo
- P1887** Comparison of standard reduced transport fluid (RTF) buffer to the new eNAT buffer shows vaginal microbiome stability for up to one month in eNAT buffer as determined by ISpro microbiome profiling  
S. Morré\* (Amsterdam, Netherlands), R. Koedooder, L. Poort, C. Gazenbeek, A. Budding
- P1888** *Chlamydia trachomatis*, should we screen the men?  
P. Rondeau\* (Paris, France), N. Valin, D. Decré, O. Picard, J. Bottero, P. Girard, L. Surgers
- P1889** Pathogens associated with female genital tract infections in Kabul, Afghanistan  
S. Azizi\* (Kabul, Afghanistan)
- P1890** Symptoms, signs, and prognosis of *Chlamydia trachomatis* infections in infancy  
M. Honkila\* (Oulu, Finland), M. Renko, T. Pokka, M. Uhari, T. Tapiainen

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| P091                                      | 12:30 – 13:30                                                                                                                                                                                                                                                                      |
| Clinical epidemiology of viral infections |                                                                                                                                                                                                                                                                                    |
| P1891                                     | Cytomegalovirus infection monitoring practice in solid organ transplantation. Results of the European ESGICH questionnaire-based cross-sectional survey<br>M. Fernandez Ruiz* (Madrid, Spain), D. Navarro, R. San Juan Garrido, E. Giménez, O. Manuel, P. Grossi, J. Aguado Garcia |

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| P1892 | Adenovirus infection in autologous HSCT patients<br>G. Terhes* (Szeged, Hungary), K. Piukovics, N. Adamkovich, L. Tiszlavicz, B. Iványi, Z. Borbényi, E. Urbán |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

- P1893** **Dynamics of torque teno virus (TTV) viraemia after allogeneic haematopoietic stem cell transplantation as marker of immune recovery**  
V. Di Cristanziano\* (Cologne, Germany), R. Gilles, M. Herling, U. Holtick, E. Puchhammer-Stöckl, S. Awerkiew, H. Pfister, R. Kaiser, C. Scheidt
- P1894** **Evaluation of the Solana HSV 1+2 assay for simultaneous detection of herpes simplex virus 1 and 2, and varicella zoster virus from cutaneous and mucocutaneous lesions**  
B. Buchan\* (Milwaukee, United States), M. Faron, M. Mashock, J. Connolly, N. Ledeboer
- P1895** **TNF-related apoptosis-inducing ligand (TRAIL) protein as a biomarker for viral infections in febrile children**  
K. Oved\* (Tirat Carmel, Israel), E. Eden, I. Srugo, A. Cohen-Dotan, R. Navon, T. Gottlieb, O. Boico, E. Bamberger, M. Stein, A. Klein
- P1896** **Can rapid molecular influenza diagnostic assays contribute to decrease antibiotic treatment duration?**  
F. Jaureguay\* (Bobigny, France), C. Badr, C. Alloui, S. Brichler, E. Carboneille, E. Gordien
- P1897** **A highly efficient assay for detection of high-risk human papillomavirus E7 proteins in cervical samples as a method of triage to colposcopy**  
I. Koch\* (Neuried, Germany), T. Agorastos, K. Chatzistamatiou, I. Lekka, N. Maglaveras, M. Kellner, S. Fehrmann, M. Fleischhauer, C. Reichhuber, H. Pfister, E. Boschetti, A. Pesic, I. Hagemann, A. Kaufmann, P. Jansen-Duerr, E. Soutschek, O. Boecher
- P1898** **Frequency and clinical relevance of detection of herpesviruses 6 and 7 in cerebrospinal fluid samples**  
L. Balsalobre\* (Madrid, Spain), M. Guerrero, A. Martin, E. Gallego, E. Lomas, L. Cardeñoso
- P1899** **Bloodborne virus screening in a prison and drug misuse centre using dried blood spot testing (DBST) with the implementation of an opt-out strategy**  
A. Dadrah\* (Birmingham, United Kingdom), R. Garcha, J. Berg, T. Saluja
- P1900** **HIV self-test: perceptions and intention to use in a French nationwide study**  
O. Epaulard\* (Grenoble, France), P. Devez
- P1901** **Evaluation of a LAMP (loop-mediated isothermal amplification) assay as a screening tool to detect CMV in critically ill patients**  
A. Vergara Gómez\* (Barcelona, Spain), I. Alejo-Cancho, A. Cervilla, M. Navarro, C. Rodriguez, M. Marcos
- P1902** **Frequency and clinical relevance of high human herpesvirus 6B DNAemia following liver transplantation in children**  
B. Kasztelewicz\* (Warsaw, Poland), K. Kamińska, I. Jankowska, M. Teisseyre, J. Pawłowska, K. Dzierzanowska-Fangrat
- P1903** **Outbreak of neurological enterovirus A71 infection in Catalonia**  
B. Rivaya Sanchez\* (Badalona, Spain), C. Marcó De Mas, M. Méndez, M. Iñigo, S. Doménech-Puigcerver, À. Hernández Rodríguez, M. Cabrerizo
- P1904** **Role of adenovirus-specific T cell immunity to predict the progression of adenovirus infection in kidney transplant recipients: a pilot study**  
J. Bruminhent\* (Bangkok, Thailand), S. Pinsai, S. Srisala, D. Chotiprasitsakul, S. Watcharananan, N. Apiwattanakul
- P1905** **Beta-defensin 2: a novel biomarker of infection**  
J. Routsias\* (Athens, Greece), D. Marinou, V. Pitiriga, M. Mavrouli, A. Tsakris
- P1906** **Reproducibility of the cobas CMV test (cobas CMV) and clinical concordance with the Cobas Ampliprep/Cobas TaqMan CMV test (CAP/CTM CMV)**  
S. Young\* (Albuquerque, United States), J. Yao, A. Butcher, P. Hemyari, P. Baum, A. Valsamakis
- P1907** **Diagnostic accuracy of all laboratory tests for the detection of dengue virus; a meta-analysis of 80747 patient data**  
A. Negida\* (Zagazig, Egypt), M. Shehata, E. Khaled Gaafar, A. Menshawy, H. Ahmed
- P1908** **The epidemiology of viral hepatitis (HBV & HCV) and human immune deficiency virus in immigrants crossing towards Europe from North and Sub-Saharan Africa**  
M. Daw\* (Alfhrnaj St, Libya)
- P1909** **Evaluation of the Luminex ARIES system for the detection and quantification of BK virus DNA in plasma samples from kidney transplant recipients**  
T. Schutzbank\* (Grosse Pointe Woods, United States), T. Her
- P1910** **The human BK polyomavirus (BKV) urine and plasma monitoring in kidney transplant recipients**  
L. Pastvová\* (Košice, Slovakia), J. Mazurova

|              |                                                                                                                                                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P1911</b> | <b>Diagnostic accuracy study: quantitative PCR of GI tract specimen biopsied by endoscopy for CMV gastrointestinal diseases</b><br><i>Y. Tsuchido* (Kyoto, Japan), M. Yamamoto, Y. Matsumura, M. Nagao, S. Ichiyama</i>                                                                                                                               | <b>P092</b>               | <b>12:30 – 13:30</b>                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>P1912</b> | <b>Incidence and healthcare costs of viral meningitis in adults – a multi-centre prospective observational study in England</b><br><i>F. McGill* (Liverpool, United Kingdom), M. Griffiths, A. Martin, A. Geretti, B. Michael, N. Beeching, L. Bonnett, D. McKee, P. Scarlett, I. Hart, K. Mutton, A. Jung, A. Haycox, A. Miller, T. Solomon</i>      | <b>What's in the gut?</b> |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>P1913</b> | <b>Persistence of varicella zoster virus in saliva and postherpetic neuralgia in patients with herpes zoster</b><br><i>S. Park* (Goyang-Si, South Korea), M. Kim, S. Kim, J. Kwon, J. Kim, S. Kim</i>                                                                                                                                                 | <b>P1919</b>              | <b>Comparison of two molecular multiplex panels for detection of gastrointestinal pathogens</b><br><i>T. Uphoff* (Marshfield, United States), M. Nedd</i>                                                                                                                                                                                                                                                             |
| <b>P1914</b> | <b>New diagnostic markers for differentiation of acute and convalescent human cytomegalovirus infections</b><br><i>J. Klemens* (Lübeck, Germany), N. Wilhelm, K. Steinhagen, W. Schlumberger</i>                                                                                                                                                      | <b>P1920</b>              | <b><i>Clostridium difficile</i> laboratory investigation findings from an enhanced surveillance study in North Wales following a period of increased incidence of <i>C. difficile</i> infection</b><br><i>M. Perry* (Cardiff, United Kingdom), T. Morris, S. Jones, N. Craine, K. Bowden, M. Morgan, P. Mannion, R. Griffin, D. Williams, H. Adams, T. Cooper, J. Sutton, A. Walker, T. Peto, D. Crook, H. Hughes</i> |
| <b>P1915</b> | <b>Quantification and commutability of HCMV DNA in human plasma samples depends on target sequence and amplicon length</b><br><i>K. Naegel* (Basel, Switzerland), I. Lautenschlager, K. Bir, I. Helanterä, R. Loginov, H. Hirsch</i>                                                                                                                  | <b>P1921</b>              | <b>Evaluation of the microbiota in the intestinal tract of patients with colorectal carcinoma using next-generation sequencing</b><br><i>R. Haro-Blasco* (Albacete, Spain), J. Galan Ros, A. Escudero-Jimenez, J. De Ayala Fernández, V. Selves Ferriz, P. Conesa Zamora</i>                                                                                                                                          |
| <b>P1916</b> | <b>West Nile fever during the 2015 season: a view from a regional hospital in Israel</b><br><i>M. Pitashny* (Ashkelon, Israel), E. Tsyba, D. Chen, I. Sasson, Y. Lustig, M. Alkrinawi, R. Milo, S. Maayan</i>                                                                                                                                         | <b>P1922</b>              | <b>Comparison of phenotypic and genotypic characteristics of coagulase-negative staphylococci isolates recovered from blood cultures of patients on a haematology unit with those from pre-admission patient group</b><br><i>R. Chaudhry* (Birmingham, United Kingdom), T. Worthington, A. Hilton, I. Das</i>                                                                                                         |
| <b>P1917</b> | <b>Comparison of high risk HPV DNA and mRNA assays in anal screening of HIV-positive men who have sex with men</b><br><i>S. Venturini* (Bologna, Italy), E. Magistrelli, L. Prosperi, M. Plazzi, M. Minichiello, V. Colangeli, D. Cuicchi, A. Marangoni, C. Foschi, M. Re, P. Viale, M. Landini</i>                                                   | <b>P1923</b>              | <b>Toward a multi-species database for WGS-based HAI management</b><br><i>Alex Van Belkum* (La Balme-les-Grottes, France), K. Gael, C. Mirande, A. Griffon, B. Muller, M. Chapel, M. Rumigny, D. Pugazhendhi, N. Gormley, L. Fraser, E. Santiago-Allexant, B. Bonnaud, B. Lacroix</i>                                                                                                                                 |
| <b>P1918</b> | <b>Prevalence of norovirus infections and prolonged shedding in symptomatic and asymptomatic kidney transplant patients in a Belgian university hospital</b><br><i>C. Meex* (Liège, Belgium), P. Huynen, A. Mauroy, L. Weekers, C. Bonvoisin, L. Magnee, L. Bologne, R. Boreux, F. Toussaint, M. Hayette, J. Descy, E. Thiry, P. De Mol, P. Melin</i> | <b>P1924</b>              | <b>Parallel MLST-NGS analysis – a novel application of next-generation sequencing for both rapid identification of <i>Escherichia coli</i> ST131 clonal lines and characterization of strain-specific MDR-profile</b><br><i>P. Zimmermann* (Hamburg, Germany), A. Heisig, P. Heisig</i>                                                                                                                               |
|              |                                                                                                                                                                                                                                                                                                                                                       | <b>P1925</b>              | <b>Evaluation of the SHIGA TOXIN QUIK CHEK (Alere, Techlab) as screening tool for the detection of Shiga toxin-producing <i>Escherichia coli</i> (STEC) in human faecal samples</b><br><i>S. Herrera* (Majadahonda, Spain), S. Sanchez Prieto, L. Herrera-Leon, M. Llorente, R. Ramiro</i>                                                                                                                            |
|              |                                                                                                                                                                                                                                                                                                                                                       | <b>P1926</b>              | <b>Toxigenicity of <i>Clostridium difficile</i> strains isolated from GDH-positive faecal samples: The importance of a confirmatory step for the diagnosis of CDI</b><br><i>L. Skoura* (Thessaloniki, Greece), M. Kachrimanidou, Z. Tegou, E. Protonotariou, V. Koulourida, K. Arvaniti</i>                                                                                                                           |



- P1927** **Multi-site evaluation of the BD MAX extended bacterial panel for the detection of *Yersinia enterocolitica*, enterotoxigenic *E. coli*, *Vibrio* species and *Plesiomonas shigelloides* from stool specimens**  
J. Mortensen\* (Cincinnati, United States), P. Simner, D. Pillai, M. Oethinger, R. Yogeve, K. Stellrecht
- P1928** **Development of an Affimer-based hybrid assay for *Clostridium difficile* infection diagnosis**  
M. Ajayi\* (Leeds, United Kingdom), C. Tiede, M. McPherson
- P1929** **Analysis of *Clostridium difficile* infection in Tallaght Hospital following introduction of molecular testing**  
D. Hare\* (Maynooth, Ireland), S. Frost
- P1930** **Monitoring *Clostridium difficile* types in clinical routine using MALDI-TOF**  
L. Ortega Roco\* (Växjö, Sweden), Å. Johansson
- P1931** **Prevalence, serotypes/virulence profiles and risk factors of enterotoxigenic *Escherichia coli* in piglets in South Africa**  
S. Ogundare\* (Pretoria, South Africa), M. Karama, F. Fasina
- P1932** **SYN-004 (ribaxamase), a clinical-stage, orally delivered beta-lactamase therapy, protects the gut microbiome from IV antibiotics and reduces the propagation of antibiotic resistance**  
S. Connelly\* (Rockville, United States), A. Bristol, S. Hubert, C. Furlan Freguia, P. Subramanian, N. Hasan, R. Colwell, J. Sliman, M. Kaleko
- P1933** **Frequency and emergence of multidrug-resistant bacterial isolates causing bloodstream infections in paediatric patients at a tertiary care teaching hospital**  
A. Singh\* (Gorakhpur, India), A. Kumar, R. Mishra, J. Panday
- P1934** **Invasive beta-haemolytic group A, C, and G streptococcal infections in Italy: a 2015–2016 survey**  
L. Vitali\* (Camerino, Italy), R. Creti, G. Alfaroni, D. Petrelli, M. Pataracchia, M. Imperi, G. Gherardi
- P1935** **Asian food-borne outbreak of *Streptococcus agalactiae* serotype III, ST283, from 2001 to 2015**  
T. Barkham\* (Singapore, Singapore), W. Tang, S. Sarma, K. Mehershahi, T. Tan, T. Koh, R. Narayana, A. Lezhava, S. Chen
- P1936** ***Streptococcus agalactiae* bloodstream infection in non-pregnant adults: single-centre experience of an emerging clinical problem**  
M. Giannella\* (Bologna, Italy), G. Savelloni, E. Graziano, S. Tedeschi, M. Bartoletti, S. Ambretti, P. Viale
- P1937** **Invasive neonatal *Streptococcus agalactiae* infection in Slovenia, 2003–2013**  
S. Jeverica\* (Ljubljana, Slovenia), M. Lasič, M. Pavčnik, T. Kaparič, M. Ciringar, J. Lozar Krivec, P. Fister, G. Nosan, L. Lah, I. Štucin Gantar, N. Tul, M. Mueller-Premru, M. Lučovnik
- P1938** **Invasive group B streptococcal infections in nonpregnant adults; a 10-year overview of hospitalized patients in a tertiary healthcare centre**  
B. Gjurašin\* (Zagreb, Croatia), N. Papic, I. Butic, J. Begovac
- P1939** **Burden of *S. pneumoniae* sepsis in children in Switzerland**  
S. Asner\* (Lausanne, Switzerland), E. Gradoux, K. Posfay Barbe, U. Heininger, P. Agyeman, E. Giannoni, P. Crisinel, M. Stocker, G. Konetzny, A. Niederer-Loher, C. Kahlert, A. Donas, P. Hasters, C. Relly, W. Bär, C. Aebi, L. Schlapbach, C. Berger
- P1940** **The spectrum of invasive pneumococcal infections (IPI) across various comorbid conditions: a multicentre observational study from the Outcomerea research group**  
M. Garrouste-Orgeas\* (La Celle-Saint-Cloud, France), E. Azoulay, S. Ruckly, C. Schwebel, J. Bedos, B. Souweine, G. Marcotte, C. Adrie, D. Golgran-Toledano, A. Dumenil, H. Kallel, L. Argaud, M. Darmon, J. Timsit
- P1941** **Long-term health outcomes in patients with *Streptococcus suis* infection in Viet Nam**  
H. Vu\* (Ha Noi, Vietnam), H. Vu, L. Hoang, N. Van Kinh, N. Ta Thi Dieu, V. Tien Viet Dung, B. Nadjm, H. van Doorn, T. Ngo, P. Horby, H. Wertheim
- P1942** **Review from the French national reference centre for streptococci: a 10-year survey of adults group A streptococcal invasive infections (2006–2015)**  
C. Poyart\* (Paris, France), C. Plainvert, J. Loubinoux, N. Dmytruk, G. Collobert, A. Frigo, M. Longo, H. Poupet, A. Fouet
- P1943** **High mortality in *Clostridium* spp. bacteraemia: results from a retrospective study in a university hospital in Sapin (2009–2015)**  
A. Suarez\* (Madrid, Spain), L. Rodriguez Rojas, P. Ruiz-Garabajosa, E. Loza, R. Canton Moreno, M. Morosini Reilly

**P093 12:30 – 13:30**  
**Bloodstream infections: epidemiology and management**

- P1944** Excess mortality and length of stay associated with *Escherichia coli* bacteraemia inpatients in England, using national surveillance data  
N. Naylor\* (London, United Kingdom), R. Hope, N. Green, K. Henderson, J. Robotham, S. Deeny
- P1945** A tale of two cities – clinical and molecular correlates of *Escherichia coli* bacteraemia in Rochester, Minnesota and Singapore  
S. Mendis\* (Singapore, Singapore), S. Vasoo, B. Johnston, S. Porter, S. Menon, S. Cunningham, R. Patel, P. De, J. Johnson, R. Banerjee
- P1946** Typhoid fever in children below two years – need for an effective conjugate vaccine  
P. Venkat Ramanan\* (Chennai, India), V. Krishna, P. Rajendran, T. Thalavaisundaram, R. Padmanabhan
- P1947** Molecular and clinical epidemiology of *Salmonella* Paratyphi A isolated from bacteraemic patients in Nepal  
T. Matono\* (Tokyo, Japan), J. Sherchan, M. Morita, H. Izumiya, M. Ohnishi, J. Sherchand, S. Tandukar, U. Laghu, M. Nagamatsu, N. Ohmagari, K. Hayakawa
- P1948** Microbiological and clinical features of blood *Salmonella* infections at a tertiary paediatric care hospital in South India  
R. Iyer\* (Hyderabad, India), R. Jangam, F. Nahdi
- P1949** Analysis of invasive salmonellosis in Spain: data from the national microbiological surveillance system (2014–2016)  
S. Herrera-León\* (Majadahonda, Spain), L. Herrera-Leon, M. Llorente, S. Sanchez, M. Gutierrez
- P1950** Clinical characteristics of *Achromobacter xylosoxidans* infections in a single community-based hospital in Korea  
H. Hong\* (Daegu, South Korea), H. Koh, H. Kwon
- P1951** Phylogenetic analysis of CDC Gilardi rod group 1 strains reveal new species within the genera, *Wohlfahrtiimonas* and *Ignatzschineria*  
M. Bell\* (Atlanta, United States), J. McQuiston, J. Pryor
- P1952** Occult bacteraemia in adult emergency department patients – a clinical study of 320 cases  
V. Pintado Garcia\* (Madrid, Spain), J. Hermida, E. Loza, J. Fortun Abete, J. Cobo, P. Martín-Dávila, R. Escudero Sánchez, F. Giogia, S. Moreno Guillén
- P1953** Hospital resource use associated with treatment of Enterobacteriaceae pneumonia, sepsis and UTI  
M. Zilberberg\* (Goshen, United States), B. Nathanson, K. Sulham, W. Fan, A. Shorr
- P1954** *Klebsiella pneumoniae* carbapenemase-producing *K. pneumoniae* (KPC-Kp) bloodstream infections: a case study of a tertiary care university hospital in Italy  
C. Tascini\* (Pisa, Italy), E. Sozio, G. Bertolino, G. Giuliano, E. Taddei, F. Sbrana, A. Ripoli, F. Forfori
- P1955** Outbreak due to a clonal *Serratia marcescens* strain causing bacteraemia in a cardiology clinic: an epidemiological investigation  
A. Poulou\* (Serres, Greece), F. Markou, L. Politi, T. Kallinikidis, M. Mpidiou, G. Vrioni, S. Pournaras, A. Tsakris
- P1956** Prevalence of multidrug-resistance in bacteraemia among multidrug-resistant organism carriers  
A. Dinh\* (Garches, France), H. Mascitti, R. Calin, E. Nemo, B. Davido, F. Bouchand, C. Duran, J. Herrmann, J. Salomon, C. Lawrence
- P1957** Analysis of antimicrobial treatment in *Listeria monocytogenes* bacteraemia  
B. Orden\* (Madrid, Spain), G. Arán-Tohá, J. Anel Pedroche, M. Guerrero-Vadillo, L. Jiménez Márquez
- P1958** Functional capacity among survivors of Gram-negative bloodstream infection and risk factors for functional decline  
F. Koppel\* (Haifa, Israel), D. Yahav, A. Turjeman, E. Franceschini, A. Santoro, R. Bitterman, C. Mussini, L. Leibovici, N. Ghanem-Zoubi, M. Paul
- P1959** Outpatient parenteral antimicrobial therapy for native valve infective endocarditis in Hospital at Home units in Spain. Identification of risk factors for failure and 30 days readmission  
A. Vena\* (Madrid, Spain), V. González-Ramallo, M. Mirón-Rubio, M. Garcia-Leoni, A. Muijal, J. Estrada, P. Muñoz
- P1960** Prevalence of Gram-negative bloodstream infections among colonized neonates: a systematic review and meta-analysis  
L. Folgori\* (London, United Kingdom), C. Tersigni, J. Bielicki, Y. Hsia, P. Heath, M. Sharland
- P1961** Meropenem-dosing requirements against Gram-negative bacteraemia in an intensive care unit  
J. Ruiz\* (Valencia, Spain), M. Martín-Cerezuela, E. Villarreal, M. Gordon, A. Rodríguez, J. Frasquet, Á. Castellanos, P. Ramírez Gallego
- P1962** Carbapenem-resistant bacteraemias outside ICU setting...killing later rather than sooner?  
T. Peppas\* (Piraeus, Greece), V. Kordinas, D. Papadaki, A. Bakossi, M. Pappa, M. Kimouli, O. Apostolou, P. Karle

- P1963** **Quantifying the effects of prior acetyl-salicylic acid on aspirin-related deaths: an individual patient data meta-analysis using propensity matching**  
S. Muhi\* (Melbourne, Australia), J. Trauer, E. McBryde, S. Al Harbi, Y. Arabi, A. Boyle, R. Carbin-Ceba, W. Chen, Y. Chen, M. Falcone, O. Gajic, J. Godsell, M. Gong, D. Kor, W. Lösche, D. McAuley, H. O'Neal Jr, M. Osthoff, G. Otto, M. Sossdorf
- P1964** **Early mortality predictors in very elderly patients with Gram-negative bacilli bacteraemia**  
A. Sousa\* (Vigo, Spain), M. Perez, M. Suárez, B. Vilas, A. Soto, A. Nodar, F. Vasallo, M. Álvarez Fernández, M. Crespo
- P1965** **A combination of betalactam antibiotic and an aminoglycoside seems favourable in the treatment of sepsis**  
K. Prytz\* (Örebro, Sweden), J. Källman, M. Prag, A. Magnusson, H. Fredlund
- P1966** **Clinical characteristics and distribution of capsular types of community-acquired, healthcare-associated and nosocomial *Klebsiella pneumoniae* bacteraemia in Taiwan**  
C. Juan\* (Taipei, Taiwan), Y. Lin
- P1967** **The activity of doxycycline and its beta-lactam combinations against different strains of *Burkholderia pseudomallei* in Malaysia**  
Z. Deris\* (Kubang Kerian, Malaysia), N. Mohamad, H. Hasan, A. Harun
- P1968** **Use of routinely collected hospital data to identify risk factors for *Escherichia coli* and markers of severity**  
B. Oliver\* (London, United Kingdom), M. Gharbi, A. Thomas, S. Sriskandan
- P1971** **One-day oral dosing of S-033188, a novel inhibitor of influenza virus Cap-dependent endonuclease, exhibited significant reduction of viral titre and prolonged survival in mice infected with influenza B virus**  
T. Shishido\* (Toyonaka, Japan), K. Fukao, Y. Ando, T. Noshi, M. Kawai, R. Yoshida, A. Sato, A. Naito
- P1972** **Effects of doxycycline on lowering IL-6 and TNF among patients with dengue haemorrhagic fever: a meta-analysis**  
J. Mangulabnan\* (Manila, Philippines), F. Ogbac
- P1973** **Pharmacokinetic and pharmacodynamic analysis of S-033188/S-033447, a novel inhibitor of influenza virus Cap-dependent endonuclease, in mice infected with influenza A virus**  
T. Noshi\* (Toyonaka-shi, Japan), K. Satou, T. Ishibashi, Y. Ando, H. Ueda, R. Oka, M. Kawai, R. Yoshida, A. Sato, T. Shishido, A. Naito
- P1974** **Inhibitory effect of S-033188/S-033447, a novel inhibitor of influenza virus Cap-dependent endonuclease, against highly pathogenic avian influenza virus A/H5N1**  
K. Taniguchi\* (Sapporo, Japan), M. Kobayashi, Y. Ando, T. Noshi, M. Kawai, R. Yoshida, A. Sato, M. Okamatsu, Y. Sakoda, H. Kida, T. Shishido, A. Naito
- P1976** **Antiviral studies of several natural extracts against dengue virus serotype-2 replication *in vitro***  
Y. Syadza\* (Jakarta, Indonesia), H. Muhammad, M. Sanusi, H. Purwanto, C. Nenobais, K. Hapsari, B. Dewi
- P1977** **Clinical efficiency of oligoribonucleotide-D-mannitol complexes**  
N. Melnichuk\* (Kiev, Ukraine), M. Andreychyn, I. Iosyk, Z. Tkachuk

P094 12:30 – 13:30

# Novel and improved therapeutical approaches to viral infections

- P1969** **Experience with the Quantiferon TM CMV assay in cytomegalovirus-seropositive renal transplant recipients**  
S. Alain\* (Limoges, France), S. Hantz, R. Jean-Philippe, G. Lagathu, R. Crochette, N. Bouvier, S. Gouarin, A. Dewilde, A. Garstka, E. Munteanu, F. Garnier, E. Marie
- P1970** **A study to evaluate the effect of JNJ-63623872 on cardiac repolarization interval in healthy subjects**  
T. Kosoglou\* (Jamison, United States), I. Seghers, W. Van Duijnhoven, S. Deleu, H. Fennema, L. Leopold

P095 12:30 – 13:30

# Intestinal and intraabdominal infections

- P1978** **CRP but not PCT are related to antibiotic response during infection after major abdominal surgery**  
A. Perrella\* (Naples, Italy), M. Castriconi, P. Varriale, C. Esposito, P. Bellopede, C. Sbriglia
- P1979** **Two Austrian petting zoos as sources of verotoxin-producing *Escherichia coli* (VTEC) O157 infections**  
F. Allerberger\* (Vienna, Austria), S. Schlager, R. Konrad, H. Dengg, N. Häle, O. Kessler

- P1980** **Epidemiological study of *Yersinia pseudotuberculosis* in Belgium by multiple-locus variable-number tandem-repeat analysis**  
P. de Sany\* (Brussels, Belgium), E. Andre, L. Goeminne, J. Verhaegen, M. Janssens, G. Wauters, M. Delmée
- P1981** **A severe outbreak of gastroenteritis associated with the consumption of uncooked eggs contaminated with *Salmonella enterica* serotype Enteritidis**  
F. Galan-Sanchez\* (Cádiz, Spain), F. de la Rubia-Martin, T. Trujillo-Soto, S. Tello-Nieto, S. Herrera, S. Sanchez, M. Rodriguez-Iglesias
- P1982** **Gastroenteric infections in Italy: cases reported in the area of Parma in the period January 2011 – April 2016**  
S. Montecchini\* (Parma, Italy), A. Calderaro, M. Buttrini, F. Tummolo, M. Martinelli, S. Covan, M. Arcangeletti, M. Medici, C. Chezzi, F. De Conto
- P1983** ***In vitro* activity of tigecycline and comparators against Gram-negative pathogens in France from patients with complicated intra-abdominal (IAI) and skin and soft tissue infections (SSTI)**  
D. Sahm\* (Schaumburg, United States), M. Renteria, D. Hoban, H. Leister-Tebbe
- P1984** **Prevalence of shiga-toxin-producing *Escherichia coli* in patients with a clinical suspicion of acute gastroenteritis in the Netherlands**  
M. Nipshagen\* (Utrecht, Netherlands), S. Van Marm, M. Bonten, H. Kusters
- P1985** **Improved detection of gastrointestinal pathogens using the rapid and easy filmarray gastrointestinal panel**  
M. Andrés Franch\* (Barcelona, Spain), A. Noguera-Julian, C. Fortuny, A. Gene, L. Goterris Bonet, D. Henares-Bonilla, C. Muñoz-Almagro, P. Brotons de los Reyes
- P1986** **Clinical and molecular epidemiology of pyogenic liver abscess causing by *Klebsiella pneumoniae* in University Hospital Virgen de la Arrixaca**  
C. Salvador Garcia\* (Murcia, Spain), G. Yagüe, M. Segovia Hernández
- P1987** ***Shigella flexneri*: a six-year epidemiological study in a tertiary paediatric hospital, Athens, Greece**  
V. Pitiriga\* (Athens, Greece), D. Xatzaki, G. Mandilara, G. Paradeisis, M. Matsas, C. Goumenopoulos, A. Psina, E. Bouzavoutoglou, E. Lebessi, I. Paraskakis
- P1988** **Changing epidemiology of shigellosis in a paediatric population of Athens during the recent years**  
V. Pitiriga\* (Athens, Greece), D. Hatzaki, G. Mandilara, G. Paradeisis, E. Bouzavoutoglou, C. Goumenopoulos, A. Psina, M. Matsas, E. Lebessi, I. Paraskakis
- P1989** **Epidemiology of *Salmonella* spp. gastroenteritis in children over a six-year period (2011–2016): data from a large tertiary paediatric hospital, Athens, Greece**  
V. Pitiriga\* (Athens, Greece), D. Hatzaki, G. Mandilara, E. Bouzavoutoglou, G. Paradeisis, C. Goumenopoulos, A. Psina, E. Lebessi, I. Paraskakis
- P1990** **Epidemiological study of gastroenteritis by *Campylobacter* sp. in Greek children (2010–2016)**  
V. Pitiriga\* (Athens, Greece), D. Hatzaki, G. Paradeisis, C. Goumenopoulos, A. Psina, M. Matsas, E. Bouzavoutoglou, E. Lebessi, I. Paraskakis
- P1991** **Whole-genome sequencing and comparative genomic analysis of *Salmonella enterica* serovar Napoli strains isolated from human cases occurred in Lombardy and Emilia-Romagna, Northern Italy**  
M. Gori\* (Milan, Italy), E. Scaltriti, P. Huedo, L. Bolzoni, G. Ciceri, E. Ebranati, G. Zehender, S. Pongolini, M. Pontello
- P1992** **A pyogenic hepatic abscess: a comparison of older and younger patients**  
D. Ben Slimen\* (Sousse, Tunisia), Z. Hattab, N. Ben Lasfer, F. Bellazreg, W. Hachfi, A. Omezzine
- P1993** **Antimicrobial susceptibility profiles of key intra-abdominal (IAI) bacterial isolates from Western Europe: TEST 2014–2016**  
B. Johnson\* (Schaumburg, United States), D. Hoban, M. Renteria, D. Sahm, H. Leister-Tebbe
- P1994** **The identification of antigens recognized by anti-*Campylobacter* nanobodies**  
C. Vanmarsenille\* (Brussels, Belgium), I. Díaz del Olmo, J. Elseviers, G. Hassanzadeh Ghassabeh, D. Vertommen, A. Martel, F. Haesebrouck, F. Pasmans, J. Hernalsteens, H. De Greve
- P1995** **Reporting patterns and cost of care associated with empirical antibiotic therapy for inpatients with community-acquired intra-abdominal infections: experience from a Greek university hospital medical care unit**  
K. Akinosoglou\* (Rio, Greece), M. Kolosaka, V. Niarou, C. Koutsouri, C. Davoulos, S. Theodoraki, D. Ziazias, C. Gogos

- P1996** Immunomodulation therapy in patients with acute infectious diarrhoea and its influence on antimicrobial resistance of intestinal opportunistic flora  
N. Pshenichnaia\* (Rostov-On-Don, Russian Federation), A. Buslenko, A. Aleshukina, S. Khukazova, O. Kostenko, A. Zhuravlev
- P1997** Investigation of the prevalence and antimicrobial susceptibility of *Campylobacter* species in patients prediagnosed with acute gastroenteritis  
E. Tuncer\* (Konya, Turkey), N. Ciftci, H. Turk Dagı
- P1998** Clinical characteristics and outcomes of patients with *Klebsiella pneumoniae* visceral organ abscesses in Singapore  
S. Zheng\* (Singapore, Singapore), H. Oh
- P1999** Identification of clinical variables and commensal bacterial species associated with intestinal colonization by multidrug-resistant Enterobacteriaceae in acute leukaemia patients  
A. Djukovic\* (Valencia, Spain), E. Gonzalez, J. Sanz, B. Herrera, J. López-Hontangas, M. Salavert, M. Gómez Ruiz, L. Debrauwer, B. Kuster, J. Rolain, K. Xavier, M. Sanz, J. Xavier, C. Ubeda
- P2000** Comparative genomics of *Vibrio cholerae* El Tor strains isolated at epidemic complications in Siberia and at the Far East  
A. Gladikh\* (Irkutsk, Russian Federation), L. Mironova, A. Ponomareva, S. Feranchuk, E. Basov, Z. Khunkheeva, S. Balakhonov
- P2001** *Solobacterium moorei* bacteraemia in a patient with Fournier's gangrene  
M. Hernandez Blanco\* (Santiago de Compostela, Spain), J. Costa, A. Aguilera, M. Tamara, G. Abal-Morrazo, P. Lopez-Pais, F. Otero-Castro, J. Álvarez, M. Perez del Molino
- P2002** Molecular detection of pathogens for acute gastroenteritis  
Y. Heng\* (Singapore, Singapore), B. Jiang, L. Ng, D. Sim, T. Tan
- P2003** Long-term follow-up study of the clinical relevance of rectal carriage of *Klebsiella pneumoniae* in asymptomatic diabetic patients in Taiwan  
Y. Huang\* (Taipei, Taiwan), C. Liao, P. Hsueh
- P2004** *Salmonella* surveillance in human specimens collected from 2011 to 2015 in the province of Pavia: a 5-year analysis  
F. Mangione\* (Pavia, Italy), C. Dalla Valle, F. Carrano, P. Marone, V. Monzillo
- P2005** Anaerobic flora as aetiological agents of abscesses of internal organs and body cavities in patients hospitalized in a tertiary care university-affiliated hospital  
M. Wroblewska\* (Warsaw, Poland), A. Milner, H. Marchel, G. Nurzynska
- 
- P096** 12:30 – 13:30  
Central-venous catheter infections
- P2006** Time to positivity of blood cultures for catheter-related candidaemia  
M. Gits-Muselli\* (Paris, France), S. Hamane, S. Villiers, N. Guigue, A. Alanio, S. Bretagne
- P2007** Infections in patients on short-term haemodialysis with catheters: incidence, associated factors and microbiological aspects  
F. Bellissimo-Rodrigues\* (Ribeirão Preto, Brazil), M. Meneguetti, N. Bertoni, E. Romao
- P2008** Nationwide study on peripheral venous catheter-related bloodstream infections in internal medicine departments  
M. Guembe\* (Madrid, Spain), M. Pérez-Granda, J. Capdevila, J. Barberán, B. Pinilla, P. Martin-Rabadan, E. Bouza Santiago
- P2009** Impact of an educational programme in compliance with recommendations for venous lines care in internal medicine departments in Spain  
M. Guembe\* (Madrid, Spain), M. Pérez-Granda, J. Capdevila, J. Barberán, B. Pinilla, P. Martin-Rabadan, E. Bouza Santiago
- P2010** A randomized prospective study to compare the efficacy of catheter locks with saline or heparin in the maintenance of peripheral venous catheters  
M. Guembe\* (Madrid, Spain), M. Pérez-Granda, E. Bouza Santiago, A. González, B. Pinilla, J. Collado, M. Rodríguez, J. Millán
- P2011** Improved microbiological diagnostic of long-term central venous catheters in patients depending on home parenteral nutrition: a single-centre, prospective cohort study  
L. Christophersen\* (Copenhagen, Denmark), C. Johann Lerche, S. Tribler, P. Bekker Jeppesen, C. Moser
- P2012** Prevalence, antimicrobial resistance and molecular characterization of coagulase-negative *Staphylococcus* causing bloodstream infection at an Indian tertiary care hospital  
S. Singh\* (Chandigarh, India), B. Dhawan, A. Kapil, S. Kabra, A. Suri, V. Sreenivas, B. Tezpur



**P2013** **Peripheral and central catheter-related bacteraemia: a seven-year comparative study**  
J. Ruiz Giardin\* (Fuenlabrada, Spain), I. Ochoa, J. Sanmartin, I. Garcia Arata, J. Jaqueti, M. Guerrero

**P2014** **Long-term reduction rate in catheter-related bloodstream infections**  
M. Logar\* (Ljubljana, Slovenia), T. Lejko Zupanc

**P2015** **Impact of an educational programme for reduction of central line-associated bloodstream infection in non ICU settings: focus on maintenance practices**  
D. Wiltgen\* (Porto Alegre, Brazil), P. Gleit, C. Kawski, C. Vizcaychipi

**P2017** **Epidemiology of peripheral line-associated bloodstream infection compared to central line-associated bloodstream infection**  
M. Tsuboi\* (Tokyo, Japan), K. Hayakawa, K. Mezaki, Y. Katanami, K. Yamamoto, S. Kutsuna, N. Takeshita, N. Ohmagari

**P2018** ***Brevibacterium casei* – a new/rare pathogen of catheter-related bloodstream infections (CR-BSI) in immunocompromised children**  
K. Jermakow\* (Wroclaw, Poland), J. Fraczkiewicz, J. Nowicka, E. Dworniczek

**P097** **12:30 – 13:30**

#### Understanding and managing *Clostridium difficile*

**P2019** **Breakthrough *C. difficile* infection in cirrhotic patients receiving rifaximin**  
E. Reigadas\* (Madrid, Spain), J. Gómez-Castellá, L. Alcalá, M. Marín, A. Martín, R. Onori, E. Bouza

**P2020** **Findings of a hospital surveillance-based outcome evaluation study for *Clostridium difficile*-associated colitis**  
O. Misak\* (Debrecen, Hungary), E. Rakoczi, I. Varkonyi, E. Kenez

**P2021** ***Clostridium difficile* infection underdiagnosis: a prospective cohort study**  
G. Granata\* (Rome, Italy), M. Cataldo, E. Garavelli, S. Darezzo, C. De Giuli, A. Vulcano, C. Venditti, N. Petrosillo

**P2022** **External validation of three prediction tools for patients at risk of a complicated course of *Clostridium difficile* infection: disappointing in outbreak setting**  
Y. Van Beurden\* (Amsterdam, Netherlands), M. Hensgens, O. Dekkers, S. Le Cessie, C. Mulder, C. Vandenbroucke-Grauls

**P2023** **Notification of disease and death due to *Clostridium difficile* infections with severe course (sCDI) in North Rhine-Westphalia (NRW)**  
A. Jurke\* (Münster, Germany), M. Lunemann, I. Daniels-Haardt

**P2024** **Clinical characteristics and molecular epidemiology of diarrhoeagenic *Escherichia coli* in cancer patients**  
A. Chao\* (Houston, United States), M. Bhatti, L. Carlin, P. Okhuysen

**P2025** ***Clostridium difficile*-associated infection in Russia: epidemiology, virulence, pathophysiological aspects**  
M. Sukhina\* (Moscow, Russian Federation), A. Safin, I. Obratsov, V. Mikhalevskaya

**P2026** **Mortality and rehospitalization risks differ between groups whose *C. difficile* recurs in the hospital vs. nursing home**  
M. Zilberberg\* (Goshen, United States), J. Tjia, K. Lapane, W. Jesdale, A. Shorr

**P2027** **Is use of concomitant antibiotic during treatment of *Clostridium difficile* infection a risk factor for recurrence?**  
M. Lupse\* (Cluj-Napoca, Romania), M. Rus, A. Andreea Stefania, M. Tuns, M. Flonta, N. Todor

**P2028** **Tetracycline-mediated emergence of *Clostridium difficile* PCR-ribotype 078**  
K. Dingle\* (Oxford, United Kingdom), X. Didelot, D. Eyre, N. Stoesser, C. Marwick, J. Coia, D. Brown, U. Ijaz, C. Goswami, G. Douce, W. Fawley, M. Wilcox, T. Peto, S. Walker, D. Crook

**P2029** **The recognition and characterization of Finnish *Clostridium difficile* PCR ribotype 027-like isolates**  
M. Krutova\* (Prague, Czech Republic), O. Nyc, J. Matejkova, E. Kuijper, C. Harmanus, A. Kanervo-Nordström, J. Jalava, S. Mentula

**P2030** **The different distribution of *Clostridium difficile* PCR ribotypes and moxifloxacin resistance in piglets in the Czech Republic**  
M. Krutova\* (Prague, Czech Republic), M. Zouharova, J. Matejkova, J. Krejci, M. Faldyna, J. Bernardy, O. Nyc

**P2031** **The effect of training in the surveillance and prevention of *Clostridium difficile* infections**  
N. Sopena\* (Badalona, Spain), N. Freixas, P. Perez, A. Hornero, F. Bella, E. Limón, F. Gudiol

- P2032** **Multi-drug resistant *Clostridium difficile* ribotype 027 in southwestern Virginia 2007–2013: common, fit and virulent**  
R. Carman\* (Blacksburg, United States), H. Daskalovitz, M. Leyerly, M. Goodykoontz, M. Davis, J. Boone, D. Lyerly
- P2033** **Characterization of binary toxin-producing strains among clinical *Clostridium difficile* isolates in Hesse, Germany**  
M. Arvand\* (Berlin, Germany)
- P2034** **Antimicrobial susceptibility of *Clostridium difficile* isolates in Israel**  
A. Peretz\* (Tiberias, Israel), N. Pastukh, L. Tkhawkh, O. Nitzan
- P2035** **Influence of *gyrA* and *gyrB* mutations in *Clostridium difficile* isolates on 30-day mortality**  
C. Marwick\* (Dundee, United Kingdom), N. De Souza, G. Douce, C. Goswami, U. Ijaz, D. Brown, J. Coia, P. Donnan, C. Wiuff, P. Davey
- P2036** ***Clostridium difficile* incidence, risk factors and intervention attempts in a 617-bed hospital over a three-year period**  
T. Peppas\* (Piraeus, Greece), D. Ntounias, E. Mpletsa, N. Zachos, A. Bakossi, M. Kimouli, M. Pappa, P. Karle
- P2037** **Factors associated with *Clostridium difficile* infection: a nested case-control study in a three-year prospective cohort**  
N. Khanafer\* (Lyon, France), P. Vanhems, F. Barbut, C. Luxemburger
- P2038** **Outcomes of diarrhea suspected to be related to *Clostridium difficile* in a French university hospital**  
N. Khanafer\* (Lyon, France), P. Vanhems, F. Barbut, C. Demont
- P2039** **Attributable inpatient costs of nosocomial *Clostridium difficile* infection in a Canadian tertiary care center**  
D. Thirion\* (Montreal, Canada), C. Tisnado Garland, M. Richard, C. Frenette
- P2040** **Incidence rate of *Clostridium difficile* infection and associated risk factors in hospitalized patients: Hacettepe Adult and Oncology Hospitals**  
S. Unal\* (Ankara, Turkey), A. Er, B. Sener, B. Metin, B. Cakir, H. Temucin, S. Ascioglu, G. Sain Guven
- P2041** **Efficacy of oral vancomycin in primary prevention of *Clostridium difficile* infection in elderly patients treated with systemic antibiotic therapy**  
N. Papic\* (Zagreb, Croatia), L. Stemberger Maric, I. Kurelac, D. Dusek, A. Vince
- P2042** **Faecal lactoferrin in patients infected with *Clostridium difficile* ribotype 027**  
G. Martirosian\* (Katowice, Poland), M. Aptekorz, A. Szczepielniak, B. Wiechula, C. Harmanus, E. Kuijper
- P2043** **Prevention of *Clostridium difficile* infections with *Saccharomyces boulardii***  
M. Chehri\* (Copenhagen, Denmark), J. Carstensen, K. Schønning, S. Rasmussen, J. Anhøj, C. Østergaard, A. Petersen
- P2044** **A successful targeted intervention to reduce *Clostridium difficile* infection in an endemic Italian hospital**  
C. Puzzolante\* (Modena, Italy), M. Meschiari, G. Orlando, E. Franceschini, A. Bedini, P. Pini, C. Venturelli, M. Codeluppi, E. Vecchi, C. Mussini
- P2045** **Cadazolid activity against contemporary anti-biotic-resistant *Clostridium difficile* isolates and prevalent ribotypes from Europe**  
I. Morrissey\* (Monthey, Switzerland), M. Wilcox, C. De Piano, S. Magnet, S. Hawser, T. Morris, H. Locher
- P2046** **Activity of cadazolid and other antibiotics against clinical isolates of *Clostridium difficile* collected from European hospitals in 2014/2015**  
I. Morrissey\* (Monthey, Switzerland), C. De Piano, S. Magnet, S. Hawser, T. Morris, H. Locher
- P2047** **Time-kill kinetics and post-antibiotic effect of cadazolid against *Clostridium difficile***  
K. Skinner\* (Manchester, United Kingdom), S. Birchall, D. Corbett, P. Thommes, H. Locher
- P2048** **Efficacy of bezlotoxumab in patient with recurrent *Clostridium difficile* infection: pooled analysis of data from the MODIFY trials**  
G. Rahav\* (Ramat-Gan, Israel), B. Yacyshyn, D. Kao, M. Ellison, A. Pedley, K. Eves, M. Hanson, D. Guris, M. Dorr
- P2049** **Ridinilazole treatment for *C. difficile* infection preserves the intestinal microbiota of patients**  
A. Kane\* (Boston, United States), C. Thorpe, J. Chang, R. Vickers, D. Snyderman

|                                                                      |                                                                                                                          |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>P098</b>                                                          | <b>12:30 – 13:30</b>                                                                                                     |
| <b>Severe sepsis: sepsis definitions, biomarkers and bacteraemia</b> |                                                                                                                          |
| <b>P2050</b>                                                         | <b>Clinical and microbiological characteristics of bacteraemia caused by <i>Burkholderia cepacia</i> complex species</b> |
|                                                                      | P. Hsueh* (Taipei, Taiwan), Y. Chien, C. Yu                                                                              |

- P2051**      **Microdialysis interstitium alterations during septic shock: Gram-negative vs Gram-positive infections**  
Z. Hajje\* [Tunis, Tunisia], W. Sellami, W. Sammoud, I. Labbene, F. Mustpha
- P2052**      **Septic shock in France from 2009 to 2014: incidence, outcome, and associated costs of care**  
C. Dupuis\* [Paris, France], L. Bouadma, S. Ruckly, A. Perozziello, B. Mourvillier, S. Bailly, R. Sonnevill, J. Timsit
- P2053**      **Clinical and laboratory characteristics of infections caused by *Listeria monocytogenes* at a tertiary hospital in China**  
S. Wu\* [Chengdu, China], Y. Liu, Y. Xiao, M. Kang
- P2054**      **Mortality related to severe infections among critically ill patients in a university hospital of infectious diseases**  
A. Radulescu\* [Cluj-Napoca, Romania], L. Herbel, A. Dicea, A. Pop, A. Hanganut, A. Slavcovic
- P2055**      **Risk-based stratification of sepsis patients in the emergency ward**  
L. Ward\* [Aalborg, Denmark], V. Sambri, M. Fantini, L. Leibovici, S. Andreassen
- P2056**      **Cytokine assessment failed to improve the diagnostic accuracy of procalcitonin for identifying bacteraemia in SIRS-patients on standard care wards**  
F. Ratzinger\* [Vienna, Austria], A. Makristathis, K. Schmetterer, H. Haslacher, T. Perkmann, H. Burgmann
- P2057**      **A prospective study of characteristics and outcomes of community-acquired bacteraemia in elderly patients**  
S. Maraki\* [Heraklion, Greece], K. Moschou, G. Samonis, F. Koutroumpakis, M. Mamaloukaki, C. Bikis, A. Gikas, I. Papadakis, D. Kofteridis
- P2058**      **Quantitative 16S rDNA droplet digital PCR for determination of bacterial load and duration of DNAemia in bloodstream infections**  
I. Ziegler\* [Örebro, Sweden], K. Strålin, P. Mölling
- P2059**      **Risk factors of inadequate empirical therapy in patients with bloodstream infection in emergency department**  
A. Rezusta\* [Zaragoza, Spain], E. Laín Miranda, C. Toyas, F. Castillo, D. Gil, J. Povar, M. Villuendas, M. Revillo
- P2060**      **Is SOFA score a good instrument for the diagnosis and prognosis of community-acquired sepsis?**  
A. Orfanu\* [Bucharest, Romania], C. Popescu, A. Leustean, R. Catana, A. Negru, A. Badea, I. Diaconu, R. Orfanu, C. Tiliscan, V. Arama, S. Arama
- P2061**      **Bacterial virulence analysis of *Bacillus cereus* isolated after the death of two preterm neonates highlights the pathogenic potential of environmental strains**  
R. Ruimy\* [Nice, France], R. Lotte, A. Herissé, Y. Berrouane, F. Casagrande-Magne, L. Lotte, L. Landraud, S. Herbin, N. Rama Rao, L. Boyer
- P2062**      **Platelet aggregation as early predictor of sepsis: results from the PRESS (Platelet REactivity in Sepsis Syndrome) study**  
K. Akinosoglou\* [Rio, Greece], S. Theodoraki, I. Xanthopoulou, A. Perperis, T. Gavogianni, A. Pistiki, E. Giamarellos-Bourboulis, C. Gogos
- P2063**      **The bearded dragon sets the tonsil on fire: first report of Lemierre's syndrome due to *Porphyromonas pagonae***  
S. Helbig\* [Dresden, Germany], A. Thürmer, K. Wilke, K. De With
- P2064**      **Serum biomarkers and prognostic scores in severe sepsis/septic shock**  
J. Ríos-Toro\* [Ronda, Spain], L. Pérez-Borrero, S. Fernández-Rodríguez, J. García-Alvarez, F. Martín Gallardo, M. Gómez Sánchez-Orezzoli, R. Rivera-Fernández
- P2065**      **The evolution of procalcitonin levels is an independent prognostic marker of survival in patients with severe sepsis and septic shock**  
J. Ríos-Toro\* [Ronda, Spain], M. Marquez Coello, A. Martín-Aspas, J. Girón-González
- P2066**      **Diagnosis and prognosis markers for sepsis in the elderly**  
I. Arnau-Barrés\* [Barcelona, Spain], À. Pedragosa, R. Miralles, R. Güerri Fernandez
- P2067**      **A new and fast laboratory workflow for the diagnosis and care of sepsis**  
C. Giordano\* [Pisa, Italy], V. Brucculeri, C. Ceppatelli, L. Lelli, S. Barnini
- P2068**      **Septic shock experience from a developing country: does high lactate level and qSOFA score affect the outcome in septic shock?**  
S. Ulusoy\* [Izmir, Turkey], U. Önal, A. Uyan, D. Akdağ, D. Akyol, C. Bulut, S. Uysal, G. Guliyeva, S. Mermer, T. Yamazhan, H. Pullukcu, M. Isikgöz Tasbakan, B. Arda, O. Sipahi

- P2069** Could high level of procalcitonin differentiate sepsis from Gram-negative, Gram-positive and fungal pathogen?  
*E. Puca\** (Tirana, Albania), A. Daka, G. Huti, A. Rrustemaj, B. Koza, E. Puca
- P2070** Broadening sepsis criteria: implications for acute medical settings  
*E. Moran\** (Birmingham, United Kingdom), M. Munang, C. Chan, S. Chaudhri, M. Himayakanthan, S. Laird, A. Moltu, N. Naworynsky, C. Pollard, T. Saeed, P. Scott, M. Sussman, S. Thein, G. Trafford, N. Jenkins, A. Balaji
- P2071** Defining the clinical characteristics, aetiology and outcome of adults hospitalized with acute undifferentiated febrile illness in the UK: a prospective pilot study  
*R. Houghton\** (Portsmouth, United Kingdom), D. Cleary, T. Clark
- P2072** Multiplex real-time PCR on whole blood to diagnose bloodstream infections in critically ill patients: a first evaluation in clinical samples  
*K. van de Groep\** (Utrecht, Netherlands), M. Bos, P. Savelkoul, T. Van der Poll, N. Juffermans, M. Bonten, O. Cremer
- P2073** Predictors of mortality in patients with infectious diseases and autoimmunity in critical care  
*J. Aponte\** (Bogotá, Colombia), J. Carrizosa, A. Sanchez, M. Ospina, C. Gamboa
- P2074** Multi-marker approach using procalcitonin, presepsin, galectin-3, and soluble suppression of tumorigenicity 2 in sepsis  
*H. Kim\** (Seoul, South Korea), H. Kim, M. Hur, H. Moon, Y. Yun, S. Di Somma
- P2075** Outcomes of an adult inpatient sepsis pathway in a tertiary regional hospital  
*S. Bond\** (Wollongong, Australia), K. Cipko, A. Reid
- P2076** Surveillance of community-acquired severe sepsis and septic shock in Pauls Stradins Clinical University Hospital: interim results  
*L. Puceta\** (Riga, Latvia), A. Zilde, P. Oss, G. Freijis, U. Dumpis
- P2077** Risk factors of streptococcal toxic shock syndrome in patients with beta-streptococcal bacteraemia  
*M. Suzuki\** (Tokyo, Japan), K. Furukawa, A. Sakurai, F. Omata
- P2078** The diagnostic value of PCT as biomarker in patients suspected with community-onset bacterial sepsis  
*D. Tilevik\** (Skövde, Sweden), L. Ljungström, A. Pernestig, G. Jacobsson
- P2079** Molecular and clinical characterization of invasive listeriosis in Taiwan, 2000–2015  
*Y. Huang\** (Taipei, Taiwan), P. Hsueh, C. Liao
- P2080** Bacterial load and bacterial molecular markers associated with neonatal group B *Streptococcus*  
*F. Seedat\** (Coventry, United Kingdom), C. Brown, C. Stinton, J. Patterson, J. Geppert, O. Uthman, E. Robinson, N. McCarthy, K. Freeman, B. Tan, S. Johnson, H. Fraser, A. Clarke, S. Taylor-Phillips
- P2081** CRISPR-Cas system use for *Staphylococcus epidermidis* strain typing in neonatal nosocomial bacteraemia  
*C. Rouard\** (Clamart, France), H. Bensekhri, E. Schwartz, G. Refrégier, F. Doucet-Populaire, N. Bourgeoi
- P2082** Evaluating the analytical sensitivity of Qvella's FAST(TM) ID system for early detection and identification of bloodstream infection in whole blood  
*A. Khine\** (Richmond Hill, Canada), V. Parmar, A. Talebpour, R. Maaskant, T. Alavie
- P2083** Raman spectroscopical profiling of neutrophils activated by new sepsis biomarker CAAP48  
*N. Töpfer\** (Jena, Germany), N. Blaurock, D. Schmerler, A. Ramoji, M. Dahms, O. Kurzai, J. Popp, M. Kiehntopf, U. Neugebauer
- P2084** Rapid pathogen identification of bloodstream infections in septic patients through PCR/ESI-MS technology  
*A. Fabrega Santamaria\** (Barcelona, Spain), E. Papiol, A. Mir-Cros, J. Baldirà, N. Larrosa, J. Ruiz, A. Ruiz, J. Llaneras, B. Viñado, E. Molas, P. Domingo, R. Bartolomé, T. Pumarola Sole, R. Ferrer, J. González-López
- P2085** Validation of quick SOFA in predicting in-hospital mortality in a cohort of non-ICU cirrhotic patients with community onset infection  
*M. Bartoletti\** (Bologna, Italy), L. Marconi, M. Rinaldi, C. Campoli, M. Baldassarre, S. Tedeschi, P. Caraceni, F. Cristini, G. Verucchi, M. Giannella, M. Bernardi, P. Viale
- P2086** CAAP48, a proteolytic fragment of alpha-1-antitrypsin, contributes to hepatic dysfunction in sepsis  
*N. Blaurock\** (Jena, Germany), M. Gröger, A. Mosig, M. Kiehntopf, D. Schmerler

**P2087** Presepsin levels in cirrhotic patients with bacterial infections presented with or without acute kidney injury  
I. Elefsiniotis\* (Athens, Greece), S. Tsakiris, G. Barla, E. Evangelidou, D. Vrachatis, C. Mavrogiannis

**P099** 12:30 – 13:30

# Zoonotic infections

**P2088** Incidence and susceptibility profile of *Arcobacter butzleri*, and emerging food pathogen in Germany  
S. Zimmermann\* (Heidelberg, Germany), A. Dalpke, I. Burckhardt, Y. Uehara, Y. Yamauchi

**P2089** Identification and susceptibility testing of staphylococcal isolates from subclinical mastitis in ewes in Greece  
E. Petinaki\* (Larissa, Greece), E. Malli, N. Vasileiou, S. Sarrou, D. Chatzopoulos, K. Ioannidi, V. Mavrogianni, C. Chatedaki, C. Billinis, G. Fthenakis

**P2090** Prevalence and characterization of *stx* and/or *eae*-positive *Escherichia coli* strains isolated from wildlife  
C. Alonso\* (Logroño, Spain), A. Mora, D. Díaz, D. González-Barrio, F. Ruiz-Fons, C. Simón, J. Blanco, C. Torres

**P2091** Risk factors for acute respiratory distress syndrome (ARDS) in scrub typhus patients  
D. Varma\* (Manipal Karnataka, India), M. Koralur, A. Kamath, I. Bairy, S. Vidyasagar

**P2092** Determination of epidemiological characteristics of animal *Brucella* strains by multi-locus variable number tandem repeat analysis and pulsed-field gel electrophoresis in Turkey  
C. Onlen\* (Adana, Turkey), T. Nagiyev, T. Guven, S. Aslan, T. Kandemir, F. Köksal

**P2093** Presence of *Rickettsia* species DNA in *Ixodes* ticks and in the blood of patients with fever in Belarus in years 2014–2015  
V. Kniazeva\* (Minsk, Belarus), A. Krasko

**P2094** Detection of *Rickettsia conorii* using molecular techniques among a cohort of patients presenting with acute febrile illness in North India  
K. Zaman\* (Chandigarh, India), A. Kumar, S. Gopi, S. Vig, V. Suri, A. Bhalla, M. Biswal

**P2095** Treatment of chronic Q fever: data from a nationwide cohort study  
S. Van Roeden\* (Utrecht, Netherlands), C. Bleeker-Rovers, M. de Regt, L. Kampschreur, A. Hoepelman, P. Wever, J. Oosterheert

**P2096** Effectiveness of long-term doxycycline treatment and cognitive behavioural therapy on fatigue severity in patients with Q fever fatigue syndrome (Qure study); a randomized controlled trial  
S. Keijmel\* (Nijmegen, Netherlands), C. Delsing, G. Bleijenberg, J. Van der Meer, R. Donders, M. Leclercq, L. Kampschreur, M. Van den Berg, T. Sprong, M. Nabuurs-Franssen, H. Knoop, C. Bleeker-Rovers

**P2097** Autoimmunity and cryoglobulinaemia in chronic Q fever pose diagnostic and therapeutic challenges  
R. Raijmakers\* (Nijmegen, Netherlands), A. Jansen, R. van der Molen, M. van Deuren, C. Bleeker-Rovers

**P2098** Are red deer, roe deer and fallow deer the source of *Leptospira* infection and a threat for hunters?  
M. Pomorska-Mól\* (Puławy, Poland), J. Żmudzki, A. Jabłoński, S. Zębek, A. Nowak

**P2099** *Bartonella henselae* bacteria are not living in lymph nodes of patients with cat scratch disease  
E. Prudent\* (Marseille, France), M. Angelakis, H. Lepidi, D. Raoult

**P2100** Use of whole-genome sequencing to characterize a cluster of Gram-negative bacilli of the family Xanthomonadaceae infecting humans by zoonotic transmission  
A. Bernier\* (Winnipeg, Canada), K. Bernard

**P2101** Comparative effectiveness and toxicity of oral antibiotics for early Lyme disease associated with erythema migrans: a systematic review and network meta-analysis  
J. Han\* (Boston, United States), H. Meissner, M. Osani, F. Noubary, K. Freund, R. Bannuru

**P2102** Increased incidence of non-Hodgkin lymphoma in chronic Q fever patients  
C. Donkers\* (Utrecht, Netherlands), S. Van Roeden, J. Oosterheert, C. Bleeker-Rovers, A. Hoepelman, L. Kampschreur, P. Wever

**P2103** Bacterial microbiome diversity in *Amblyomma americanum* ticks from Arkansas, United States  
S. Thapa\* (Fort Worth, United States), Y. Zhang, E. Mitchell, M. Allen

**P2104** *Bordetella bronchiseptica* infection in cancer patients  
A. Szvalb\* (Houston, United States), N. Mori, G. Viola, V. Mulanovich

**P2105** Evidence for *Borrelia miyamotoi* infection of ticks and in febrile patients after tick bite in France  
P. Boyer\* (Strasbourg, France), L. Zilliox, J. Koetsveld, S. de Martino, Y. Hansmann, N. Boulanger, J. Hovius, B. Jaulhac



**P2106** **Fever of unknown origin in patients with cat scratch disease**  
*M. Landes\* (Tel Aviv, Israel), Y. Maor, E. Bilavsky, B. Chazan, R. Cohen, D. Glikman, J. Strahilevitz, M. Katzir, V. Litachevsky, R. Melamed, Z. Habet-Wilner, M. Paul, O. Zimhony, I. Srugo, G. Rahav, J. Bishara, M. Rasis, R. Ben-Ami, M. Ephros, M. Giladi*

**P100** **12:30 – 13:30**

**Bacterial meningitis: diagnosis and epidemiology**

**P2107** **Bacterial meningitis in Bulgaria: 2013–2016**  
*S. Panaiotov\* (Sofia, Bulgaria), I. Simeonovski, V. Levterova, N. Brankova, A. Kurchatova, I. Filipova, T. Kantardjiev*

**P2108** **Meningococcal meningitis attack rate in Indonesian Hajj pilgrims, 1987 to 2006**  
*M. Pane\* (Jakarta, Indonesia), S. Imari*

**P2109** **Nonfermenting Gram-negative bacilli meningitis in neurosurgical elderly patients with intraventricular catheters**  
*A. Rodriguez-Guardado\* (Oviedo, Spain), C. Rodríguez Lucas, J. Fernandez-Suarez, J. Boga, M. Álvarez, C. Menendez, F. Vazquez, M. Telenti*

**P2110** **Invasive meningococcal disease in two Italian regions: a prediction of the risk of death**  
*N. Carannante\* (Napoli, Italy), C. Tascini, F. Salani, E. Sozio, F. Sbrana, A. Ripoli, F. Cellai, S. Sani, P. Roncucci, A. Bartoloni, J. Mencarini, I. Calamai, D. Aquilini, C. Rescigno, P. Pagliano, A. Izzì, R. di Sarno, F. Fraganza, L. Monastra, F. Menichetti*

**P2111** **Meningococcal meningitis in a southern Italy area, epidemiology, microbiology, clinical manifestations and outcome**  
*P. Pagliano\* (Napoli, Italy), C. Rescigno, T. Ascione, F. Tortora, F. Faella*

**P2112** **Molecular typing and antibiotics sensitivity of *Neisseria meningitidis* strains isolated in Algeria**  
*T. Hassiba\* (Algiers, Algeria), L. Rym, B. Guettou, K. Rahal*

**P2113** **Prognosis factors of community-acquired bacterial meningitis treated with ceftriaxone. Preliminary results of "High-Dose Ceftriaxone in Central Nervous System Infections", a prospective multicentre cohort study**  
*P. Le Turnier\* (Nantes, France), D. Navas, M. Dalichampt, E. Dailly, D. Garot, T. Guimard, P. Tattevin, M. Ogielska, Y. Vandamme, J. Hoff, M. Dary, D. Boutoille, V. Sébille, N. Asseray Madani*

**P2114** **Sonication improves microbial detection in ventriculo-peritoneal shunt-associated infections**  
*N. Renz\* (Berlin, Germany), T. Finger, V. Prinz, P. Vajkoczy, A. Trampuz*

**P2115** **A case of meningitis and brain abscess caused by *Streptococcus constellatus***  
*K. Yilmaz\* (Sakarya, Turkey), T. Demiray, M. Koroglu, O. Karabay, M. Altindis, A. Simsek*

**P2116** **Prevalence of *Neisseria meningitidis* serogroups among paediatric meningitis cases in Athens, during period 2006–2015**  
*C. Skevaki\* (Marburg, Germany), A. Stathi, M. Mika, G. Tzanakaki, K. Kesanopoulos, A. Xirogianni, A. Michos, V. Spoulou, A. Pangalis, L. Zachariadou, A. Charisiadou*

**P2117** **Bacterial meningitis: aetiology, drug susceptibility and mortality rate in a university hospital in Thailand**  
*P. Opartpunyasarn\* (Bangkok, Thailand), G. Suwanpimolkul*

**P101** **12:30 – 13:30**

**What is hot in *Staphylococcus aureus* bloodstream infection?**

**P2118** **Targeting coagulase activity in *S. aureus* bacteraemia: a randomized controlled single-centre trial of staphylothrbin inhibition**  
*L. Liesenborghs\* (Leuven, Belgium), M. Peetermans, T. Vanassche, K. Peerlinck, E. Van Wijngaerden, D. Gheysens, K. Goffin, M. Hoylaerts, M. Jacquemin, J. Verhaegen, W. Peetermans, P. Verhamme*

**P2119** **Quality-of-care indicator-guided management of *Staphylococcus aureus* bacteraemia in a secondary care hospital in Belgium**  
*P. De Kesel\* (Ghent, Belgium), H. De Beenhouwer, K. Van Vaerenbergh, A. Boel*

**P2120** **Impact of MALDI-TOF MS associated to PCR MRSA-BC in methicillin-sensitive *Staphylococcus aureus* bacteraemia**  
*A. Le Monnier\* (Paris, France), J. Lourtet Hascoet, J. Tek, B. Pilmsis, A. Mizrahi*

**P2121** **Time to blood culture positivity is an independent predictor of mortality, and endocarditis, in patients with *Staphylococcus aureus* bacteraemia**  
*P. Tattevin\* (Rennes, France), S. Siméon, V. Le Moing, S. Tubiana, X. Duval, D. Fournier, J. Lavigne, T. Lelekov-Boissard, F. Vandenesch*

**P2122** ***Staphylococcus aureus* bacteriuria: don't miss the infective endocarditis**  
*O. Epaulard\* (Grenoble, France), F. Andry, S. Boisset*

- P2123** Assessments of clinical outcomes in methicillin-resistant *Staphylococcus aureus* (MRSA) bacteraemia treated with high and low-dose daptomycin  
T. Timbrook\* (Providence, United States), K. LaPlante, A. Caffrey
- P2124** Onset of symptoms, diagnostic confirmation, and metastatic infection in patients with *Staphylococcus aureus* bacteraemia: what is the order of events?  
J. Smit\* (Aalborg, Denmark), S. Rieg, A. Wendel, W. Kern, H. Seifert, H. Schonheyder, A. Kaasch
- P2125** Does echocardiography improve the outcome of *Staphylococcus aureus* bacteraemia?  
C. Kim\* (Seoul, South Korea), K. Song, E. Kim, N. Kim, P. Choe, K. Park, S. Kang, H. Kim, S. Lee, S. Cheon, H. Jang, Y. Kwak, K. Hye-In, J. Jeon, H. Kim
- P2126** Outcomes in patients with *Staphylococcus aureus* bacteraemia treated with dalbavancin in clinical trials  
U. Rappo\* (Jersey City, United States), P. Gonzalez, K. Akinapelli, J. McGregor, S. Puttagunta, M. Dunne
- P2127** Is surgery necessary in all cases of *S. aureus* prosthetic valve endocarditis?  
A. Plata Ciezar\* (Malaga, Spain), J. Reguera Iglesias, F. Martínez Marcos, E. Cabrera, J. Galvez, J. Ruiz Morales, J. de la Torre Lima, D. Vinuesa García, C. Hidalgo Tenorio, J. Lomas-Cabeza, A. de Alarcón
- P2128** The impact of beta-lactam and daptomycin combination on outcomes of methicillin-susceptible *Staphylococcus aureus* bacteraemia  
M. Pujol\* (Barcelona, Spain), S. Grillo, J. Carratalà, G. Cuervo, I. Grau, D. Murillo, E. Shaw, C. Ardanuy Tisaire
- P2129** Novel combination of vancomycin (VAN) and cefazolin (CFZ) or ertapenem (ERT): a synergistic combination for complicated *Staphylococcus aureus* bacteraemia  
M. Malviya\* (West Bloomfield, United States), M. Rybak, N. Singh, N. Tran
- P2130** Reduced mortality of patients receiving daptomycin plus ceftaroline compared to standard monotherapy in MRSA bacteraemia: a matched case-control study  
W. Rose\* (Madison, United States), E. McCreary, L. Schulz, K. Ouellette, L. Vasina, M. Geriak, G. Sakoulas
- P2131** Outcomes associated with methicillin-resistant *Staphylococcus aureus* pneumonia with concurrent bacteraemia  
T. Trinh\* (Detroit, United States), E. Zasowski, A. Lagnf, M. Rybak
- P2132** Low predictive value of the Pitt bacteraemia score in *Staphylococcus aureus* bloodstream infection  
J. Roth\* (Basel, Switzerland), S. Tschudin Sutter, M. Dangel, R. Frei, M. Battegay, A. Widmer
- P2133** Impact of Cepheid blood PCR combined with antimicrobial stewardship intervention on *Staphylococcus aureus* bacteraemia: a community hospital approach  
N. Hashem\* (Lancaster, United States), M. Casias, M. Horst, J. Kontra
- P2134** 18F-FDG-PET/CT in *Staphylococcus aureus* bacteraemia: an important diagnostic tool  
M. Berrevoets\* (Nijmegen, Netherlands), I. Kouijzer, E. Aarntzen, M. Janssen, L. de Geus-Dei, H. Wertheim, W. Oyen, B. Kullberg, J. Ten Oever, C. Bleeker-Rovers
- P2135** Penicillin-susceptible *Staphylococcus aureus* (PSSA) bacteraemia: treatment outcomes with penicillin, anti-staphylococcal beta-lactams and other antimicrobials, and the performance of the penicillin zone-edge test versus molecular detection of *blaZ*  
S. Vasoo\* (Singapore, Singapore), H. Mok, S. Bergin, P. Hon, D. Lye, P. De, C. Teng
- P2136** Comparison of hospitals regarding case fatality rates associated with *Staphylococcus aureus* bloodstream infection constitute a useful tool to increase patient safety?  
A. Kaasch\* (Düsseldorf, Germany), K. Nambiar, G. Barlow, J. Cisneros Herreros, J. Edgeworth, M. Gurgui, S. Hopkins, H. Kim, C. Liao, L. Lopez-Cortes, L. Morata, E. Nsutebu, J. Pérez, S. Rieg, F. Ruffin, M. Scarborough, R. Tilley, E. Török, P. Wilson, M. Llewelyn
- P2137** Vancomycin versus vancomycin plus beta-lactam for methicillin-resistant *Staphylococcus aureus* bloodstream infections: a retrospective cohort study  
M. Merzlyakova\* (Detroit, United States), S. Atwan, T. Trinh, E. Zasowski, M. Rybak
- P2138** Comparison of cloxacillin (CLO) plus vancomycin (VAN) vs. cloxacillin plus daptomycin (DAP) for the treatment of methicillin-resistant *Staphylococcus aureus* (MRSA) experimental aortic endocarditis (EE)  
C. Garcia-de-la-Maria\* (Barcelona, Spain), J. Garcia Gonzalez, J. Pericas Pulido, M. Almela, E. Quintana, C. Falces, B. Vidal, J. Ambrosioni, J. Llopis, A. Moreno, J. Miro

- P2139** **Effect of vancomycin minimum inhibitory concentration on the efficacy of cefazolin daptomycin and ceftobiprole in an experimental rabbit endocarditis model caused by methicillin-susceptible *Staphylococcus aureus***

*R. Lecomte\* (Nantes, France), J. Caillon, C. Jacqueline, V. Le Mabeccque, D. Boutoille*

- P2140** **Statin use and risk of community-acquired *Staphylococcus aureus* bacteraemia: a population-based case-control study**

*J. Smit\* (Aalborg, Denmark), L. Lopez-Cortes, R. Thomsen, H. Schonheyder, H. Nielsen, T. Frøslev, J. Rodríguez-Baño, M. Søgaard*

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# ePoster Viewing

Saturday, 22 April 2017 – Tuesday, 25 April 2017

EV001 08:45 – 15:30

## Abdominal/gastrointestinal, urinary tract & genital infections

- EV0001** Seroprevalence of *Toxoplasma gondii*, cytomegalovirus and rubella virus among Greek and immigrant pregnant women  
E. Kouskouni\* (Athens, Greece), S. Baka, E. Saltaoura, V. Gennimata
- EV0002** Proteomics analysis of uropathogenic *Escherichia coli* sequence type 127  
N. Saeedi\* (Plymouth, United Kingdom), V. Sharma, S. Jackson, M. Upton
- EV0004** Occurance and identification of *Prototheca* species in cow's milk in Poland  
T. Jagielski\* (Warsaw, Poland), Z. Bakula, A. Ratajczyk, Ł. Wlazło, M. Bochniarz, T. Piech, H. Krukowski
- EV0005** Clinical isolate identified as a novel species of *Blastococcus*  
L. Svensson\* (Gothenburg, Sweden), H. Engström Jakobsson, E. Moore
- EV0006** *In vitro* susceptibility of *Campylobacter* species against newer antimicrobial agents: a search for alternate treatment options  
F. Farooqui\* (Karachi, Pakistan), I. Iftikhar, S. Irfan
- EV0008** Inhibitory effect of carrageenan on *Chlamydia* infection *in vitro* and *in vivo*  
E. Ghasemian\* (Vienna, Austria), N. Schürer, E. Stein, A. Inic-Kanada, S. Belij, M. Stojanovic, E. Marinkovic, A. Filipovic, T. Barisani-Asenbauer
- EV0009** Development of a new compatibility test to select the most suitable donor for faecal microbiota transplantation in ulcerative colitis  
M. Ponce-Alonso\* (Madrid, Spain), S. García-Fernández, M. Cobo, J. Caballero Pérez, J. Foruny, G. Roy, A. López San Román, R. Canton Moreno, R. del Campo

EV0010

## Genotyping characterization by PFGE and geolocalization of *Salmonella* Typhi isolates 2012–2015 in Colombia

P. Díaz Guevara\* (Bogotá, Colombia), G. Zabaleta, L. Montaña, J. Martinez, W. León, A. Della Gaspera, C. Duarte, N. Florez, C. Alvarez, J. Guerrero, C. Castañeda, D. Napoli, I. Chinen, J. Campos, E. Pérez, S. Baker

EV0011

## Incidence of *Chlamydia trachomatis* infection in high-risk human papilloma virus infected young women

I. Hadji Petrusheva Meloska\* (Skopje, Macedonia), K. Icev, A. Hadji-Petrusheva Jankijevikj, B. Curcic-Trajkovska

EV002 08:45 – 15:30

## Antimicrobial resistance development in *Clostridium difficile*

- EV0012** Rifaximin-resistant *C. difficile* strains isolated from symptomatic patients: use of rifampicin Etest as a predictor for rifaximin resistance  
E. Reigadas\* (Madrid, Spain), L. Alcalá, P. Muñoz-Pacheco, M. Marín, A. Martín, E. Bouza
- EV0013** Antibiotic resistance in Irish *Clostridium difficile* isolates of human, porcine and equine origin  
K. Stein\* (Dublin, Ireland), F. Hegarty, S. Fitzgerald, F. Roche, K. Burns, F. Fitzpatrick, S. McDermott, D. Drudy, L. Fenelon
- EV0014** *In vitro* activity of fidaxomicin and other antibiotics against *Clostridium difficile* isolates from a university teaching hospital in China  
M. Zhou\* (Beijing, China), J. Cheng, Y. Xu

EV003 08:45 – 15:30

## Antiviral drugs, treatment, susceptibility and resistance

- EV0015** Preemptive therapy for prevention of cytomegalovirus disease in kidney transplant recipients  
P. Grossi\* (Varese, Italy), D. Dalla Gasperina, A. Petrolo, M. Balsamo, A. Rossi, G. Carcano

**EV0016** Six months antiviral treatment in newborns affected by congenital CMV infection: experience of an Italian cohort  
P.D'Argenio\* (Rome, Italy), M. De Luca, L. Romani, L. Gargiullo, P.D'Argenio, N. Iavarone, S. Chiurchiù, S. Bernardi, P. Rossi, H. Tchidjouku, F. Calò Carducci

**EV0017** Antiviral drug-resistance of human cytomegalovirus: genotypic characterization of UL97 polymorphisms by viral DNA sequencing  
F. Sidoti\* (Turin, Italy), M. Peradotto, C. Balloco, G. Bianco, S. Brossa, A. Curtioni, R. Cavallo, C. Costa

**EV0018** Cyclin-dependent kinase 1 is a key regulator protein in human papillomavirus type 16-positive cervical cancer: a network-based study  
V. Poortahmasebi\* (Tehran, Iran), A. Ataei, S. Jazayeri, M. Poorebrahim, M. Amiri

**EV0019** Human cytomegalovirus infection downregulates vitamin-D receptor in mammalian cells  
F. Rieder\* (Vienna, Austria), C. Groeschel, M. Kastner, K. Kosulin, J. Längle, R. Zadnikar, R. Marculescu, M. Schneider, T. Lion, M. Bergmann, E. Kallay, C. Steininger

**EV004** 08:45 – 15:30

**Bacterial infection & disease**

**EV0020** *Enterococcus faecium* L-3 in eradication of *Helicobacter pylori*  
S. Sidorenko\* (St. Petersburg, Russian Federation), N. Baryshnikova, Y. Uspenskiy, A. Suvorov

**EV0022** Antibiotics susceptibility and eradication rates in pluritreated pangastritis patients infected by *Helicobacter pylori* at a university hospital in Rome (Italy)  
M. Mascellino\* (Rome, Italy), B. Porowska, M. De Angelis, A. Oliva

**EV0023** Recurrence rate after CRP guided risk-adapted antibiotic therapy in patients with pyogenic vertebral osteomyelitis  
H. Jeong\* (Seoul, South Korea), S. Choi, S. Cho, S. Kim, C. Chough, K. Kim, J. Lee

**EV0024** *Clostridium difficile* toxin B positivity among the patients with nosocomial diarrhea  
H. Arslan\* (Ankara, Turkey), M. Demirkaya, A. Yesilkaya, Ö. Azap

**EV0025** Ceftolozane/tazobactam in the treatment of SSTI and osteomyelitis due to extensively drug-resistant *Pseudomonas aeruginosa* (XDR-P): clinical and microbiological outcomes  
B. Dietl\* (Terrassa, Spain), I. Sanchez, P. Arcenillas, E. Cuchí Burgos, L. Gómez, F. Gonzalez de Molina, L. Boix Palop, J. Nicolas, E. Calbo

**EV0026** Gastric microbiota associated to *Helicobacter pylori* and its relationship on the gastric disease in two populations in southwestern Colombia  
J. Caguazango\* (Pasto, Colombia), A. Pazos Moncayo, L. Bravo

**EV0027** A case-control study of *Clostridium difficile* infection in the "Mancha Centro" health care area (Spain)  
M. Asencio\* (Alcazar de San Juan, Spain), C. Muñoz Cuevas, M. Huertas, R. Carranza González, M. Franco, H. Patiño, J. Castellanos, J. Barberá, P. Alcázar, Á. Arias, O. Redondo

**EV0028** Serum galectin-3 levels in *Helicobacter pylori*-related gastric pathologies  
E. Kazakos\* (Kozani, Greece), S. Stefanidis, C. Tsakitsidou, I. Kountouras

**EV0029** Emergence of hypervirulent *Bordetella pertussis* strains in southern Italy  
D. Loconsole\* (Bari, Italy), A. De Robertis, A. Metallo, A. Morea, D. Casulli, D. Pepe, M. Chironna

**EV005** 08:45 – 15:30

**Bacterial susceptibility & resistance**

**EV0030** Comparison of the Carba-NP, RAPIDEC CARBA NP, Rapid CARB Blue and carbapenem inactivation method for the detection of carbapenemase-producing *Enterobacteriaceae*  
B. Tan\* (Singapore, Singapore), S. Goh

**EV0031** Evaluation of the carbapenem inactivation method (CIM) for rapid phenotypic detection of carbapenemases in *Enterobacteriaceae*  
N. Pfennigwerth\* (Bochum, Germany), B. Janzik, M. Korte-Berwanger, S. Gattermann

**EV0032** Comparative *in vitro* activity of sitafloxacin against clinical isolates of multidrug-resistant *Acinetobacter baumannii* in Thailand  
T. Paiboonvong\* (Bangkok, Thailand), P. Montakantikul, J. Houngsaitong, M. Chomnawang, C. Pummangura

**EV0033** Multicentre evaluation of trimethoprim MIC results for *Enterobacteriaceae* using MicroScan dried Gram-negative MIC panels  
D. Carpenter\* (West Sacramento, United States), R. Humphries, J. Hindler, P. Schreckenberger, J. Tjho, M. Weinstein, S. Wood, J. Chau



**EV0034** Drug susceptibility testing challenges in multi-drug resistant tuberculosis- experience of the Constanta, Romania Laboratory  
I. Balas\* (Constanta, Romania), V. Cojocaru, C. Ionescu, G. Jercan, A. Mocanu, Z. Sora, M. Miha

**EV0035** *In vitro* and *in vivo* efficacy of different antibiotic combinations against high-risk clones of *Pseudomonas aeruginosa*  
J. Basas Satorras\* (Barcelona, Spain), A. Morer Escándil, C. Ratia Loncán, M. Larrosa, A. Oliver, R. Canton Moreno, R. Ferrer, X. Gomis, S. Grau, J. Vima, E. Torrents, B. Almirante, J. Gavalda

**EV0036** Synergistic activity of mecillinam in combination with amoxicillin and clavulanic acid against ESBL-producing *Escherichia coli* in static time-kill experiments  
T. Tangden\* (Uppsala, Sweden), K. Skarp, A. Shams, H. Montelin, P. Lagerbäck, T. Tängdén

**EV0037** Genotypic characterization of vancomycin-resistant *Enterococcus* spp. in tertiary center, Iran  
S. Shokouhi\* (Tehran, Iran), I. Alavi Darazam, M. Rouhani, M. Ghasemnejad

**EV0038** Development of an antimicrobial susceptibility test (AST) for the antistaphylococcal lysin CF-301  
R. Schuch\* (Yonkers, United States), J. Oh, K. Sauve, M. Wittekind, J. Ambler

**EV0039** Influence of sample quality on qPCR MRSA detection vs microbiological cultivation  
T. Müller\* (Weiden, Germany), R. Wurlitzer, B. Lippert, K. Beyser, C. Klos, C. Aepinus

**EV0040** A new flow cytometric assay for detection of ESBLs among group 2 Enterobacteriaceae  
C. Pina-Vaz\* (Porto, Portugal), N. Arêde-Marques, R. Teixeira-Santos, I. Martins-Oliveira, A. Silva-Dias, S. Costa-de-Oliveira, A. Silva, A. Rodrigues

**EV0041** Detection of *Staphylococcus aureus* and confirmation of methicillin-resistant *S. aureus* in the American Hospital Tirane.  
E. Puca\* (Tirana, Albania), A. Daka, P. Oltiana, S. Mucaj

**EV0043** *Bacteroides fragilis* division II (*cfiA* metallo-beta-lactamase positive) prevalence and resistance to meropenem in Danish clinical and faecal isolates  
U. Justesen\* (Odense, Denmark), T. Vognbjerg Sydenham, S. Schwensen, K. Hansen, C. Østergaard

**EV0044** Assessing the antibiotic resistance levels of the human intestinal *Bacteroides* and *Parabacteroides* species  
J. Soki\* (Szeged, Hungary), K. Ördög, G. Stefán, E. Urbán, E. Nagy

**EV0045** *Prevotella timonensis*: a study on seventy-seven strains isolated since 2007 at the university hospital of Montpellier, France  
H. Jean-Pierre\* (Montpellier, France), S. Aberkane, A. Michon, C. Laurens, N. Bouzinbi, A. Appelgren, M. Didelot, C. Carriere, S. Godreuil

**EV0046** Molecular characterization of multidrug-resistant *Bacteroides* isolates from Hungarian clinical samples  
K. Sarvari\* (Szeged, Hungary), E. Urbán, J. Soki, C. Miszt, M. Ivan, S. Melegh, K. Latkoczy

**EV0047** Antimicrobial susceptibility of *Bacteroides fragilis* group isolates derived from clinical specimens in southeast Austria  
E. Ullrich\* (Graz, Austria), H. Ziegler, G. Feierl, A. Grisold, E. Leitner

**EV0048** UK *Bacteroides* antimicrobial resistance surveillance 2016  
H. Hughes\* (Cardiff, United Kingdom), S. Copsey, S. Scotford, B. Anderson, C. Davis, T. Morris

**EV0049** Point-prevalence survey of *Clostridium difficile* and multidrug-resistant organism colonization among nursing-home residents in Ireland and the Netherlands  
E. Kuijper\* (Leiden, Netherlands), S. Van Dorp, E. Everan, E. Terveer, L. Kearns, M. Fitzpatrick, M. Alexander, D. Wopereis, I. Verzijl, M. Caljouw, A. Martin, F. Fitzpatrick

**EV0050** Metronidazole resistance in anaerobes  
T. Morris\* (Cardiff, United Kingdom), S. Copsey, M. Perry, T. Connor, P. Wright, S. K. De, H. Hughes

**EV006** 08:45 – 15:30

**Bacteroides** and other anaerobes

**EV0042** Characterization of reduced susceptibility to metronidazole in epidemic *Clostridium difficile* clinical isolates  
D. Mohammed\* (Hatfield, United Kingdom), K. Graeme-Cook, M. Wilcox, S. Baines

**EV007** 08:45 – 15:30

**Crossing species – zoonotic bacterial diseases**

**EV0051** *Coxiella burnetii* shedding in milk of dairy cattle in Iran, prevalence and risk factors  
F. Khorvash\* (Isfahan, Iran), B. Ataei, Z. Nokhodian, A. Feizi, A. Moradi, M. Yaran, S. Hoseini, M. Hosseini

- EV0052** **Experiences with detection of *Coxiella* exposure using an IGRA for Q-fever, Q-detect**  
A. Garritsen\* (Oss, Netherlands), A. Scholzen, M. de Vries, M. Van der Zanden
- EV0053** **Serologic confirmation of Lyme carditis based on Western blot analysis**  
C. Pavia\* (Old Westbury, United States), M. Plummer, G. Norman
- EV0054** ***Borrelia mayonii*: a species limited to the US?**  
P. Boyer\* (Strasbourg, France), S. de Martino, Y. Hansmann, L. Zilliox, N. Boulanger, B. Jaulhac
- EV0055** **Severe rickettsiosis : just to be thought!**  
K. Makram\* (Sfax, Tunisia), M. Gargouri, Y. Mejdoub, S. Mezghani, I. Maaloul, A. Hammami, M. Ben Jemaa
- EV0056** **A case of barrack-acquired pneumonia (the “Balkan flu” strikes back)**  
A. Kritikos\* (Lausanne, Switzerland), G. Benoit, J. Delaloye
- EV0057** **Atypical bacterial infections: a frequent summer pathology in Tunisia**  
M. Wafa\* (Monastir, Tunisia), A. Mzabi, A. Rezgui, M. Karmani, B. Mrad, F. Ben Fredj, C. Kechrid Laouani
- EV0058** **Prevalence and diversity of *Bartonella* species circulating among rodents in the Canary Islands, Spain**  
N. Martín-Carrillo\* (La Laguna, Spain), A. Martin-Alonso, E. Abreu-Yanes, A. Marrero-Gagliardi, K. García Livia, E. Izquierdo Rodríguez, C. Feliu, P. Foronda Rodríguez
- EV0059** **Macular star as predictable sign of ocular manifestation of cat scratch disease**  
C. Maurel\* (Trieste, Italy), S. Di Bella, S. Rinaldi, R. Luzzati
- EV0060** **Downsides of cuddling with the cat**  
I. Zollner-Schwetz\* (Graz, Austria), E. Leitner, H. Christensen, G. Feierl, V. Hammer, M. Schumacher
- EV0061** **Leptospirosis in Georgia**  
E. Vashakidze\* (Tbilisi, Georgia), T. Megrelishvili, L. Mikadze, E. Pachkoria, N. Kipiani, N. Gugulashvili
- EV0062** **Exsudative otitis externa in a man by toxigenic *Corynebacterium ulcerans* acquired from his pet dog**  
A. Sing\* (Oberschleissheim, Germany), A. Berger, A. Mazick, M. Müller, G. Valente-Ferro, W. Hellenbrand, E. Mertens, G. Pallasch
- EV0063** ***Brucella* spondylodiscitis in Tunisia: review of 50 cases**  
D. Slama\* (Sousse, Tunisia), Z. Hattab, A. Farah, N. Ben Lasfer, F. Bellazreg, E. Bouajina, W. Hachfi, A. Omezzine
- EV0064** **Emergence of *Brucella suis* biovar 2 in humans in France**  
A. Mailles\* (Saint-Maurice, France), M. Ogielska, F. Kemiche, B. Garin-Bastuji, N. Brieu, Z. Burnusus, A. Creuwels, M. Danjean, P. Guiet, V. Nasser, B. Tourrand, F. Valour, M. Maurin, D. O’Callaghan, V. Mick, V. Vaillant, M. Jay, J. Lavigne, H. De Valk
- EV0065** **Study of the avian *Salmonella* contribution to human salmonellosis in Chad: Example of the capital, N’Djamena**  
T. Djim-adjim\* (N’Djamena, Chad), S. Granier
- EV0066** **Infections by *Pasteurella* spp. (2005–2016): clinical, epidemiological and microbiological characteristics**  
G. Barbeito Castiñeiras\* (A Coruña, Spain), M. Ladra-González, L. Ferreira Fernández, M. Hernandez Blanco, M. Gómez Rial, R. Trastoy, M. Tamara, A. Vallejo, M. Rodríguez Velasco, M. Perez del Molino
- EV0067** **A fishy tale prevents digital doom following Polly’s peck: the importance of pets in a comprehensive medical history**  
T. Wingfield\* (Liverpool, United Kingdom), P. Simpson, M. Przybylo, T. Blanchard
- EV0068** **Adjunctive corticosteroids for Lyme neuroborreliosis with peripheral facial palsy treated with oral doxycycline**  
D. Bremell\* (Gothenburg, Sweden), L. Hagberg

EV008 08:45 – 15:30

#### Diagnostic bacteriology & general microbiology

- EV0069** **Identification and prevalence of *Mycobacterium* species by molecular method in southern Iran**  
G. Sami Kashkooli\* (Shiraz, Iran), H. Ghasempoor, H. Faramarzi, S. Javanmardi, Z. Zarei, M. Modara, M. Rezaei, F. Khavandgaran

- EV0070** **Phenotypic and genotypic characterization of *Proteus mirabilis* isolated from patients with urinary tract infection**  
A. Mirzaei\* (Tehran, Iran), M. Asadi Karam, M. Habibi, S. Bouzari

- EV0071** *Fusobacterium nucleatum* is a prevalent microorganism in human colorectal carcinoma  
R. Haro-Blasco\* (Albacete, Spain), J. Galan Ros, A. Escudero-Jimenez, J. De Ayala Fernández, P. Conesa Zamora
- EV0072** Comparison of Abbott Real-Time MTB RIF/INH resistance assay with standard phenotypic and other molecular methods: a pilot study  
A. Joseph\* (Des Plaines, United States), S. Singh, J. Singh, S. Beenish Rufai, P. Kumar, V. Rawat, H. Ahmad
- EV0073** Multiplex PCR assay for the diagnosis of mastitis causing pathogens and estimation of specificity and sensitivity by latent class analysis  
A. Ashraf\* (Lahore, Pakistan), M. Imran
- EV0074** Evaluation of Colibri (TM) for the automated preparation of microbial suspensions for antimicrobial susceptibility test  
A. Bielli\* (Milan, Italy)
- EV0075** Validation of Eswab for the collection and preservation of specimens processed on the WASP for the detection of *Corynebacterium species* including *C. diphtheriae*  
S. Castriciano\* (Brescia, Italy), L. Conter, C. Violeta Corina
- EV0077** Inactivation of ferric uptake regulator (Fur) attenuates *Helicobacter pylori* J99 motility by disturbing the flagellar motor switch  
J. Wu\* (Taipei, Taiwan), A. Lee, C. Kao, T. Lai, B. Sheu, C. Lo
- EV0078** A randomized controlled crossover trial to assess pain with two commercial urethral swabs  
A. Camporese\* (Pordenone, Italy), R. De Rosa, P. Stano
- EV0079** Implementation of rejection criteria for stool culture: a ballad of loss and gains?  
L. Cattoir\* (Ghent, Belgium), P. Van de Candelaere, R. Cartuyvels, G. Coppens, H. De Beenhouwer, J. Frans, W. Laffut, A. Van den Abeele
- EV0080** Complicated microbial conjunctivitis: patient demographics, infectious aetiology and antibiotic susceptibility  
I. McCarthy\* (Dublin, Ireland), S. Knowles
- EV0081** Molecular analysis of the competence system in *Streptococcus salivarius* strain 57.1  
Y. Chen\* (Taoyuan, Taiwan), Y. Yen
- EV0082** Evaluation of the performance of MAGLUMI PCT test at low clinical cut-offs in comparison with VIDAS BRAHMS PCT assay  
R. Gonzalez\* (Marcy l'Etoile, France), G. Zeng, Z. Xiao, Q. Ran, F. Mao
- EV0083** Relative fitness of ST131 ESBL-producing *Escherichia coli*  
K. Nielsen\* (Copenhagen, Denmark), F. Hertz, R. Marvig, N. Frimodt-Moller
- EV0084** Spectrum of multiple pathogens detected by the FilmArray panel assays  
P. Makridis\* (Athens, Greece), N. Tsagarakis, A. Sideri, A. Triantafyllou, C. Nikoladaki, A. Samiotis, A. Stamoulakatou, E. Papadogeorgaki
- EV0085** Evaluation of rectal swabs for the detection and storage of *Clostridium difficile*  
E. Piepenbrock\* (Cologne, Germany), N. Jazmati, E. Kirpal, Y. Stelzer, H. Seifert
- EV0086** Cost effectiveness analysis of five diagnostic alternatives for MDR-TB compared to the multiple proportion method  
J. Hernandez Sarmiento\* (Medellín, Colombia), G. Mejia, E. Zapata, D. Castrillon, L. Sanchez, T. Realpe, J. Robledo, N. Alvis
- EV0088** Gut microbiota composition and prevalence of antimicrobial drug-resistance gene in elderly nursing home residents  
H. Kunishima\* (Kawasaki, Japan), Y. Yamasaki, M. Hirose, K. Wada, K. Oka, T. Aoyagi, S. Endo, M. Takahashi, H. Takemura, M. Kaku
- EV0089** Toxin factors in extraintestinal strains of *Escherichia coli*  
C. Onlen\* (Adana, Turkey), S. Kızılyıldırım, B. Bedir, F. Köksal
- EV0090** The detection of the epitopes of the protein elongation factor Tu isolated from *Streptococcus agalactiae* immunoreactive to serum from human umbilical cord blood  
A. Piotrowska\* (Krakow, Poland), M. Pyclik, S. Gorska, E. Brzozowska, A. Gamian, M. Bulanda, M. Brzychczy-Wloch
- EV0091** Validation of bacteria viability with urine sample in Copan UriStraw™  
T. Yamashita\* (Tokyo, Japan), H. Suzuki
- EV0092** Inactivation of National Collection of Type Cultures (NCTC) bacteria for the NCTC 3000 sequencing project  
M. Fazal\* (London, United Kingdom), S. Alexander, A. Deheer-Graham, N. Grayson, K. Oliver, J. Parkhill, J. Russell

- EV0093** **Novel DTT-free mucolytic reagent shows superior stability**  
W. Von Stein\* (Düsseldorf, Germany), E. Gizewski, V. Hermanns, M. Hennig
- EV0094** **Microbial complexity on hospital worker uniforms**  
U. Rozman\* (Maribor, Slovenia), V. Gönc, E. Pal, S. Šostar Turk
- EV0095** **A quality improvement project to reduce blood culture contamination facilitated by data linkage**  
E. James\* (Melrose, United Kingdom)
- EV0096** **Prevalence of prophage types in different SCCmec types MRSA**  
J. Lu\* (Taoyuan, Taiwan), L. Lin

EV009 08:45 – 15:30

**Diagnostic virology**

- EV0097** **Evaluation of a less invasive method for the molecular diagnosis of influenza and RSV: is nasopharyngeal sampling superior to nasal sampling?**  
W. Yannick\* (Lier, Belgium), D. Koletzki, T. Pattery, E. Rousseau, W. Laffut
- EV0098** **Evaluation of performance of ampliCube Zika virus test for the early diagnosis of infection with Zika virus by real-time polymerase chain reaction**  
M. Naewiger\* (Neuried, Germany), M. Sander, F. Schwarzmann, F. Scheer, A. Bauer, E. Soutschek, O. Boecher
- EV0099** **Diagnostic performance of kPCR PLX CMV, EBV and BKV DNA assays and correlation with WHO international standards**  
I. Engelmann\* (Lille, France), E. Alidjinou, M. Lazrek, J. Ogiez, J. Pouillaude, A. Dewilde, H. Didier
- EV0100** **Monitoring CMV-DNA in whole blood with a highly automated platform**  
C. Mengelle\* (Toulouse, France), J. Mansuy, C. Hasle, K. Sandres-Saune, J. Izopet
- EV0101** **Cleared stool sample supernatants prepared for the analysis in the Liaison XL analyser can be used for nucleic acid extraction and downstream (RT-) PCR**  
S. Grund\* (Düsseldorf, Germany), C. Gkioule, J. Timm

- EV0102** **Rapid multiplex assay for the detection of influenza and respiratory syncytial viruses using the GeneXpert system**  
L. Yuan\* (Sunnyvale, United States), R. Yu, P. Foxall, J. Wang, F. Weir
- EV0103** **Performance evaluation of AccuPower MERS-CoV RNA detection kit using clinical specimens from Middle East respiratory syndrome patients**  
K. Choi\* (Cheonan, South Korea), S. Koo, H. Kim, Y. Park, J. Kim, G. Kwon
- EV0104** **Preliminary evaluation of a rapid and sensitive RT-PCR assay for the detection of Ebola virus**  
M. Biava\* (Rome, Italy), A. Di Caro, F. Colavita, A. Petrocelli, M. Delli Guanti, G. Cataldi, A. Kamara, S. Kamara, K. Konneh, A. Matzorati, D. Russo, D. Pirola, C. Alessandro, A. Cannas, S. Meschi, G. Rozera, C. Castilletti, A. Mirazimi, R. Miccio
- EV0105** **Viral respiratory infections: the impact of rapid molecular diagnostic tests on antimicrobial stewardship**  
Ö. Ergönül\* (Istanbul, Turkey), Ş. Keske, F. Tutucu, D. Karaaslan, F. Can, E. Nurtop, P. Ispir, E. Palaoglu
- EV0106** **Real-time PCR TaqMan-based detection assay of bornavirus for challenging specimens**  
M. Cavaleiro Pinto\* (Porto, Portugal), M. Berg, J. Carnevalheira, G. Thompson
- EV0107** **Cerebrospinal fluid microscopy in viral meningitis and encephalitis – can the cell count be used to guide acute management?**  
J. Mayer\* (London, United Kingdom), M. Krutikov, O. Lucey, A. Jayakumar, C. Osborne, W. Tong
- EV0108** **A multiplex PCR-capillary electrophoresis-based panel for respiratory pathogen detection and identification in adults with severe community-acquired pneumonia**  
X. Lu\* (Beijing, China), X. Li, B. Chen, S. Zhang, X. Li, J. Chang, Y. Tang, Y. Wu
- EV0109** **Preliminary evaluation of the Ebola virus antigen detection K-SeT rapid test in Sierra Leone**  
M. Biava\* (Rome, Italy), A. Di Caro, F. Colavita, M. Delli Guanti, A. Petrocelli, G. Cataldi, C. Borlon, P. Mertens, Q. Gillemann, A. Kamara, S. Kamara, K. Konneh, C. Castilletti, D. Vincenti, A. Mirazimi, R. Miccio
- EV0110** **The importance of HPV viral-load in infected women evolution**  
S. Rojo\* (Oviedo, Spain), M. Alvarez-Argüelles, C. Sabater, M. Gomez-Novo, E. Iglesias, M. Torralba, S. Melon, M. Oña-Navarro

**EV0111** **Comparative study of two diagnostic tests for detection of RNA Zika (ZIKV) in clinical samples**  
*L. Alonso Acero\* (Madrid, Spain), A. Sarria, S. Garcia-Bujalance, B. Domínguez Calero, D. Montero, J. García Rodríguez*

**EV0112** **Variation between international and secondary standards**  
*M. Van Genne\* (Groningen, Netherlands), D. de Voogd, R. de Boer, R. Poelman, H. Niesters*

**EV0113** **Evaluation of the Abbott RealTime CMV and EBV assays on the m2000 (Abbott) platform**  
*S. Bontems\* (Liège, Belgium), R. Boreux, V. Capraro, P. Huynen, J. Descy, P. Melin, M. Hayette, C. Meex*

**EV0114** **Epstein-Barr virus – the prevalence of antibodies and varying assay sensitivities**  
*F. Phimister\* (Potters Bar, United Kingdom), D. Padley, N. Almond*

**EV0115** **An understanding of the true burden of enterovirus meningitis requires a review of clinical and laboratory case criteria**  
*N. O'Flaherty\* (Dublin, Ireland), R. Drew, C. deGascun*

**EV0116** **Assessment of cytomegalovirus-specific cell-mediated immunity for the prediction of cytomegalovirus disease in kidney and liver transplant patients: a pilot study**  
*G. Smaranda\* (Düsseldorf, Germany), M. Lindemann, K. Herzer, O. Witzke, A. Krawczyk, J. Korth, S. Bedreli, P. Horn, M. Fiedler*

**EV0116A** **Performance of BIO-FLASH varicella zoster IgG on Biokit's BIO-FLASH analyser**  
*T. Schumacher\* (Würzburg, Germany), C. Dollack, M. Hartmann, M. Alba, T. Bori, M. Wendling, J. Serra*

**EV010** **08:45 – 15:30**

**Fungal infection & disease**

**EV0117** **Interaction between neutrophils from haematopoietic stem cells transplant recipient and *Aspergillus fumigatus* analyzed by a proteomic 2D-DIGE approach**  
*V. Lepera\* (Milano, Italy), C. Pionneau, S. Chardonnet, S. Nguyen, A. Fekkar*

**EV0118** **Efficacy of liposomal amphotericin B for the treatment of systemic candidiasis in a murine model of type II diabetes**  
*J. Olson\* (Pomona, United States), S. Simargi, J. Adler-Moore*

**EV0119** **The comparison study between tachypleus tridentatus and limulus polyphemus with different experiment process for the diagnosis of invasive fungal diseases in China**  
*Y. Anna\* (Tianjin, China), Y. Wang*

**EV0120** **Diagnostic performance of *Aspergillus galactomannan* antigen and real-time PCR detection among children with haematological malignancies**  
*G. Vrioni\* (Athens, Greece), K. Theodoridou, M. Mavrouli, A. Stavropoulou, C. Tsiamis, V. Kapsimali, A. Tsakris*

**EV0121** **Determining the ability of selected essential oils in eradication of biofilm formed by *Candida* species**  
*K. Gucwa\* (Gdańsk, Poland), P. Szweda, N. Łubowska, S. Milewski*

**EV0122** **Evaluation of VITEK MS by comparison with API system for *Candida* spp. yeasts identification**  
*R. Soloaga\* (Buenos Aires, Argentina), G. Greco, M. Catanzariti, I. Maldonado, C. Garbasz, S. Cataldi, J. Oyhamburu, L. Guelfand*

**EV0123** **Evaluation of the antifungal activity of SCY-078 in combination with other antifungals against *Aspergillus* strains**  
*M. Ghannoum\* (Cleveland, United States), L. Long, E. Larkin, K. Borroto-Esoda, S. Wring, D. Angulo Gonzalez*

**EV0124** **Epidemiology of invasive fungal diseases in children with solid tumours undergoing haematopoietic stem-cell transplantation: a ten-year experience in a tertiary Italian centre**  
*P. Tatarelli\* (Genoa, Italy), M. Faraci, I. Caviglia, R. Bandettini, G. Cangemi, G. Magnano, A. Garaventa, C. Viscoli, E. Castagnola*

**EV0125** **How frequent are infrequent *Candida* species causing candidaemia? Proportion of cases, antifungal susceptibility, and biofilm formation**  
*J. Guinea\* (Madrid, Spain), L. Marcos-Zambrano, P. Escribano, C. Sánchez-Carrillo, P. Munoz, E. Bouza Santiago*

**EV0126** **Impact of candidal biofilms vs patients' age**  
*S. Sidi Mohammed Lahbib\* (Tlemcen, Algeria), B. Zahia, K. Dennis*

**EV0127** **Analysis of an HIV-positive sub-population in a cohort of patients with invasive Aspergillosis: clinical aspects, use of galactomannan and EO-RTC criteria validity**  
*A. Papaleo\* (Brussels, Belgium), C. Martin, S. de Wit*



- EV0128**      **Susceptibility of recent *Candida auris* isolates to the novel echinocandin CD101 and comparator antifungal agents**  
*M. Ghannoum\* (Cleveland, United States), E. Larkin, L. Long*
- EV0129**      **Outbreak of non-*Candida albicans* *Candida* species in a tertiary hospital ICU in Spain**  
*M. Galan Ladero\* (Badajoz, Spain), M. Luzón-García, M. Blanco-Roca, M. Blanco-Blanco, R. Jimenez-Torres, A. Gómez-García*
- EV0130**      **Culturomics and metagenomics to study the fungal population in the human gut microbiota**  
*F. Bittar\* (Marseille, France), I. Hamad, M. Sy, D. Raoult*
- EV0131**      **Epidemiological study of onychomycoses in Athens, Greece: a five-year retrospective analysis**  
*G. Vrioni\* (Athens, Greece), K. Theodoridou, C. Tsiamis, E. Poutouri, A. Ieronymaki, A. Panopoulou, E. Papadogeorgaki, S. Chrysosou, A. Tsakris*
- EV0132**      **Comparison of conventional and new methods in identification and antifungal susceptibility of *Candida* spp. from blood cultures**  
*Y. Tanriverdi Cayci\* (Samsun, Turkey), H. Odabasi, A. Birinci, K. Bilgin*
- EV0133**      **The impact of *C. parapsilosis* complex in the species distribution and antifungal susceptibility in a tertiary care academic hospital in Italy**  
*G. Raponi\* (Rome, Italy), G. Brunetti, V. Visconti, A. Giordano, M. Coletti, G. Antonelli, M. Ghezzi*
- EV0134**      **Antifungal susceptibility testing for *Candida* spp.: agreement between EUCAST reference method and commercial tests**  
*M. Paolucci\* (Bologna, Italy), G. Roncarati, M. Landini, R. Lewis*
- EV0135**      ***Candidaemia* risk factors in patients followed up in an oncology hospital**  
*M. Ertek\* (Ankara, Turkey), D. Mert, G. Yilmaz, S. Ceken, G. Iskender*
- EV0136**      **Triazole resistance in *Aspergillus fumigatus*: performance of phenotypic screening versus genotypic marker detection**  
*F. Robert-Gangneux\* (Rennes, France), H. Guegan, S. Chevrier, J. Gangneux*
- EV0137**      **Human protothecosis: case series and literature review**  
*A. Akram\* (Cameron Park, Australia)*

- EV011**      **08:45 – 15:30**  
**Healthcare-associated & nosocomial infections, infection control**
- EV0138**      **Vancomycin versus metronidazole for mild acute *Clostridium difficile* infections, and its impact on subsequent vancomycin-resistant *Enterococcus* (VRE) isolation**  
*D. Marchaim\* (Zerifin, Israel), I. Youngster, T. Lazarovitch, M. Bondorenco, B. Mengesha, L. Toledano, Y. Kachlon, D. Katz, M. Dadon, C. Daniel*
- EV0139**      **Improving stethoscope disinfection at a tertiary hospital**  
*A. Rezusta\* (Zaragoza, Spain), M. Ruiz, M. Millán-Lou, C. Exposito Sanchez, J. Fondevilla Lopez, J. Valenzuela, R. Villar Turon, M. Revillo*
- EV0140**      **Profile and outcome of ventilator-associated pneumonia in cirrhotics admitted to a liver intensive unit.**  
*A. Sahney\* (New Delhi, India), H. Kumar, L. Mitra*
- EV0141**      **Prognostic factors of mortality and complications of *Clostridium difficile* infection in elderly patients**  
*J. Boga\* (Oviedo, Spain), A. Garcia, J. Fernandez-Suarez, M. Rodriguez-Perez, C. Menendez, C. Sabater, F. Vazquez, A. Coto-Montes, A. Rodriguez-Guardado*
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- EV012**      **08:45 – 15:30**  
**HIV/AIDS**
- EV0142**      **A pilot study to look at the effect of IL-28B polymorphism on IL-28B expression and immunological recovery among HIV-infected individuals following 6–9 months of ART**  
*S. Bagepally Venkatesh\* (Chennai, India)*
- EV0143**      **A model prediction of pre-treatment HIV RNA: application for the use of abacavir and rilpivirine as the first-line regimen for HIV-infected patients in resource-limited settings**  
*S. Kiertiburanakul\* (Bangkok, Thailand), D. Boettiger, O. Ng, N. Van Kinh, T. Parwati Merati, A. Avihingsanon, W. Wong, M. Lee, R. Chaiwarith, A. Kamarulzaman, P. Kantipong, F. Zhang, J. Choi, N. Kumarasamy, R. Ditangco, D. Cuong, S. Oka, M. Law, S. Sungkanuparph*
- EV0144**      **Malignancies in HIV-infected patients in the Dominican Republic**  
*C. Rodriguez-Taveras\* (Santo Domingo, Dominican Republic), T. Ramirez-Diaz, J. Olivero*

- EV0145** Architect HIV Ag/Ab combo assay for detection of recent HIV infections  
*R. Alonso\* (Madrid, Spain), P. Gijón, A. Collazos, E. Bouza*
- EV0146** The evaluation of two HIV-1 incidence assays in subjects infected with non-B subtype viruses  
*K. Huik\* (Tartu, Estonia), P. Soodla, M. Pauskar, H. Rajasaar, E. Jõgeda, E. Kallas, R. Avi, I. Lutsar*
- EV0147** Evaluation of MinION sequencing for HIV-1 genotypic resistance testing: can it replace Sanger?  
*P. Scott\* (Birmingham, United Kingdom), K. Hardy, J. Quick, N. Loman, E. Smit*
- EV0148** Survival analysis in patients diagnosed with HIV/AIDS in a public health institution in northeastern Mexico  
*E. Taboada\* (Monterrey, Mexico), M. Dávalos*
- EV0149** Inflammation markers and low level viraemia: gender differences in ARV-treated HIV-1 patients  
*F. Falasca\* (Rome, Italy), I. Puglia, L. Mazzuti, E. Cinquina, I. Sciandra, A. Fantauzzi, G. D'Ettore, G. Antonelli, O. Turriziani*
- EV0150** Use of post-exposure prophylaxis in an HIV centre in Athens, Greece (2014–2015)  
*A. Skoutelis\* (Athens, Greece), E. Kakalou, A. Katsarou, T. Kakkavas, V. Papastamopoulos*
- EV0151** The level of the latent presence of markers of intestinal infectious agents in HIV patients  
*E. Volchkova\* (Moscow, Russian Federation), K. Umbetova, O. Belaia, E. Korogodskaya*
- EV0154** Demographic characteristics and risk behaviours towards HIV exposure in clients of a walk-in, anonymous and free-of-charge service for HIV-testing in Athens  
*A. Skoutelis\* (Athens, Greece), E. Kakalou, D. Dimas, E. Zouzia, E. Pikoulis, V. Papastamopoulos*
- EV0155** Comparison of two assays with fast turn-around time for HIV-1 viral-load quantification in plasma samples  
*C. Pronier\* (Rennes, France), L. Courtellemont, S. Boukthir, G. Lagathu, V. Thibault, A. Maillard*
- EV0156** Prevalence of anal dysplasia in HIV-infected patients in a regional hospital setting in Catalonia  
*L. Macorigh\* (Barcelona, Spain), E. Zioga, A. Almuedo-Riera, E. Deig-Comerma, G. Molist, M. Tamayo-Pintado, J. Cuquet, E. Llargués-Rocabruna*

- EV0157** Virological and clinical, epidemiological characteristics of new HIV-1 diagnosis on Complejo Hospitalario de Navarra, Spain  
*A. Aguinaga\* (Pamplona, Spain), I. Escobar, A. Navascués Ortega, E. Delgado, A. Gil-Setas, C. Ezpeleta*

**EV013** 08:45 – 15:30

**Lab automation & other lab methods**

- EV0158** Integration between WASP System (COPAN) and ELITe InGenius System (ELITech Group): a feasible perspective for a full automation in clinical microbiology  
*E. Riccobono\* (Florence, Italy), A. Antonelli, M. Enrietto, M. Coppi, G. Stefanuto, S. Patanè, M. Galluzzo, P. Pecile, G. Rossolini*
- EV0159** An automated sample preparation instrument to accelerate positive blood culture microbial identification by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (VitekMS)  
*P. Broyer\* (Grenoble, France), O. Dauwalder, N. Perrot, H. Rostaing, J. Blaze, F. Pinston, H. Meugnier, M. Charles, G. Gervasi, F. Vandenesch*
- EV0160** Evaluation of the Copan BC+ (TM) for the automated management of positive blood cultures: microscope slides and subcultures preparation  
*A. Bielli\* (Milan, Italy)*
- EV0161** Use of digital image analysis to interpret urine cultures on sheep blood, MacConkey and Columbia CNA agar  
*N. Ledebor\* (Milwaukee, United States), M. Faron, B. Buchan*
- EV0162** Impact of the filling of the Urine Monovette on the results of the urinalysis  
*B. Hanaa\* (Paris, France), A. Myriem, D. Aurore, P. Marion, M. Cedric, B. Bercot, H. Jacquier*
- EV0163** Encoding immunoassay VIDAS tests using LOINC terminology  
*M. Dante\* (Saint Louis, United States), F. Holder, M. Mary, X. Gansel*
- EV0164** Validation according to Cumitech 31A of the use of SIGMA TRANSWAB® and SIGMA TRANSWAB® PF with the WALK-AWAY SPECIMEN PROCESSOR (WASP®, COPAN)  
*N. Chatelain\* (Valenciennes, France)*
- EV0165** Screening of paediatric stool samples for *Campylobacter jejuni* and *Campylobacter coli* using chemiluminescence immunoassay  
*D. Velcheva\* (Sofia, Bulgaria), Z. Mladenova, B. Pavlova*

**EV0166** **Novel high-throughput automated analysis system for bacterial identification and differentiation in sepsis patients**  
*W. Von Stein\* (Düsseldorf, Germany), H. Mannsperger, V. Hermanns, M. Hennig*

**EV0167** **Validation and implementation of Colorex™ MRSA/VRE biplates on WASP™/WASPLab™ to screen for MRSA and VRE using the ESwab™ duo swab kit**  
*M. Gaskin\* (Hamilton, Canada), D. Yamamura, J. Korver*

**EV0168** **Evaluation of Seegene PCR on consecutive faecal samples**  
*M. Bjørnsdottir\* (Copenhagen, Denmark), J. Skou-Christensen, A. Engsbø, B. West, T. Havnhøj Frandsen, N. Kirkby, J. Kurtzhals, L. Andersen*

**EV0169** **Novel automated mariPOC test for *Clostridium difficile* infection meets the updated ESCMID diagnostic guidelines**  
*J. Koskinen\* (Turku, Finland), J. Mäkilä, K. Rantakokko-Jalava, J. Koskinen*

**EV0170** **Encoding VITEK2 AST tests using LOINC terminology**  
*M. Dante\* (Saint Louis, United States), B. Celliere, M. Olleon, L. Nougier, M. Mary, X. Gansel*

**EV0171** **Evaluation of two automated urinalysis systems as primary screening method in urine samples compare with urine culture**  
*A. Rezusta\* (Zaragoza, Spain), M. Millán-Lou, J. García-Lechuz, M. Ruiz, M. Aldea, M. Revillo*

**EV0172** **Validation of Copan Colibri for the automated preparation of microbial suspensions for AST**  
*L. Navarria\* (Brescia, Italy), F. Maino, M. Savarese*

**EV0173** **Performance of Colibri in automated MALDI-TOF MS sample preparation**  
*S. Castriciano\* (Brescia, Italy), L. Navarria, F. Maino, M. Savarese*

**EV0174** **Clinical evaluation of ELITechGroup biomedical systems Aerospray® BK series Stainer (TB Stainer) compared to hand staining of TB samples at Bichat hospital**  
*N. Grall\* (Paris, France), C. Pierre-Audigier, M. Milhau, K. Mullen, A. Andremont*

**EV0175** **The reliability of VITEK 2 compact identification system (V2CIS) in the accuracy of identification of difficult organism**  
*S. Nawi\* (Selangor, Malaysia), A. Adnan, N. Ngah Mohammad, S. Awad, N. Mohd Shah, N. Mohd Isa, N. Abu Bakar*

**EV0176** **Assessment of diagnostic performance of four chemiluminescence immunoassays for human herpes simplex virus type 2**  
*E. Dopico\* (Barcelona, Spain), A. Arbiol, M. Aguilar, M. Graells, A. Cortes, O. Lopez, E. Mariano, L. Calatayud*

**EV0177** **Assessment of diagnostic performance of Elecsys *Toxoplasma* IgG and rubella IgG immunoassays in pregnant women**  
*E. Dopico\* (Barcelona, Spain), B. Fernandez, A. Arbiol, M. Aguilar, E. Castro, A. Cortes, R. Navarro, E. Grenzner*

**EV0178** **Automated *Treponema* serology in HIV-infected patients: usefulness of Liaison XL DiaSorin**  
*L. Paris\* (Paris, France), T. Modot, F. Caby, A. Idrees, R. Courtin, C. Quiblier, E. Caumes, M. Thellier*

**EV014** **08:45 – 15:30**

#### Microbial pathogenesis & biofilm

**EV0179** **A qualitative study of the problems experienced by primary care physicians in admitting patients, with suspected encephalitis, to hospital**  
*S. Defres\* (Liverpool, United Kingdom), T. Mitchell, J. Cooper, T. Solomon*

**EV0180** ***In vitro* analysis of antimicrobial activity on the biofilm formed by *Klebsiella pneumoniae***  
*J. Ruiz\* (Valencia, Spain), E. San Juan, M. Gordon, E. Villarreal, A. Rodriguez, C. Amaro, Á. Castellanos, P. Ramirez Gallego*

**EV0180A** **A comprehensive proteomics analysis for *Streptococcus equi* subspecies *equi* Se071780 to antigen discovery and vaccine development**  
*S. Jun\* (Daejeon, South Korea), H. Lee, Y. Yi, L. Sang-Yeop, S. Yun, S. Kim, E. Park*

**EV015** **08:45 – 15:30**

#### Molecular diagnostics and MALDI-TOF

**EV0181** **Microbiological diagnosis of vertebral osteomyelitis using the 16S bacterial gene in patients with vertebral destruction syndrome**  
*E. Vanegas Rodríguez\* (Mexico City, Mexico), R. Franco Cendejas, C. Colin Castro, A. Mondragón Eguiluz, E. López Jácome, G. González Cerón*

**EV0182** **Comparison of ISO 11731-2:2008 culture methods versus real-time qPCR for the detection and enumeration of *Legionella* species in hospital tap waters**  
*S. Ali\* (London, United Kingdom), K. Buchanan, S. Yui, P. Wilson*

- EV0183** Clinical value of *intrapartum* group B *Streptococcus* screening with on-demand Xpert GBS test versus antepartum culture screening  
G. Richalet\* (Echirolles, France), F. Tourneur, J. Peresse
- EV0184** Use of rectal swabs for the detection of enteric pathogens with the BD MAX enteric bacterial panel  
B. DeBurger\* (Cincinnati, United States), J. Mortensen
- EV0185** Evaluation of the new immunochromatographic test BioNexia *H. pylori* Ag for rapid diagnosis of *Helicobacter pylori* antigen  
L. Benejat\* (Bordeaux, France), F. Megraud, A. Ducournau, D. Roux, C. Lecaille, F. Zerbib, E. Sifré, P. Lehours
- EV0186** Evaluation of MALDI-TOF MS system for difficult-to-identify non-tuberculous mycobacteria species  
F. Alcaide\* (Barcelona, Spain), D. Rodriguez-Temporal, D. Perez-Risco, E. Struzka, M. Mas, M. Valbuena
- EV0187** Evaluation of respiFISH on lower respiratory tract samples from patients with suspected ventilator-associated pneumonia  
A. Burillo Albizua\* (Madrid, Spain), V. de Egea, L. Jiménez-Navarro, M. Goyanes, N. Perez, P. Martin-Rabadan, E. Bouza
- EV0188** Adjustment of the cycle threshold to improve the positive predictive value for PCR-based detection of *vanB*-VRE during an outbreak  
B. Lemmer\* (Göppingen, Germany), J. Becker, G. Hiob, L. Zabel
- EV0189** Clinical performance of cobas CT/NG for use on the cobas 6800/8800 systems compared with the CE-IVD cobas 4800 CT/NG test for the detection of *Chlamydia trachomatis* and *Neisseria gonorrhoeae* in urogenital specimens  
E. Marlowe\* (Pleasanton, United States), D. Hardy, P. Gohl, A. Bertram, M. Lewinski, R. Arcenas, B. Seiverth, T. Schneider, M. Krevolin
- EV0190** Evaluation of the novel ImmuView *S. pneumoniae* and *L. pneumophila* urine antigen test on clinical samples with defined aetiology  
S. Athlin\* (Örebro, Sweden), A. Nilsson, A. Iversen, T. Salim-Ashak, V. Özenci
- EV0191** Evaluation of the ARIES group A strep assay for the detection of group A *Streptococcus* in throat swab samples  
S. Ali\* (Toronto, Canada), E. Suman, D. Fong, J. Xu, H. Zhang
- EV0192** Performance of Andromas and Bruker MALDI-TOF MS in the identification of *Neisseria*  
J. Decousser\* (Créteil, France), F. Morel, M. Desroches, H. Jacquier, V. Fihman, E. Cambau, B. Bercot
- EV0193** Clinical impact of a rapid microbiological identification with the VITEKMS system  
C. Losa\* (Pamplona, Spain), J. Yuste, C. Bustos Guillén, A. Pérez García, M. Rua, S. Castejón, L. Armendariz, M. Fernández Rivero, A. Zapata, M. Fernández-Alonso, G. Reina, M. Rubio, J. Del Pozo, J. Leiva
- EV0194** Real-time PCR for routine first-line STI screening of *Mycoplasma genitalium* resistance against macrolide antibiotics  
B. Lestrade\* (Venlo, Netherlands), A. de Jong, M. Broeren, J. Vet, J. Rahamat-Langendoen, T. Trienekens
- EV0195** Use of Amplidag Bacterial GE assay in the diagnosis of bacterial diarrhoea  
H. Benmansour\* (Paris, France), S. Rasoanandrasana, H. Jacquier, B. Philippe, E. Cambau, L. Raskine, S. Bonacorsi, B. Bercot
- EV0196** Identification of *Corynebacterium* species by use of API Coryne, VITEK2, VITEKMS and *rpoB* gene sequencing  
F. Allard\* (La Balme-les-Grottes, France), M. Didier, C. Meunier, S. Polsinelli, D. Pincus, G. Durand, A. Van Belkum, V. Girard, G. Bossy
- EV0197** Improvement in identification of mycobacteria by matrix-assisted laser desorption/ionization mass spectrometry from liquid media (MGIT)  
J. Viñuelas\* (Zaragoza, Spain), E. Morilla, B. Vela, M. Gómara, R. Núñez Medina, M. Monforte, J. Pereira Boan, J. Sahagún, R. Fernández, M. Revillo
- EV0198** Discrimination of non-typhoid clinically relevant *Salmonella* serogroups by Fourier Transform Infrared Spectroscopy (FTIR)  
J. Campos\* (Porto, Portugal), C. Sousa, P. Antunes, L. Peixe
- EV0199** Rapid and accurate detection of OXA-48 like carbapenemases in Enterobacteriaceae using the OXA-48 K-SeT kit  
K. Strydom\* (Pretoria, South Africa), F. Ismail, P. Meidany, M. Kock, M. Said, N. Mbelle
- EV0200** Performance of the new STD Direct Flow Chip kit for the detection of sexually transmitted disease agents  
A. Olmo\* (Granada, Spain), M. Alvarez Estevez, A. Barrientos Duran, J. Carrero, E. Lara, F. Garcia Garcia

- EV0201** **Evaluation of the FilmArray gastrointestinal panel for the detection of protozoa and bacteria in stool specimens**  
K. Vandebroek\* (Genk, Belgium), K. Hoet, G. Coppens, E. Oris
- EV0202** **The airway microbiota in patients weaning from ventilation**  
R. Kohlmann\* (Bochum, Germany), H. Hensen, N. Kampmann, E. Ntikoudi, S. Ewig, S. Gatermann
- EV0203** **Diagnostic performance of a new multiplex PCR in patients with meningitis and/or encephalitis**  
E. Priavali\* (Ioannina, Greece), G. Kapnisi, H. Sakkas, A. Giannaki, A. Makis, S. Levidiotou, C. Gartzonika
- EV0204** **Promise and peril: rapid molecular diagnostics (RMDs) and clinical decision-making in infectious diseases**  
A. Hujer\* (Cleveland, United States), S. Evans, T. Tran, C. Manca, J. Jiang, C. Hill, K. Hujer, H. Chambers, V. Fowler, B. Kreiswirth, R. Patel, M. Jacobs, R. Bonomo
- EV0205** **Novel real-time multiplex PCR for rapid identification of pathogenic *Yersinia* species**  
E. Andre\* (Brussels, Belgium), P. de Sany, M. Darricades, L. Goeminne, T. Michiels, M. Janssens, G. Wauters, M. Delmée
- EV0206** **CE-IVD validation of the molecular diagnostics CT/NG/MG assay on ELiTe InGenius sample-to-result solution for the rapid detection of sexually transmitted infections**  
A. Estampes\* (Puteaux, France), M. Enrietto, A. Gallizio, S. Patanè, F. Gorreta
- EV0207** **Rapid multiplex PCR for molecular diagnosis of meningoencephalitis**  
G. Lunghi\* (Milan, Italy), R. Narra, L. Greco, S. Uceda Renteria, D. Picicco, A. Zoccoli, A. Orlandi
- EV0208** **Variation within and between MLST CC of *S. aureus* based on panGenome analysis**  
D. Babenko\* (Karaganda, Kazakhstan), A. Chesca, M. Toleman
- EV0209** **Aetiology of community-acquired pneumonia and healthcare-associated pneumonia: improved microbiological diagnostic yields with new multiplex PCR method**  
P. Ga Eun\* (Seoul, South Korea), K. Peck, H. Seok, S. Cho, M. Hyun, D. Chung, C. Kang, N. Lee
- EV0210** **Instant detection of PSM-positive MRSA in the MALDI Biotyper workflow**  
M. Kostrzewa\* (Bremen, Germany), M. Timke, M. Trojahn, M. Wasner
- EV0211** **Optimized use of the Filmarray BCID panel in routine microbiological diagnostic in critical ill patient with suspected bloodstream infection**  
M. Lopez-Fabal\* (Móstoles, Spain), J. Gómez Garces, M. López-Lomba, M. Ruiz-Bastian
- EV0212** **How is the Xpert MRSA NxG assay (Cepheid) performing on pooled TSB Salt Broth?**  
P. Van de Candelaere\* (Ypres, Belgium), S. Jonckheere
- EV0213** **An evaluation study for the simultaneous detection of 7 sexually transmitted pathogens**  
M. Karrasch\* (Jena, Germany), N. Wendt, J. Tittelbach, M. Grimm, C. Scheungraber, B. Löffler, M. Baier
- EV0214** **Detection of lower respiratory tract pathogens as revealed by FilmArray**  
B. Graham\* (Salt Lake City, United States), U. Spaulding, M. Jones, O. Cham, C. Li, J. Cloud, J. Peterson, J. Stone, D. Judd, A. Demogines, R. Crisp, M. Rogatcheva
- EV0215** **Simple, quick and cost-effective method to identify *Staphylococcus aureus* and methicillin-resistant *S. aureus* (MRSA) from positive blood cultures using loop-mediated isothermal amplification (LAMP)**  
P. Jayaratne\* (Hamilton, Canada), C. Main, B. Albaradi, L. Jiao, D. Whellam
- EV0216** **Benefits of the rapid molecular blood-culture identification and antibiotic-resistant gene detection in the management of critical septic patients**  
C. Venturelli\* (Modena, Italy), P. Pini, S. Busani, L. Serio, E. Biagioni, E. Franceschini, M. Codeluppi, C. Mussini, F. Rumpianesi, M. Girardis
- EV0217** **Cost analysis in patients with suspected chronic infection at musculoskeletal implants: PCR UNYVERO i60-ITI versus traditional technique**  
J. Esteban-Moreno\* (Majadahonda, Spain), C. Torres, I. Oyagüez, L. Prieto Borja, G. Rodriguez
- EV0218** **Cost-effective, simple method to screen and diagnose *Helicobacter pylori* directly from stools using loop-mediated isothermal amplification (LAMP)**  
P. Jayaratne\* (Hamilton, Canada), D. Whellams, R. Muhammad



- EV0219**      **Assessment of flow cytometry as a diagnostic screen for urine culture in a clinical laboratory**  
*R. Khare\* (Lake Success, United States), T. Chang, Y. Jacobs, S. Juretschko*
- EV0220**      **Comparison of two swabs (woven and flocked) used for the collection of endocervical specimens for *Chlamydia trachomatis* and *Neisseria gonorrhoeae* on the cobas 4800 system**  
*R. Arcenas\* (Pleasanton, United States), J. Ferguson, M. Krevolin, M. Lewinski, E. Marlowe*
- EV0221**      **Comparison of the Sofia *S. pneumoniae* FIA test (Quindel) to the BinaxNOW (Alere) to detect *Streptococcus pneumoniae* antigen in urine**  
*E. Bessede\* (Bordeaux, France), C. Couzigou, S. Baklouti, F. Megraud*
- EV0222**      **Polish national external quality assessment scheme in microbiology diagnostics (POLMICRO) – 20 years of experience**  
*A. Mikołajczyk\* (Warsaw, Poland), E. Młodzińska, K. Bosacka, E. Stefaniuk, M. Fortuna, W. Hryniewicz*
- EV0223**      **Identification of previously unknown bacterial species by MALDI-TOF MS**  
*M. Bruins\* (Zwolle, Netherlands), M. Wolfhagen*
- EV0224**      **Plasma proteomics indicates bloodstream infection among febrile patients**  
*P. Kuusela\* (Helsinki, Finland), M. Saraswat, J. Kaartinen, A. Järvinen, R. Renkonen*
- EV0225**      **Identification of a characterized challenge set of moulds, *Mycobacterium* and *Nocardia* strains using the new bioMérieux VITEK MS v3.0\* Database**  
*P. Dwivedi\* (Hazelwood, United States), C. Bradford, D. Pincus, K. Hanson, J. Rychert, S. Slechta, M. Beard, B. Body, E. Babady, E. Miranda, Y. Tang, D. Sutton, N. Wiederhold, S. Butler-Wu*
- EV0226**      **Evaluation of ESwarbs versus dry swabs for the detection of *Neisseria gonorrhoeae* using molecular assays in patients with urethritis**  
*K. Mlisana\* (Durban, South Africa), N. Mitchev, R. Singh*
- EV0227**      **Evaluation of a NAT control lyophilised material for the diagnosis of respiratory infections**  
*S. Kempster\* (South Mimms, United Kingdom), C. Santirso Margaretto, K. Doris, R. Anderson, N. Almond*
- EV0228**      **Relationship between quantitative culture and cycle threshold values obtained in a PCR for diagnosis of community-acquired pneumonia**  
*M. Causse del Rio\* (Cordoba, Spain), G. Julia, R. Tejero-García, M. Casal-Román*
- EV0229**      **BioGX open system reagents syndromic menu expansion on the BD MAX**  
*C. Clay\* (Pretoria, South Africa), C. Corcoran*
- EV0230**      **Epidemiological study of *Bordetella pertussis* in children below one year old during the 2015–2016 outbreak in Hospital Universitario La Paz (Madrid) – real-time PCR assessment**  
*P. Troyano Hernández\* (Madrid, Spain), L. Alonso Acero, S. Román Soto, M. De Pablos Gómez, J. García Rodríguez*
- EV0231**      **Evaluation of quantitative LDTs as well as TaqMan based LDTs in a sample-to-answer format on the ARIES platform**  
*F. Simons\* (‘s-Hertogenbosch, Netherlands), A. Benfield, K. Homb, M. Phillips*
- EV0232**      **Use of direct 16S PCR and sequencing from heart valves and vegetations in infective endocarditis**  
*K. Chew\* (Singapore, Singapore), J. Cheng, K. Chew, R. Lin*
- EV0233**      **False- positive pneumococcal antigen test in two cases of pleural empyema**  
*C. Jost\* (Metz, France), M. Bendavid, C. Pierron, Y. Picard, H. Hochard, S. Bonacorsi, M. Caseris*
- EV0234**      **Evaluation of an isothermal strand-invasion-based amplification (SIBA) technique in a two-step algorithm for detection of toxigenic *Clostridium difficile* strains in diarrhoeal stool samples**  
*J. Van Broeck\* (Brussels, Belgium), K. Soumillion, M. Delmée*
- EV0235**      **Implementation of BCID multiplex PCR facilitates reporting preliminary pathogen ID in a 24-hour-service clinical laboratory**  
*J. Koo\* (Hong Kong, Hong Kong), A. Yeung, J. Kwok*
- EV0236**      **MALDI Biotyper system for diagnosis of oral microbiome in healthy people and periodontal disease patients**  
*Y. Wei\* (Hsinchu, Taiwan), Y. Chang, H. Chan, W. Cheng*
- EV0237**      **Development and evaluation of urine-based rapid molecular diagnostic test for pulmonary tuberculosis with potential for point-of-care: Cape Town cohort**  
*K. Patel\* (Weimar, Germany), I. Labugger, C. Geldmacher, M. Wesolowski, M. Nagel, K. Dheda, M. Hoelscher*
- EV0238**      **ImmunoCard STAT! HpSA rapid immunoassay evaluation**  
*D. Bibbs\* (Cincinnati, United States), L. Robertson, J. Kraft*

- EV0239**      **Diagnosis of borreliosis by the Fluorotype *Borrelia* kit**  
*L. Cavalie\* (Toulouse, France), H. Guet-Revillet, D. Dubois, C. Delmas, E. Oswald, M. Prere*
- EV0240**      **Comparison of Anyplex II STI-7 detection and Allplex STI Essential PCR assays for detection of seven sexually transmitted infections on urine and vaginal specimens**  
*A. Beby Defaux\* (Poitiers, France), M. Garcia, P. Chloé, E. Perraud, A. Bourgoïn, N. Lévêque*
- EV0241**      **Proenkephalin, neutrophil gelatinase-associated lipocalin, and estimated glomerular filtration rates in patients with sepsis**  
*H. Kim\* (Seoul, South Korea), H. Kim, M. Hur, H. Moon, S. Lee, R. Marino, L. Magrini, P. Cardelli, J. Struck, A. Bergman, O. Hartmann, S. Di Somma*
- EV0242**      **GenoType HelicoDR test as a novel alternative to histology and culture for detection of *Helicobacter pylori* strains and their resistance to clarithromycin and fluoroquinolones**  
*A. Peretz\* (Tiberias, Israel), N. Pastukh, D. Simoni*
- EV0243**      **Prevalence of anaerobic bacteria in the lower respiratory tract of cystic fibrosis patients and the identification potential of MALDI-TOF MS**  
*H. Sahly\* (Hamburg, Germany), M. Daniels, I. Held, C. Runge, W. Sextro*
- EV0244**      ***Bordetella pertussis*: evaluation of a new chemiluminescent test LIAISON *Bordetella pertussis* toxin IgG and IgA**  
*M. Oggioni\* (Milan, Italy), D. Campisi*
- EV0245**      **Rapid typig of ciprofloxacin non-susceptible *Klebsiella pneumoniae* strains by using the Raman spectrum-based machine-learning algorithm**  
*H. Lee\* (Seoul, South Korea), Y. Kim, Y. Cheong, H. Kang, Y. Han*
- EV0246**      **Novel micelle PCR for accurate, sensitive and quantitative microbiota profiling**  
*R. Jansen\* (Haarlem, Netherlands), S. Boers, J. Hays*
- EV0247**      **Application of MALDI-TOF for identification of non-tuberculous mycobacteria in a clinical setting**  
*E. Carretto\* (Reggio Emilia, Italy), G. Russello, R. Visiello, D. Barbarini, M. Bardaro, F. Del Bianco, D. De Vitis, M. Matteucci, V. Sambri*
- EV0248**      **Evaluation of MALDI-TOF MS (BioMérieux) for non-tuberculous mycobacteria identification**  
*D. Romero\* (Barcelona, Spain), M. Ballester Tellez, M. Vivas, J. Vegue, M. Marina, S. Torne, M. Espasa, J. González-López, M. Tórtola Fernández*
- EV0249**      **Lack of clinical suspicion for *Clostridium difficile* infection – a current problem**  
*R. Haro-Blasco\* (Albacete, Spain), A. Escudero-Jimenez, M. Martínez-Serrano, M. Creso-Sánchez*
- EV0250**      **Development of a semi-quantitative women's health bacterial panel on the Luminex® NxTAG® platform**  
*D. Irwin\* (Toronto, Canada), N. Pelte, L. Mazur, I. Chaplyk, D. Mihalov, H. Zhang*
- EV0251**      **Visual detection of enterohaemorrhagic *E. coli* O157:H7 using LAMP**  
*R. Ranjbar\* (Tehran, Iran), N. Jonaïdi Jafari, M. Izadi*
- EV0253**      **Diagnostic utility of real-time PCR for *Borrelia burgdorferi sensu lato* in the cerebrospinal fluid in children with Lyme neuroborreliosis**  
*B. Kasztelewicz\* (Warsaw, Poland), D. Dunin-Wąsowicz, D. Chmielewski, K. Tomaszek, T. Kmiec, K. Kamińska, A. Pawińska, K. Dzierzanowska-Fangrat*
- EV0254**      **SYBRGreen-based real-time PCR for the detection of *mcr-1*-mediated colistin resistance in human stool samples**  
*V. Dona\* (Bern, Switzerland), O. Bernasconi, R. Tinguely, S. Kasraian, A. Endimiani*
- EV0255**      **MALDI-TOF and the classical *Bordetella* species: a brief experience**  
*J. Zintgraff\* (Caba, Argentina), M. Santos, C. Vay, C. Sorhouet Pereira, M. Cadario, M. Arias, C. Lara*
- EV0256**      **Clinical impact of rapid reporting for the molecular identification of *Mycoplasma pneumoniae* and antimicrobial resistance to macrolide**  
*K. Yamashita\* (Tsukuba, Japan), H. Suzuki, S. Notake, M. Noguchi, K. Nakamura, D. Hayashi, H. Imai*
- EV0257**      **Preliminary evaluation of the development version of FilmArray BJI panel: a fast way for the detection of bacteria and fungi in bone and joint infections**  
*C. Dupieux-Chabert\* (Lyon, France), A. Monteix, L. Abad, T. Martin, P. Gracieux, C. Jay, S. Magro, F. Laurent*

- EV0258** **A sensitive culture-free bacterial sepsis detection in less than 3 hours**  
*M. Hassan\* (Brisbane, Australia), A. Ranzoni, M. Cooper*
- EV0259** **Improved diagnostic performance of an IF-based rapid diagnostic test for group A streptococci**  
*A. Gervais\* (Geneva, Switzerland), L. Lacroix, D. Schaller, A. Cherkaoui, R. Tabin*
- EV0260** **Which molecular method for *H. pylori* before onset of eradication therapy? A preliminary study by gastroenterologists and microbiologists**  
*Y. Gürol\* (Istanbul, Turkey), Z. Kipritci, E. Aslan*
- EV0261** **Diagnosis of prosthetic joint infections by metagenomic-based nanopore sequencing**  
*T. Street\* (Oxford, United Kingdom), N. Sanderson, B. Atkins, A. Brent, D. Foster, S. Oakley, M. McNally, A. Taylor, T. Peto, D. Crook, D. Eyre*
- EV0263** **Evaluation of the BD MAX enteric bacterial panel (EBP) and the extended EBP**  
*T. Ennefors\* (Örebro, Sweden), P. Mölling, P. Nilsson, M. Sundqvist*
- EV0264** **Comparison of ARIES group A *Streptococcus* molecular assay with culture for laboratory detection of acute pharyngitis**  
*R. Selvarangan\* (Kansas City, United States), N. Kanwar, M. Gripka, F. Hassan, J. Xu, B. Reuter, R. Dunn*
- EV0265** **Utility of the Abbott IRIDICA rapid microbial screening assay in the diagnosis of early-onset neonatal infection**  
*M. Wilks\* (London, United Kingdom), A. Massiah, A. Saso, P. Shah, A. Whiley, A. Sinha, M. Millar*
- EV0266** **Synovial fluid D-lactate – a promising bacteria-specific biomarker for diagnosis of periprosthetic joint infection**  
*K. Yermak\* (Berlin, Germany), S. Karbysheva, A. Trampuz, N. Renz*
- EV0267** **Use of Raman spectroscopy for identification of staphylococci**  
*F. Ruzicka\* (Brno, Czech Republic), K. Mlynarikova, O. Samek, M. Šiler, P. Petras, J. Sokolova, V. Hala*
- EV0268** **Real-time PCR for detection of *Chlamydia trachomatis* and *Neisseria gonorrhoeae* from clinical samples**  
*J. Galán\* (Madrid, Spain), M. García-Arta, C. González, E. Álvarez-Santas, J. Jaqueti, L. Molina, J. García-Martínez, S. Prieto, M. Alonso*

- EV0269** **Evaluation of replacement material for an international standard for syphilis IgG & IgM antibodies**  
*D. Padley\* (Potters Bar, United Kingdom), F. Phimister, J. Duran, N. Almond*
- EV0270** **Results of a prospective randomized multi-centre trial to assess the impact of laboratory-based rapid diagnosis using MALDI-TOF technology on outcomes of patients with bloodstream infection (RAPIDO study)**  
*A. MacGowan\* (Bristol, United Kingdom)*
- EV0271** **Whole-genome sequencing of bacterial isolates for outbreak analysis and pathogen typing**  
*M. Arne\* (Aarhus, Denmark), A. Sand, K. Einer-Jensen, A. Christensen, M. Bundgaard*
- EV0271A** **Evaluation of Seegene Anyplex Plus MTB/NTM for detection of *M. tuberculosis* complex in respiratory samples**  
*I. De Toro Peinado\* (Malaga, Spain), M. Bermúdez Ruiz, M. Mediavilla Gradolph, R. Sainz Rodriguez, B. Palop*
- EV0271B** **Microscopic diagnosis and real-time PCR test for diagnosis of *Pneumocystis jirovecii* pneumonia**  
*I. De Toro Peinado\* (Malaga, Spain), M. Mediavilla Gradolph, M. Valverde Troya, R. Sainz Rodriguez, B. Palop, M. Bermúdez Ruiz*
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- EV016** **08:45 – 15:30**  
**More on viral hepatitis**
- EV0272** **Accuracy of Versant HCV Genotype 2.0 (LIPA) to determine hepatitis C virus genotype and subtype**  
*A. Avellon Calvo\* (Majadahonda, Spain), M. Munoz-Chimeno, L. Martin, A. Roman, J. Echevarria*
- EV0273** **Usefulness and characteristics of rapid amplification methods to monitor hepatitis C viral-loads**  
*C. Pronier\* (Rennes, France), W. Allali, S. Akhavan, A. Maillard, G. Lagathu, V. Thibault*
- EV0274** **Seroprevalence of hepatitis E virus among liver transplant patients in Croatia: preliminary pilot study data**  
*A. Vince\* (Zagreb, Croatia), A. Mrzljak, O. Djakovic Rode, P. Dinjar Kujundžić, S. Perkovic*
- EV0275** **Prevalence of blood-borne viruses among Iranian dentists – results of a national survey**  
*S. Azimi\* (Tehran, Iran), S. Jazayeri, A. Akhoondi, N. Momeni, L. Ghalichi*

- EV0276** **Direct-acting antivirals in HIV/HCV-coinfected patients: efficacy and safety in the real-life**  
F. Barchiesi\* (Ancona, Italy), M. Bora, C. Valeriani, O. Cirioni, A. Giacometti
- EV0277** **Effect of interferon-free antiviral therapy on glomerular and tubular kidney involvement in HCV child acirrhosis**  
L. Volpicelli\* (Rome, Italy), D. Palazzo, E. Biliotti, F. Tinti, A. Bachetoni, S. Grieco, A. Cappoli, M. Subic, M. D'Alessandro, R. Labriola, P. Perinelli, I. Umbro, P. Rucci, A. Mitterhofer, G. Taliani
- EV0278** **Treatment of hepatitis C with new direct-acting antiviral agents in a population of difficult-to-treat patients: mono-infected and HIV co-infected cirrhotic patients**  
G. Chieffo\* (Pavia, Italy), L. Pagnucco, R. Maserati, R. Gulminetti, M. Mondelli, S. Novati, L. Minoli
- EV0279** **Epidemiological, clinical and microbiological characteristics of patients diagnosed with HCV in treatment with the new direct acting antiviral drugs: analysis of the 2015–2016 cohort in Navarre**  
A. Pérez-García\* (Pamplona, Spain), A. Aguinaga, L. Fernandez, R. Juanbelta, J. Castilla Catalán, C. Ezpeleta
- EV0280** **Hepatitis C virus core antigen in the monitorization of interferon-free HCV therapies**  
J. Sanchez Calvo\* (Jerez de la Frontera, Spain), I. Pavón Guerrero, E. Torres Martos, C. Cepero Leon, M. Blanco Rodriguez, J. Sierra Sánchez, J. Alados Arboledas
- EV0281** **Clinical evaluation of the veris system for HCV RNA quantification**  
A. Roque-Afonso\* (Villejuif, France), L. Izquierdo, C. Prégermain, C. Hottelet
- EV0282** **Technical evaluation of HCV LIAISON XL Murex HCV Ab II and HCV Murex ETI-MAX for hepatitis C virus total antibody detection**  
A. Avellon Calvo\* (Majadahonda, Spain), M. Munoz-Chimeno, L. Morago, S. Arroyo, J. Echevarria, N. Reyes
- EV0283** **In silico analysis of hepatitis B surface antigen (HBsAg) mutations in HIV-positive patients being diagnosed with occult hepatitis B infection (OBI)**  
V. Poortahmasebi\* (Tehran, Iran), M. Poorebrahim, A. Sadeghi, S. Jazayeri
- EV0284** **Acute hepatitis B over a 10-year period in public hospitals of Marseille, southeastern France: no decrease in incidence and great viral genotype diversity**  
P. Colson\* (Marseille, France), P. Petit, P. Borentain, S. Aherfi, A. Motte, H. Tissot-Dupont, D. Botta Fridlund, C. Tamalet, A. Menard, R. G  rolami
- EV0285** **Active hepatitis delta virus (HDV) super infection: a neglected emerging health security threat in Pakistan**  
B. Khan\* (Karachi, Pakistan), S. Khan, J. Qazi
- EV0286** **Spontaneous relapse in patients with inactive chronic hepatitis B virus infection**  
M. Hasanjani Roushan\* (Babol, Iran), M. Karagi, M. Soleimani Amiri
- EV0287** **Does soluble CD26 predict outcome of acute hepatitis E viral infection?**  
A. Rafiei\* (Sari, Iran), A. Mirabi, A. Ahami
- EV0288** **Host factors associated with spontaneous hepatitis C virus clearance**  
E. El-Ghitany\* (Alexandria, Egypt)
- EV0289** **Correlation between hepatitis B virus core-related antigens (HBcrAg) and HBV-DNA in HBV infection monitoring: a preliminary study**  
D. Campisi\* (Milano, Italy), V. Lepera, A. Nava, D. Fanti
- EV0290** **Are nail clippings a reservoir for HBV DNA?**  
M. Altindis\* (Sakarya, Turkey), M. Koroglu, A. Ozbek, T. Demiray, E. Guclu, O. Karabay
- EV0291** **Hepatitis A mini-outbreaks in southern Israel involving Thai migrant workers**  
I. Fuchs\* (Beer Sheva, Israel), S. Codish, E. Har Shemesh, V. Aloni, I. Koren, Y. Shemer Avni, E. Schwartz

EV017 08:45 – 15:30

#### Mother & child health

- EV0292** **The PIL study – pyrexia in labour or within four hours of delivery: risk factors, infection outcomes and diagnostic criteria**  
D. Fitzgerald\* (Dublin, Ireland), S. Knowles, P. Downey, M. Robson, I. Browne

**EV0293** The association between *H. pylori* infection in mothers and newborns' anthropometric indices in pregnant women referred to Fatemeh Women Hospital, Hamadan, Iran  
S. Rabiee\* (Hamadan, Iran), S. Mohammadi, N. Fallah, M. Fallah

**EV018** 08:45 – 15:30

**Mycobacterial matters**

**EV0294** Quantifying the need for enhanced case management of TB patients in North West England as part of regional TB cohort audit  
A. Tucker\* (Bury, United Kingdom), P. Cleary, P. MacPherson, J. Walker, M. Woodhead, T. Wingfield, B. Squire

**EV0295** Use of an interferon-gamma release assay (IGRA) for detection of latent tuberculosis infection (LTBI) among contacts of patients with tuberculosis  
E. Priavali\* (Ioannina, Greece), G. Kapnisi, H. Sakkas, C. Gartzonika, A. Giannaki, C. Boboyianni, A. Charisis, S. Levidiotou

**EV0296** Clinical profile of mycobacteraemia in disseminated tuberculosis and HIV infection  
A. Mathuram\* (Vellore TamilNadu, India), J. Michael

**EV0297** Evidence of hetero-resistant MTB strain by Xpert probe analysis: a case report  
G. Lombardi\* (Bologna, Italy), P. Dal Monte, F. Bisognin, A. Denicolò, M. Di Franco, V. Sambri, M. Landini

**EV0298** Clinical characteristics of tuberculosis patients with diagnosis delay in Cali, Colombia  
J. Garcia-Gomez\* (Cali, Colombia), J. Cayla, R. Pacheco, A. Restrepo-Cedeño

**EV0299** Tuberculosis presentation in immunosuppressed patients with inflammatory myopathies  
A. Tonacio de Proenca\* (São Paulo, Brazil), L. Vilas Boas, S. Shinjo

**EV0300** The association between pulmonary tuberculosis infection and atrial fibrillation – a nationwide population-based cohort study  
S. Chen\* (Taipei, Taiwan)

**EV0300A** Prevalence of non-tuberculous mycobacteria in the north-west of Italy: a seven-year analysis  
I. Motta\* (Turin, Italy), P. Resente, V. Ghisetti, P. Piccioni, A. Calcagno

**EV019** 08:45 – 15:30

**New antibacterial agents & stewardship**

**EV0301** Characteristics and outcomes in patients with *C. difficile* infection (CDI) and inflammatory bowel disease: bezlotoxumab versus placebo  
M. Wilcox\* (Leeds, United Kingdom), C. Kelly, H. Glerup, N. Abo, K. Eves, M. Dorr

**EV0302** Efficacy and safety of triple eradication therapy with josamycin  
S. Sidorenko\* (St. Petersburg, Russian Federation), N. Baryshnikova, Y. Uspenskiy, A. Suvarov

**EV0303** A pilot study of novel liposomal colistin sulphate versus colistin sulphate in rats; plasma concentration and safety profile  
P. Koomanachai\* (Bangkok, Thailand), S. Umpawong, U. Ruktanonchai, V. Thamlikitkul

**EV0304** Polymyxin B nonapeptide is nephrotoxic in male *Cynomolgus* monkeys following 7 days of repeated intravenous dosing  
S. Coleman\* (Cambridge, United States), T. Zabawa, L. Utley

**EV0305** CAL02 anti-toxin agent against *Pseudomonas aeruginosa* infection: first demonstrations of efficacy  
S. Azeredo da Silveira Lajaunias\* (Geneva, Switzerland), F. Lajaunias, A. Perez

**EV0306** Evaluation of a novel antimicrobial peptide derivative in combination with vancomycin against *Staphylococcus aureus*  
J. Shurko\* (San Antonio, United States), G. Lee

**EV020** 08:45 – 15:30

**New vaccine front**

**EV0307** Comparison of immune responses elicited by thiol-specific antioxidant-based protein vaccines and DNA vaccines with adjuvants in BALB/c mice infected with *Leishmania major*  
F. Tabatabaie\* (Tehran, Iran), N. Khabazzadeh Tehrani, S. Zarrati, M. Mahdavi

**EV0308** *In silico* design and *in vitro* expression of multi-epitope subunit vaccine from uropathogenic *Escherichia coli* against urinary tract infections  
H. Sara\* (Tehran, Iran), S. Bouzari, M. Shokrgozar, M. Asadi Karam, M. Habibi, M. Farokhi, K. Ahmadi

**EV0308A** Construction and assessment of a fusion protein from different antigens of uropathogenic *Escherichia coli* isolates as a new vaccine candidate against urinary tract infection  
M. Asadi Karam\* (Tehran, Iran), M. Habibi, S. Bouzari



- EV0309** Immunoscreening study for identifying immunogenic proteins of *Klebsiella pneumoniae*  
M. Martínez Guitián\* (A Coruña, Spain), J. Vázquez-Ucha, P. García, V. Calamia, S. Rumbo-Feal, M. Poza, G. Bou Arevalo, A. Beceiro
- EV0310** Designing and immunogenicity a novel autophagy targeted DNA vaccine against tuberculosis  
M. Feizabadi\* (Tehran, Iran), J. Moradi, M. Izad, M. Tabrizi, N. Mosavari
- EV0311** Plaque formation of Quesland V4 lentogenic strain of Newcastle disease virus adapted in chick embryo fibroblast cells  
M. Mehrabanpour\* (Shiraz, Iran), D. Mehrabanpour
- EV0312** Persistence of immune responses through 36 months after vaccination with a novel *Staphylococcus aureus* 4-antigen vaccine (SA4Ag)  
R. French\* (Cincinnati, United States), C. Creech, A. Fiquet, R. Feldman, M. Kankam, S. Pathirana, J. Baber, D. Radley, D. Cooper, J. Eiden, W. Gruber, K. Jansen, A. Anderson, A. Gurtman
- EV0313** A phase-2 dose-confirmation immunogenicity and safety study of VLA84, a *Clostridium difficile* vaccine candidate, in adults aged 50 years and older  
N. Bezay\* (Vienna, Austria), K. Dubischar, R. Hochreiter, T. Jelinek, V. Kadlec, S. Kiermayr
- EV0314** Current epidemiological features of pertussis in the Russian Federation  
N. Briko\* (Moscow, Russian Federation), A. Mindlina, R. Polibin, S. Mindlin
- EV0315** Tetanus vaccination in agricultural workers: a study of knowledge, attitudes and practices from north-eastern Italy  
M. Ricco\* (Trento, Italy)
- EV0315A** Induction of significant IgA antibody, CD73 and CD103 levels in intranasally administered BALB/C mice with influenza virus-like particle  
H. Namdari\* (Tehran, Iran), F. Rezaei, Z. Amirghofran
- EV0317** Molecular epidemiology and clinical outcomes of *Clostridium difficile* infections from North West London hospitals: is 220 an under-appreciated severe ribotype?  
R. Herbert\* (London, United Kingdom), J. Hatcher, N. Obaray, M. Rebec, T. Rickards, S. D'arc, A. Thomas, A. Jepson, S. Sriskandan
- EV0318** Training impacts adherence to hand hygiene in an intensive care unit  
F. Bellissimo-Rodrigues\* (Ribeirão Preto, Brazil), M. Meneguetti, G. Gaspar, A. Basile, A. Laus, M. Lourencini Puga, M. Martins
- EV0319** Hospital wastewater as a route for transmission of carbapenem-resistant *Acinetobacter baumannii* outside the hospital setting  
I. Goic Barisic\* (Split, Croatia), A. Kovacic, M. Tonkic, M. Seruga Music, A. Novak, Z. Rubic, J. Hrenovic
- EV0320** Interhospital spread of a multidrug-resistant *Acinetobacter baumannii* strain: phenotypic and molecular characterization of an outbreak  
J. Sanchez Calvo\* (Jerez de la Frontera, Spain), F. Galan-Sanchez, E. Torres Martos, L. Lopez Cerero, F. Fernández-Cuenca, J. Alados Arboledas, M. Rodriguez-Iglesias, M. López Prieto
- EV0321** Distribution of *Stenotrophomonas maltophilia* isolates in hospital environments and clinical samples of Thailand  
V. Vuddhakul\* (Hat Yai, Thailand), P. Paopradit, K. Srinithiworawong
- EV0322** A long-term multidrug-resistant *Providencia stuartii* outbreak in a Tunisian intensive care unit  
B. Mnif\* (Sfax, Tunisia), K. Chtara, M. Bouaziz, A. Hammami
- EV0323** Early and late onset ventilator-associated pneumonia: multidrug-resistant Gram-negative pathogens and outcomes  
A. Ciginskiene\* (Kaunas, Lithuania), D. Adukauskienė
- EV0324** Outbreak of *Stenotrophomonas maltophilia* in the department of haemodialysis due to water contamination  
E. Van Hauwermeiren\* (Brescia, Italy), L. Signorini, G. Moïoli, E. Chiari, D. Mangioni, G. Paronin, R. Stellini, M. Brognoli, E. Costantino, A. Dada, P. Pedroni, F. Castelli
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- EV021** 08:45 – 15:30  
**Nosocomial infection surveillance & epidemiology**
- EV0316** Clinical outcomes following community-associated and hospital-associated hospital onset *Clostridium difficile*  
A. Leanord\* (Glasgow, United Kingdom), C. Robertson, J. Pan, I. Ford, C. McCowan, A. Walker, K. Kavanagh, M. Bennie, C. Marwick

- EV0325**      **Prevalence, risk factors, and the genetic basis for ESBL Enterobacteriaceae identified by universal admission screening: ESBL winging its way around the world**  
*J. Otter\** (London, United Kingdom), A. Natale, R. Batra, E. Dyakova, S. Goldenberg, J. Edgeworth
- EV0326**      ***Stenotrophomonas maltophilia* from infected hospitalized patients: a focus on the most pathogenic genetic backgrounds**  
*J. Decousser\** (Créteil, France), C. Corlouer, B. Lamy, M. Desroches, J. Ramos-Vivas, E. Mehiri, O. Lemenand, C. Bvh
- EV0327**      **Prevalence of multidrug-resistant organisms in refugee patients, medical tourists and domestic patients admitted to a German university hospital**  
*C. Reinheimer\** (Frankfurt, Germany), V. Kempf, K. Jozsa, T. Wichelhaus, M. Hogardt, F. O'Rourke, C. Brandt
- EV0328**      **Risk factors for extensive-drug-resistant *Acinetobacter Baumannii* in neonatal patients: a case-control study**  
*R. Tekin\** (Diyarbakir, Turkey), S. Cevik, F. Aktar, M. Kosker, M. Celik
- EV0329**      **Analysis of risk factors associated with an outbreak of NDM-producing CPE in a London hospital**  
*J. Otter\** (London, United Kingdom), E. Dyakova, S. Mookerjee, F. Davies, E. Brannigan, M. Gilchrist, A. Holmes, C. Costelloe
- EV0330**      **Monitoring of environment microbial contamination in immunohaematology and transfusion unit of a general hospital in North Italy: evaluation of Copan Hygiene Monitoring System**  
*G. Ortalli\** (Bergamo, Italy), E. Diani, F. Vailati, A. Falanga, C. Farina
- EV0332**      **Trends in microbiological water quality in dental units in northwestern Germany**  
*E. Kruse\** (Cologne, Germany), I. Walther, U. Aurbach, P. Hartmann, A. Wehner, H. Wisplinghoff
- EV0333**      **An outbreak of acute endophthalmitis caused by intra-vitreous injection of contaminated bevacizumab: investigation using MALDI-TOF MS protein fingerprinting**  
*A. Angrup\** (Chandigarh, India), S. Krishnamoorthi, M. Biswal, V. Gautam, P. Ray, M. Dogra, R. Singh, D. Katoch, V. Gupta
- EV0334**      **Healthcare-associated infections in migrants: five-year results of a tertiary care hospital**  
*G. Ertem\** (Ankara, Turkey), E. Topal, F. Erdinç, N. Tulek, Ç. Ataman Hatipoğlu
- EV0335**      **A cluster of *Chryseobacterium indologenes* cases related to water pipelines in intensive care units**  
*L. Jiménez Márquez\** (Madrid, Spain), L. Parra Ramírez, M. Guerrero Vadillo, M. Cantero Caballero, J. Oteo, Á. Asensio, I. Sanchez-Romero
- EV0336**      **Leech management before application to patient for preventing healthcare-associated infections: results of a nationwide survey**  
*D. Grau\** (Montpellier, France), R. Masson, M. Villiet, B. Lamy
- EV0337**      **Barriers to prompt respiratory isolation of hospitalized patients with infectious tuberculosis: a hospital-wide investigation**  
*H. Sun\** (Taipei, Taiwan), F. Chi-Tai, Y. Chen, P. Hsueh, J. Wang, S. Chang, P. Yang, J. Wang, N. Chou
- EV0338**      **One-in-four hospital-onset Gram-negative blood-stream infections are potentially preventable?**  
*M. Skally\** (Dublin, Ireland), M. Brady, S. Donlon, E. Smyth, H. Humphreys, B. Dinesh, L. Rajan, K. Burns, F. Fitzpatrick
- EV0339**      **Evaluation of a real-time PCR method for detection of nasal methicillin-resistant *Staphylococcus aureus* (Xpert MRSA NxG®) in patients with carriage risk factors at the time of admission to a general hospital**  
*V. Diaz-Brito Fernandez\** (Sant Boi, Spain), A. Gonzalez, M. Alvarez, E. Moreno, E. Guerrero, A. Capella, E. Rovira, D. Cuadras
- EV0340**      **Changing third-generation cephalosporin policy reduces methicillin-resistant *Staphylococcus aureus* and extended-spectrum beta-lactamase-producing Enterobacteriaceae nosocomial infections rates**  
*B. Tan\** (Lyon, France), L. Parmeland, P. Misslin, C. Pariset, E. Vivier, C. Pommier, P. Poirié, J. Zahar, C. Haond, K. Ait Bouziad, L. Témime, M. Hocine
- EV0341**      **Study of mupirocin resistance strains within an active surveillance programme over a period of eight years**  
*Y. Pedroso Fernández\** (San Cristobal de la Laguna, Spain), L. Sante, M. Ramos, Z. Díaz, R. Kohan, M. Lecuona

- EV0342** **Epidemiology and real-time surveillance by MALDI-TOF of bacterial species in public hospitals of Marseille, France over a 2-year period**  
J. Rolain\* (Marseille, France), D. Oumou, T. Dieng, H. Chaudet, C. Abat, J. Casalta, S. Diene, F. Gouriet, P. Fournier, P. Colson, D. Raoult
- EV0343** **Low genetic diversity of *Legionella pneumophila* serogroup 6 ST728 isolates from nosocomial cases during 20 years**  
K. Hansen\* (Copenhagen, Denmark), S. Uldum, M. Stegger, L. Andersen
- EV0344** **Endoscopic retrograde cholangiopancreatography-associated bloodstream infections**  
E. Seminari\* (Pavia, Italy), L. Scudeller, C. Sarda, F. Broglia, A. Schimmenti, A. Di Matteo, A. Muzzi, M. Leoni, C. Alvisi, M. Corbella, P. Marone
- EV0345** **Molecular characteristics of carbapenemase-producing Gram-negative pathogens causing SSIs**  
M. Ali Khalaf Ali Gad Elmawla\* (Cairo, Egypt), A. A. El-Kholy, M. G. El Enany, M. M. Sherif
- EV0346** **Are bacterial isolates after gastrointestinal surgery different between operated organ and type of surgical site infections (SSI)-sub-set analysis of first Japanese nationwide susceptibility surveillance**  
S. Kusachi\* (Tokyo, Japan), Y. Takesue, H. Nishimuta, M. Watanabe, K. Asai, T. Saito, M. Kujiraoka, T. Niitsuma, T. Kiribayashi, N. Katada, Y. Saida
- EV0347** **Central line-associated bloodstream infection in cancer patients: MBI-LCBI x non-MBI-LCBI**  
T. Sukiennik\* (Porto Alegre, Brazil), R. Neto Pires, A. Monteiro, D. Wiltgen, R. Cechinel
- EV0348** **Staphylococcal adherence on graphene-UHMWPE composites**  
J. Esteban-Moreno\* (Majadahonda, Spain), M. García Coca, J. Aguilera Correa, J. Pascual, J. Puércolas
- EV0349** **Ventriculoperitoneal shunt infections: a retrospective analysis during a three-year period**  
A. Welikow\* (São Paulo, Brazil), A. Santos, J. Veiga
- EV0350** **Infections associated with implantable cardiac electronic devices: microbiology study and analysis of management practices**  
E. Bonnet\* (Toulouse, France), A. Berreni, J. Galinier, S. Boveda
- EV0351** **Porous alumina ceramic as a bone scaffold with antibacterial qualities**  
E. Denes\* (Limoges, France), T. Ouk, G. Barrière, E. Poli, G. Leveque, K. Grenier, V. Sol, E. Lacour, C. Woloch
- EV0352** **Cardiovascular implantable electronic devices fungal infections: unpredicted frequency and challenging management**  
S. Carbonara\* (Bari, Italy), R. Dell'Acqua, G. Luzzi, C. Fabrizio, L. Lepore, C. Mandurino, M. Battista, S. Favale, G. Miragliotta, G. Angarano
- EV0353** **Contribution of a multiplex serological assay to the preoperative documentation of prosthetic joint infection**  
M. Rottman\* (Garches, France), T. Bauer, I. Ghout, A. Roux, S. Marmor, B. Heym, J. Rogé, P. Aegerter, J. Gaillard
- EV0354** **Presence of joint prosthesis is associated with increased risk for infection due to oral-cavity bacteria**  
E. Vacha\* (Munich, Germany), H. Deppe, A. Trampuz, N. Wantia
- EV0355** **Antibacterial properties of bioactive materials functionalized with silver nanoparticles and plant-derived biomolecules to minimize implant infections**  
G. Banche\* (Turin, Italy), V. Allizond, A. Cuffini, E. Marra, S. Spriano, S. Ferraris, M. Cazzola, M. Miola, C. Berteau
- EV0356** **Porous alumina ceramic as a vector for local antibiotic delivery**  
E. Denes\* (Limoges, France), F. Bertin, G. Barrière, E. Poli, G. Leveque, C. Woloch
- EV0357** **Sonication: better, faster, stronger**  
T. Kramer\* (Berlin, Germany)
- EV0358** **Environmental *Aspergillus* spp. contamination during the move of an onco-haematological paediatric unit in a temporary ward: efficacy of protective measures**  
P. Berthelot\* (Saint-Etienne, France), A. Laurew, J. Gagnaire, H. Raberin, S. Thouvenin, M. Turco, M. Siedlik, F. Grattard, F. Chord, J. Stephan
- EV0359** **Treatment management and outcomes in patients with *Clostridium difficile* infection (CDI): assessing the impact of renal disease**  
R. Kullar\* (Kenilworth, United States), A. Rastogi, A. Li, J. Saidan, A. Asaturyan, M. Hanna, E. Joseph, L. Puzniak
- EV0360** **Selective Mueller Hinton enrichment broth improves recovery rates of carbapenemase-producing Enterobacteriaceae (CPE) from rectal swabs**  
M. Assous\* (Jerusalem, Israel), L. Kashat, G. Weinberg, E. Ben-Chetrit, Y. Wiener-Well, K. Puah

EV022 08:45 – 15:30

Parasitic diseases and international health

**EV0361** **Impact of the Ebola outbreak on human African trypanosomiasis control activities in coastal Guinea, 2014–2015**

A. Duvignaud\* [Bordeaux, France], M. Camara, E. Ouattara, R. Migliani, B. Bucheton, D. Malvy

**EV0362** ***Blastocystis hominis* and PCR: contributions and doubts**

J. Fernandez-Suarez\* [Oviedo, Spain], J. Boga, A. Rodriguez-Guardado, C. Sabater, A. Fernández-Blazquez, A. Leal, F. Vazquez

**EV0363** ***Dientamoeba fragilis* in children attending day-care centres in Copenhagen, Denmark: prevalence, risk factors, and observations over time**

L. Andersen\* [Copenhagen, Denmark], H. Nielsen, P. Jokelainen, B. Jensen, B. Utoft Andreassen, A. Petersen, K. Krogfelt, C. Stensvold

**EV0364** **African migrant hookworm infection: an Italian case**

M. Pacenti\* [Padova, Italy], A. Berto, F. Barbaro, M. Biasolo, S. Porcellato, A. Cattelan, V. Besutti

**EV0365** **Detection and identification of *Acanthamoeba* genotypes in corneal scrapings by real-time PCR and microbiome (16S/18S) analysis**

L. Andersen\* [Copenhagen, Denmark], H. Nielsen, S. Mirbarati, C. Barnadas, C. Stensvold

**EV0366** ***Leishmania* antigens investigation in urine; clinical relevance in immunocompromised patients**

C. Hidalgo Tenorio\* [Granada, Spain], C. Fernández-Roldán, J. Gutierrez Fernández, S. De Jesús, R. Javier, A. Sampedro Martínez, A. Tapia, M. López-Ruz

**EV0367** **Evaluation of anti-amoebic potential of lauric acid against *Entamoeba histolytica***

N. Mohd Shah\* [Sungai Buloh, Malaysia], N. Zainuddin, Z. Mohd Zain, W. Wan Abdul Wahab, R. Suhaimi, S. Mohd Nawi

**EV0368** **Potential infectious diseases following earthquakes and their secondary environmental effects**

M. Mavrouli\* [Athens, Greece], S. Mavroulis, E. Lekkas, A. Tsakris

**EV0369** **The liver as an organ at risk for *Toxoplasma* transmission during transplantation: myth or reality?**

F. Robert-Gangneux\* [Rennes, France], B. Autier, S. Dion

**EV0370** ***Schistosoma mansoni* in a rural community of Ethiopia**

A. Amor\* [Madrid, Spain], M. Anegagrie, D. Zewdie, A. Benito

**EV0371** **Trichomoniasis and coinfection with other STDs in southern Gran Canaria, Spain**

O. Martín Pujol\* [Las Palmas de Gran Canaria, Spain], N. Bastón Paz, M. Hernández-Betancor, A. Martín Sánchez, F. Cañas Cañas

**EV0372** **Potential infectious diseases following floods induced by extreme precipitation events**

M. Mavrouli\* [Athens, Greece], S. Mavroulis, E. Lekkas, A. Tsakris

**EV0373** **Prevalence of sexually transmitted bacterial infections of Zagreb region from public health laboratory**

S. Ljubin Sternak\* [Zagreb, Croatia], T. Marijan, N. Prazic, N. Jarza-Davila, J. Vranes

**EV0374** **Comparison of real-time PCR tests with the routine diagnosis technique to detect enteric pathogenic protozoa**

I. Valledor\* [Zaragoza, Spain], S. Valledor, F. Castillo, S. Algarate, C. Seral

**EV0375** ***Dientamoeba fragilis* infection in elderly patients**

J. Boga\* [Oviedo, Spain], M. Rodriguez-Perez, J. Fernandez-Suarez, A. Leal, A. Garcia, C. Menendez, F. Vazquez, A. Coto-Montes, A. Rodriguez-Guardado

**EV0376** **Potential infectious diseases following tsunamis induced by earthquakes**

M. Mavrouli\* [Athens, Greece], S. Mavroulis, E. Lekkas, A. Tsakris

**EV0377** **Epidemiological and clinical profile of immunocompromised patients request *Leishmania* antigens detection in urine**

C. Hidalgo Tenorio\* [Granada, Spain], C. Fernández-Roldán, J. Gutierrez Fernández, R. Javier, S. De Jesús, J. Rodríguez Granger, C. García-Vallecillos, J. Pasquau, M. López-Ruz

**EV0378** **Management of children's acute diarrhea by community pharmacies in five Ethiopian towns**

T. Abegaz\* [Gondar, Ethiopia]

EV023 08:45 – 15:30

Pharmacoepidemiology, improved prescribing and antibiotic stewardship

**EV0379** **Nephrotoxic effect of piperacillin-tazobactam in combination with vancomycin**

H. Al Ruwaisan\* [Riyadh, Saudi Arabia], A. Omrani, A. Almohaizeie

- EV0380** **Coadministration of minocycline with colistin in critically ill patients is associated with reduced incidence of acute renal failure**  
*M. Dudley\* (San Diego, United States), K. Sulham, T. Lodise, W. Fan, D. Griffith*
- EV0381** **Daptomycin versus glycopeptides in the treatment of febrile neutropenia: results of the Izmir matched cohort study**  
*O. Sipahi\* (Izmir, Turkey), H. Kahraman, A. Erdem, F. Yetkin, S. Kaya, T. Demirdal, O. Karasahin, O. Guzel Tunccan, E. Kursun, Y. Cag, B. Kurtaran, M. Ulug, M. Kutlu, M. Avci, B. Arda, H. Pullukcu, M. Isikgöz Tasbakan, T. Yamazhan, S. Ulusoy*
- EV0382** **Ceftazidime-avibactam for the treatment of carbapenem-resistant Enterobacteriaceae**  
*A. Soto\* (Vigo, Spain), M. Pérez-Rodríguez, A. Pérez-Landeiro, M. Suárez, A. Sousa-Dominguez, A. Nodar, A. López-Domínguez, M. Álvarez Fernández, M. Crespo*
- EV0384** **Developing peptide antibiotics by mimicking natural antimicrobial peptides**  
*T. Kocagoz\* (Istanbul, Turkey), N. Unubol, M. Acikel Elmas, S. Cinaroglu, T. Ozal Ildeniz, S. Arbak, A. Allahverdiyev*
- EV0385** **Pharmacokinetics (PK)/pharmacodynamics (PD), and safety of 3 g ceftolozane/tazobactam (TOL/TAZ) in critically-ill adult patients**  
*E. Rhee\* (New Jersey, United States), L. Caro, K. Larson, D. Nicolau, J. De Waele, J. Kuti, B. Yu, E. Gadzicki, A. Adedoyin, Z. Zeng*
- EV0386** **Screening antibiofilm activity of extract microalgae and cyanobacteria against Gram-positive cocci**  
*Y. López Cubillas\* (Barcelona, Spain), V. Cepas Lopez, C. Martins, L. Santos, E. Guilloud, I. Probert, J. Moraes, V. Vasconcelos, S. Soto*
- EV0387** **Mechanism of synergistic killing against *Pseudomonas aeruginosa* by polymyxin B and amikacin: a metabolomics approach**  
*M. Hussein\* (Vic, Australia), J. Li, T. Velkov, R. Hancock, B. Tsuji, M. Mahamad Maifiah, Y. Zhu, T. Tran, M. Han*
- EV0388** **Development and validation of a risk scoring system for cephamycin-associated haemorrhagic events**  
*S. Lin\* (Taipei, Taiwan), T. Chien, F. Hsiao, C. Tai, Y. Wang*
- EV0389** **Inappropriate gentamicin prescribing: is it safe to adopt combined use of aminoglycosides with narrow spectrum antibiotics to spare broader spectrum antibiotics?**  
*H. Kandil\* (Stevenage, United Kingdom), I. Wei, T. Vaghela,*
- EV0390** **Pathogen- and antimicrobial-specific resistance in late hospital-acquired infections**  
*L. Sanden\* (Aalborg, Denmark), K. Hussein, M. Paul, S. Andreassen*
- EV0391** **Route of administration substantially influences antimicrobial resistance in urinary tract pathogens from elderly**  
*K. Latour\* (Brussels, Belgium), B. Catry, D. Camellia, R. Bruyndonckx, G. Candida, S. Coenen*
- EV0392** **Potential drug-drug interactions with antimicrobials among hospitalized patients: multicentre point-prevalence study**  
*A. Ulu\* (Istanbul, Turkey), F. Kuscus, S. Inal, M. Suntur, H. Aydemir, S. Gul, K. Ecemis, S. Komur, B. Kurtaran, O. Ozkan, H. Aksu, Y. Tasova*
- EV0393** **Evaluation of antibiotic prescribing in adult patients in an infectious diseases emergency department**  
*M. Logar\* (Ljubljana, Slovenia)*
- EV0394** **Engaging with children, families, healthcare students and community pharmacies in a national antibiotic-awareness campaign**  
*S. Newitt\* (Nottingham, United Kingdom), D. Ashiru-Oredope, A. Rajah, V. Young, W. Nicholson*
- EV0395** **Optimization of carbapenems in intra-abdominal infection**  
*C. Armiñanzas\* (Santander, Spain), M. Vieitez, C. Fernández, L. Galván, J. Calvo Montes, M. Gómez-Fleitas, M. Farinas*
- EV0396** **Reinforcement of antimicrobial stewardship task force aims at better targeting the good use of last-resort antibiotics: the COLITIFOS study**  
*B. Davido\* (Garches, France), F. Bouchand, A. Dinh, C. Perronne, O. Senard, J. Salomon*
- EV0397** **The impact of timing of antibiotic administration on clinical outcomes in patients with community-onset severe sepsis and septic shock: a multicentre observational study**  
*Y. Yoon\* (Seoul, South Korea), K. Yang, D. Park, B. Chun, J. Sohn, H. Cheong, J. Choi, H. Choi, Y. Choi, H. Kim, J. Eom, S. Kim, Y. Song, K. Peck, Y. Kim, J. Kim, M. Kim*



- EV0398** Linezolid associated with lactic acidosis  
*N. Mori\* (Tokyo, Japan), Y. Kamimura, Y. Kimura, S. Hirose, Y. Aoki, S. Bito*
- EV0399** The nosocomial XDR score: a prediction model for nosocomial sepsis caused by extensively drug-resistant (XDR) pathogens  
*D. Marchaim\* (Zerifin, Israel), L. Michaeli, E. Temkin, D. Katz, G. Marcus, R. Zaidenstein, T. Lazarovitch, M. Dadon, C. Daniel*
- EV0400** Outcomes of carbapenem de-escalation therapy  
*C. Hidalgo Tenorio\* (Granada, Spain), S. Sadyrbaeva-Dolgova, P. Aznarte*
- EV0401** Evaluation of antimicrobial pharmacist integration into and prescribing project within WHSCT rapid response team  
*C. Gormley\* (Derry, United Kingdom)*
- EV0402** Appropriateness of diagnosis and treatment of urinary tract infection (UTI) in older adults: Are we over treating?  
*J. Graciani Moura\* (London, United Kingdom), H. Kandil, J. Makker, T. Vaghela, A. Kwan*
- EV0403** Management of patients with a history of penicillin allergy: barriers to best practice and strategies to overcome them  
*G. Calisti\* (Manchester, United Kingdom), S. Elkhaila, L. Owens, R. Carman, T. Garcez, K. Dodgson, K. Alexander*
- EV0404** Implementation of novel molecular diagnostics for detection of group A *Streptococcus* at a large paediatric emergency department in South London  
*A. Demirjian\* (London, United Kingdom), A. Bustinduy, R. Benon, M. Sharland, Y. Iqbal*
- EV0405** Safety of high-dose daptomycin in patients with renal impairment  
*C. Tai\* (Taipei City, Taiwan), C. Wu, S. Lin, Y. Wang*
- EV0406** Is e-prescribing an opportunity or challenge to established stewardship programmes – lessons learnt  
*M. Gilchrist\* (London, United Kingdom), E. Guthrie, D. Geoghegan, E. De Barra, M. Herdman, B. Dean Franklin*
- EV0407** Expansion of the Antibiotic Guardian campaign across Europe to tackle antibiotic resistance  
*S. Newitt\* (Nottingham, United Kingdom), S. Anthierens, S. Coenen, D. Lo Fo Wong, C. Salvi, D. Ashiru-Oredope*
- EV0408** Antibiotic discontinuation in febrile neutropenic patients with acute myeloid leukaemia (AML) and acute lymphoblastic leukaemia (ALL)  
*V. Okhmat\* (Moscow, Russian Federation), G. Klyasova, E. Parovichnikova, V. Troitskaya, E. Gribanova*
- EV0409** Ceftolozane/tazobactam (C/T) prescribing patterns in hospitalized patients: A multicentre evaluation  
*J. Pogue\* (Detroit, United States), S. Merchant, L. Puzniak, J. Hawkshead, E. Rhee, J. Murray, V. Gupta*
- EV0410** Impact of an antibiotic stewardship audit and feedback programme on a general internal medicine ward: a before and after study  
*A. Lee\* (Toronto, Canada), S. John, R. Lovinsky*
- EV0411** Carbapenem de-escalation therapy for patients with complicated urinary tract infections  
*C. Hidalgo Tenorio\* (Granada, Spain), S. Sadyrbaeva-Dolgova, P. Aznarte*
- EV0412** Nephrotoxicity associated with intravenous colistimethate sodium among critically ill patients in University Malaya Medical Centre  
*A. Azhar\* (Kuala Lumpur, Malaysia), H. Sulaiman*
- EV0413** Evaluation of the effect of a carbapenem-sparing regimen promotion  
*A. Dinh\* (Garches, France), T. Tritz, B. Davido, X. Repessé, F. Espinasse, C. Lawrence, B. Gruwez, F. El Sayed, Z. Seridi, M. Hugues, J. Gaillard, J. Salomon, F. Bouchand*
- EV0414** Measurement of time to best antibiotic therapy  
*L. Mulazimoglu\* (Istanbul, Turkey), H. Bilgin, B. Oren Bilgin, V. Korten*
- EV0415** Articulating citizen participation in national policies for addressing antimicrobial resistance in European countries – an updated analysis  
*E. Castro Sanchez\* (London, United Kingdom), M. Iwami, R. Ahmad, A. Holmes*
- EV0416** Early switch/early discharge opportunities for hospitalized patients with methicillin-resistant *Staphylococcus aureus* complicated skin and soft tissue infections in Brazil  
*S. Haider\* (New London, United States), G. Furtado, J. Rocha, R. Hayden, C. Solem, C. Macahilig, W. Tang, R. Chambers, M. Figueiredo, C. Johnson, J. Stephens*
- EV0417** Resistance trends and antibiotic usage in a private tertiary multi-specialty hospital using drug-resistance index (DRI): a 3-year study  
*C. Antonio\* (Quezon City, Philippines)*

- EV0418** **"My Bugs": a smartphone application for the recording of antibiotic treatment information**  
K. Schaffer\* (Dublin, Ireland), J. Britton
- EV0419** **Antibiotic stewardship at a Dutch tertiary university centre ICU; the value of annual antimicrobial consumption records**  
S. Henderson\* (Leiden, Netherlands), K. Veldkamp, M. de Boer, J. van Paassen
- EV0420** **Investigating the impact of poverty on colonization/infection with drug-resistant organisms in humans: a scoping review**  
V. Alividza\* (London, United Kingdom), V. Mariano, S. Steel, A. Holmes, E. Castro Sanchez
- EV0421** **The attitude of healthcare professionals towards antibiotic resistance**  
M. Gajdács\* (Szeged, Hungary), G. Spengler, M. Markó-Kucsera, A. Szabó, E. Paulik
- EV0422** **Eosinophilia and adverse drug reactions in an outpatient parenteral antibiotic therapy cohort of an Asian tertiary hospital**  
C. Chong\* (Singapore, Singapore), H. Cheong, S. Acharyya, Y. Chua
- EV0423** **Drug-drug interactions (DDIs) between ciprofloxacin and nitrofurantoin and other medications in Slovenian nursing homes: a point-prevalence nation-wide study**  
B. Beovic\* (Ljubljana, Slovenia), M. Stuhec, I. Potocin, D. Stepan, L. Ušaj, M. Petek Šter
- EV0424** **Prospective feasibility study to evaluate the utility and acceptability of an antimicrobial stewardship programme to improve antimicrobial usage in a large, urban hospital in Blantyre, Malawi**  
R. Lester\* (Blantyre, Malawi), A. Kalizangoma, D. Kulpani, J. Mallewa, M. Nyirenda, S. Hanger, P. Bogue, R. Tolhurst, R. Heyderman, M. Gordon, N. Feasey
- EV0425** **Antibiotic consumption in German acute care hospitals: first data of a new web-based national surveillance system**  
B. Schweickert\* (Berlin, Germany), M. Feig, M. Behnke, L. Pena Diaz, H. Claus, P. Gastmeier, D. Richter, H. Blank, M. Schneider, E. Missa, T. Eckmanns
- EV0426** **Risk factors for linezolid-induced thrombocytopenia**  
E. Kaya Kılıç\* (Ankara, Turkey), C. Bulut, M. Sonmezer, K. Arslan, Ç. Ataman Hatipoğlu, N. Tulek, S. Kinikli
- EV0427** **Physicians' perceptions on the effective interventions to improve antibiotic prescribing**  
E. Miliori\* (Athens, Greece), A. Milori
- EV0428** **Impact of an antimicrobial stewardship programme on *Clostridium difficile* infection and clinical outcome in a geriatric ward of a large teaching hospital in Rome**  
A. D'Abramo\* (Rome, Italy), A. Oliva, A. Ponzio, A. Di Berardino, M. Cacciafesta, P. Villari, A. Lombardi, M. Carretta, M. De Giusti, F. Romano, P. Marini, A. Guzzo, V. Vullo
- EV0429** **Opportunities to improve antimicrobial stewardship in a tertiary referral hospital in Freetown, Sierra Leone**  
C. Brown\* (London, United Kingdom), F. Beynon, P. Howlett, I. Clarke, S. Conteh, M. Jalloh, G. Deen, T. Kamara, C. Cole, J. Komeh, M. Lado
- EV0430** **The impact of documented penicillin allergies on inpatient antimicrobial use in a national U.S. healthcare system from 2006–2014**  
K. McConeghy\* (Providence, United States), A. Caffrey, H. Morrill, A. Trivedi, D. Dosa, K. LaPlante
- EV0431** **The landscape of *Pseudomonas aeruginosa* clinical isolates in rural northeastern United States and the potential impact on hospital mortality**  
A. Casapao\* (Bangor, United States), M. Wungwattana
- EV0432** **Shortening duration of outpatient parenteral antimicrobial therapy use of ertapenem for complicated urinary tract infections: clinical and economic analysis of a retrospective cohort.**  
M. Marks\* (London, United Kingdom), D. Fink, S. Collins, G. Pollara, S. Logan
- EV0433** **Evaluating behaviour change in antimicrobial stewardship interventions: a review of UK state-of-the-art conferences**  
T. Rawson\* (London, United Kingdom), A. Tivey, A. Tsao, E. Charani, M. Gilchrist, L. Moore, A. Holmes
- EV0434** **Evaluating the effect of an internet-based e-learning tool for health professional education on clinical vancomycin use**  
S. Bond\* (Wollongong, Australia), S. Crowther, S. Adhikari, A. Chubaty, P. Yu, J. Borchard, C. Boutlis, W. Yeo, S. Miyakis
- EV0435** **Patients tolerate switch from IV to oral antibiotics in acute bacterial skin and skin structure infections (ABSSSI) earlier than European physicians may predict**  
S. Cammarata\* (Lincolnshire, United States), L. Lawrence, M. Quintas, Y. Li

- EV0436**      **Optimization of piperacillin/tazobactam therapy in critically ill patients: a pilot study**  
*E. Shaw\** (Barcelona, Spain), *E. Esteve Pitarch*, *A. Padullés Zamora*, *X. Pérez Fernández*, *V. Gumucio Sanguino*, *J. Sabater Riera*, *R. Rigo*, *F. Tubau*, *E. Leiva Badosa*, *N. Padullés Zamora*, *R. Jodar*, *J. Carratalà*, *S. Cobo*
- EV0437**      **Xylose improves antibiotic activity against *K. pneumoniae* and *A. baumannii* in a murine model of skin infection**  
*N. Villagra\** (Santiago, Chile), *A. Hidalgo*, *P. García*, *G. Mora*
- EV0438**      **Cysteamine has a broad-spectrum antimicrobial utility against a wide variety of emerging pathogens of cystic fibrosis-associated lung disease**  
*D. Smith\** (Aberdeen, United Kingdom), *D. Fraser-Pitt*, *J. Robertson*, *E. Lovie*, *D. Mercer*, *D. O'Neil*
- EV0439**      **Synergistic antimicrobial combinations based on eucalyptol analytical standard against antibiotic-resistant *Staphylococcus epidermidis* strains isolated from wound infections**  
*C. Bianca\** (Bucharest, Romania), *C. Kameron*, *P. Sorina*, *M. Chifiriuc*, *V. Lazar*
- EV0440**      ***In vitro* activity of nemonoxacin against *Streptococcus pneumoniae* and *Haemophilus influenzae***  
*R. Kozlov\** (Smolensk, Russian Federation), *A. Dekhnich*, *M. Sukhorukova*, *M. Edelstein*, *A. Chernavin*, *M. Samsonov*
- EV0441**      **Comparing the cost-effectiveness of linezolid (LZD) to trimethoprim/sulfamethoxazole (TMP-SMX) plus rifampicin (RMP) for the treatment of MRSA infection: a health-care system perspective**  
*S. Harbarth\** (Geneva, Switzerland), *E. Von Dach*, *C. Morel*, *A. Murthy*, *L. Pagani*, *M. Macedo-Vinas*, *F. Olearo*
- EV0442**      **Central nervous system pharmacodynamics of intraventricular doses of vancomycin in neuro-surgical patients with external ventricular drains**  
*A. Farkas\** (Bloomington, United States), *G. McKinley*, *A. Koo*, *P. Villasurda*
- EV0443**      **Development of an on-line application to support a programme aimed to evaluate antimicrobial dosing optimization without therapeutic drug monitoring in critically ill patients in Brazil**  
*A. Farkas\** (Bloomington, United States), *S. Dutra*, *J. Roberts*, *C. Sanches-Giraud*, *G. Daroczi*
- EV0444**      **Impact of the size of the pharmacodynamic-index (PDI) on risk of emergence of bacterial resistance studied in an *in vitro* model of infection**  
*K. Bowker\** (Bristol, United Kingdom), *A. Noel*, *M. Attwood*, *S. Tomaselli*, *A. MacGowan*
- EV0445**      **A new approach to predict anti-staphylococcal effects of antibiotic combinations using an *in vitro* dynamic model**  
*A. Firsov\** (Moscow, Russian Federation), *M. Golikova*, *E. Strukova*, *Y. Portnoy*, *S. Zinner*
- EV0446**      **Daptomycin through serum levels: are they useful in a general hospital?**  
*A. Galar Recalde\** (Madrid, Spain), *M. Valerio Minero*, *X. García-González*, *M. Sanjurjo*, *A. Collazos*, *P. Munoz*, *E. Bouza Santiago*
- EV0447**      **Pharmacokinetic/pharmacodynamic parameters and clinical outcomes in patients treated with extended infusion cefepime or piperacillin/tazobactam with augmented renal clearance and *Pseudomonas aeruginosa* infections using E-test MICs**  
*A. Gerlach\** (Columbus, United States), *E. Wenzler*, *L. Hunt*, *J. Bazan*, *K. Bauer*
- EV0448**      **Target-site specific pharmacokinetic/pharmacodynamic index values predicting linezolid efficacy in interstitial tissue space**  
*I. Minichmayr\** (Berlin, Germany), *S. Wicha*, *C. Kloft*
- EV0449**      **Therapeutic drug monitoring of meropenem and piperacillin-tazobactam among critically ill patients in Singapore**  
*A. Kwa\** (Singapore, Singapore), *N. Chua*, *S. Chua*, *T. Lim*, *L. Loo*, *S. Tan*, *H. Leck*, *D. Hee*, *A. Chua*, *J. Soong*, *J. Ong*, *S. Tang*, *Y. Zhou*, *C. Lim*, *W. Lee*, *L. Lee*, *P. Chlebicki*
- EV0450**      **Pharmacodynamics of fosfomycin against extended spectrum beta lactamase and/or carbapenemase producing Enterobacteriaceae**  
*F. Fransen\** (Nijmegen, Netherlands), *K. Hermans*, *C. Lagarde*, *M. Melchers*, *J. Meletiadis*, *J. Mouton*
- EV0451**      **The antibacterial effect (ABE) of ceftolozane (TOZ)/tazobactam (TAZ) plus amikacin (AMI) against *Pseudomonas aeruginosa* (PA) using simulated human dosing**  
*K. Bowker\** (Bristol, United Kingdom), *A. Noel*, *S. Tomaselli*, *M. Attwood*, *A. MacGowan*

**EV0452** Trough concentrations (TC) monitoring of piperacillin-tazobactam (PIP-TAZO) and meropenem (MEM) in a cohort of pediatric patients  
A. Mesini\* (Genoa, Italy), G. Cangemi, S. Barco, I. Gennai, A. Moscatelli, A. Loy, R. Casciaro, L. Minicucci, M. Faraci, F. Pierri, C. Viscoli, E. Castagnola

**EV0453** Colistin plus azithromycin as an alternative treatment of infections caused by multidrug-resistant *Pseudomonas aeruginosa*  
A. Siverio Parés\* (El Prat de Llobregat-Barcelona, Spain), L. Martín, V. Plasencia, N. Prim, R. Santos, M. Mico, E. Alcoceba, M. Vinas, G. Soria, C. Segura

**EV024** 08:45 – 15:30

***Pseudomonas***

**EV0454** Resistome of SPM-1 producing *Pseudomonas aeruginosa* harbouring ICETn43716061  
R. Galetti\* (Ribeirão Preto, Brazil), L. Neves Andrade, A. Mello Varani, A. Darini

**EV0455** Detection of carbapenem resistance mechanisms in XDR *Pseudomonas aeruginosa* to define the molecular microbiology perspective in clinical practice  
A. De Rosa\* (Rome, Italy), C. Mastroianni, U. Frank, N. Mutters, F. Guenther

**EV0456** Chromosomal blaCTX-M-2 and plasmid co-harboring blaCTX-M-2 and blaGES in *Pseudomonas aeruginosa* isolates from cerebrospinal fluid  
A. Ballaben\* (Ribeirão Preto, Brazil), R. Galetti, L. Neves Andrade, D. Garcia, A. Darini

**EV0457** MBL-producing *Pseudomonas aeruginosa* in Poland, 2005–2015: global and local clones  
M. Gniadkowski\* (Warsaw, Poland), P. Urbanowicz, R. Izdebski, A. Baraniak, D. Zabicka, K. Bojarska, E. Literacka, M. Herda, W. Hryniewicz

**EV0458** *Pseudomonas aeruginosa* as intestinal colonizer in healthy humans: prevalence, antimicrobial susceptibility and genetic lineages  
C. Seral\* (Zaragoza, Spain), A. Bellès Bellès, Y. Saenz, J. Bueno Sancho, B. Rojo-Bezares, J. Arribas Garcia, L. Muñoz Muñoz, F. Castillo

**EV0459** Molecular characterization of MBL-producing *Pseudomonas aeruginosa* isolates in Czech hospitals  
C. Papagiannitsis\* (Plzen, Czech Republic), K. Chudejova, M. Medvecký, A. Skalova, V. Rotova, V. Jakubu, H. Zemlickova, J. Hrabak

**EV0460** Phenotypic and genetic characterization of successive *Pseudomonas aeruginosa* isolates obtained from the same cystic fibrosis patient  
Y. Saenz\* (Logroño, Spain), C. Lozano, J. Azcona-Gutierrez, F. Van Bambeke

**EV0461** Role of *Pseudomonas putida* in carbapenem resistance  
E. Pauquet\* (Bordeaux, France), V. Dubois, O. Peuchant, C. Andre, C. Quentin

**EV0462** Occurrence, clonal relationship and antimicrobial resistance characterization in *Pseudomonas spp.* isolates from vegetables  
L. Ruiz-Roldán\* (Logroño, Spain), B. Rojo-Bezares, C. Casado, C. Torres, Y. Saenz

**EV0463** Whole-genome sequence analysis of class 3 integron containing metallo-beta-lactamase in *Pseudomonas fulva*  
M. Yamamoto\* (Kyoto, Japan), Y. Matsumura, S. Nakano, M. Nagao, M. Tanaka, S. Ichiyama

**EV0464** Complete nucleotide sequence of an IncP-2 blaVIM-2-harboring megaplasmid from *Pseudomonas aeruginosa*  
J. Tomaz Santos Botelho\* (Porto, Portugal), F. Grosso, A. Mabrouk, L. Peixe

**EV0465** Characterization of biochemical properties and genetic environment of chromosomal encoded OXA-50c (Pox-B) in *Pseudomonas aeruginosa* (PSA) isolate showing an unusual phenotype  
A. Streling\* (São Paulo, Brazil), R. Cayô da Silva, M. Marcondes, A. Matos, C. Silva Nodari, L. Gonzaga de Paula Almeida, A. R. de Vasconcelos, V. Marcelo Bueno Brandao Oliveira, A. Gales

**EV0466** Imipenem-relebactam, ceftolozane-tazobactam and ceftazidime-avibactam against carbapenem-resistant *Pseudomonas aeruginosa*: surveying clinical isolates for molecular markers that correlate with minimum inhibitory concentrations  
C. Clancy\* (Pittsburgh, United States), M. Nguyen, B. Hao, S. Cheng, R. Shields, G. Haidar

**EV0467** Use of whole-genome sequencing for national public health surveillance of high-priority multidrug-resistant pathogens: European survey of capacity and practice in 2016  
J. Revez\* (Stockholm, Sweden), B. Albiger, K. Leitmeyer, M. Struelens, N. ECDC National Microbiology Focal Points and Experts

**EV0468** Characterization of *Neisseria gonorrhoea* isolates using a core-genome MLST scheme  
P. Higgins\* (Cologne, Germany), J. Ertel, M. Fabri, H. Seifert

- EV0469** Avibactam (AVI) is a substrate for Mex-AB-OprM in *Pseudomonas aeruginosa*  
F. Van Bambeke\* (Brussels, Belgium), H. Chalhoub, P. Tulkens
- EV0470** MBL activity, blaVIM carriage, meropenem efflux, and oprD mutations in carbapenem-resistant *Pseudomonas aeruginosa* in Moscow, Russia  
Y. Bocharova\* (Moscow, Russian Federation), A. Lazareva, T. Savinova, I. Chebotar, N. Mayanskiy
- EV0471** Real-time antibiotic surveillance on antibiotic susceptibility of phenotypes in Marseille Hospital, France, from 2014 to 2016  
S. Le Page\* (Marseille, France), G. Dubourg, D. Oumou, H. Chaudet, D. Raoult, J. Rolain
- EV0472** Nationwide multicentre survey on multidrug-resistant *Pseudomonas aeruginosa* isolates in Belgian hospitals in 2015 and in 2016  
Y. Glupczynski\* (Yvoir, Belgium), C. Berhin, A. Deplano, C. Bauraing, T. Huang, B. Jans, S. Roisin, O. Denis, P. Bogaerts
- EV0473** Characterization of *Pseudomonas putida* group isolates recovered from screening cultures  
S. Peter\* (Tübingen, Germany), L. Schuele, P. Oberhettinger, A. Dinkelacker, W. Vogel, D. Dörfel, D. Bezdán, S. Ossowski, M. Marschal, J. Liese, M. Willmann
- EV0474** First identification of 16S rRNA methyltransferases in *Pseudomonas aeruginosa* in the UK  
E. Taylor\* (London, United Kingdom), K. Hopkins, S. Sriskandan, N. Woodford
- EV0475** Epidemiological analysis of invasive *Haemophilus influenzae* clinical isolates obtained from Portugal, Spain and the Netherlands  
A. González Díaz\* (Barcelona, Spain), E. Raeven, A. Van der Ende, J. Linares, J. Marimon, P. Bajan-ca-Lavado, J. Langereis, C. Ardanuy Tisaire, S. Marti
- EV0476** Multicentre evaluation of MicroScan Dried MICroFAST MIC panels for testing contemporary isolates of *Haemophilus* spp. with azithromycin and minocycline  
C. Hasteley\* (West Sacramento, United States), P. Schreckenberger, S. Desjarlais, R. Humphries, J. Hindler, M. Traczewski, D. Beasley, D. Carpenter
- EV0477** Related New Delhi metallo-beta-lactamase-producing Enterobacteriaceae isolated from recreational water, sewage and clinical specimens  
B. Mahon\* (Galway, Ireland), C. Brehony, E. McGrath, J. Killeen, M. Cormican, P. Hickey, S. Keane, B. Hanahoe, A. Dolan, D. Morris

- EV025** 08:45 – 15:30  
Resistance mechanisms
- EV0478** Investigating colonization of the intestinal microbiota with carbapenemase-producing Enterobacteriaceae using a clinically reflective *in vitro* gut model  
C. Chilton\* (Leeds, United Kingdom), C. Rooney, E. Clark, K. Davies, A. Walker, M. Wilcox
- EV0479** IncX4 plasmid carrying the new mcr-3 gene variant in a CTX-M-8-producing *Escherichia coli* isolate recovered from swine  
V. Manageiro\* (Lisbon, Portugal), L. Clemente, T. Albuquerque, A. Amaro, C. Silva, L. Vieira, E. Ferreira, M. Caniça
- EV0480** Colorimetric tests for the detection of carbapenemases in Gram-negative bacilli: which test to choose?  
S. Nys\* (Hasselt, Belgium), R. Cartuyvels, K. Magerman, M. Raymaekers, L. Waumans
- EV0481** Plasmid-mediated changing of antibiotic susceptibility for pairs of bacterial strains isolated from patients with cystic fibrosis in different periods of time  
T. Pripitnevich\* (Moscow, Russian Federation), A. Gordeev, M. Chernukha, I. Balashov, L. Avetisyan, M. Kirillov, E. Siyanova, I. Shaginyan, L. Lyubasovskaya, J. Rodchenko, D. Trofimov, G. Sukhikh
- EV0481A** Comparative genomic analysis of emerging extensively drug-resistant *Acinetobacter baumannii* strains in South Korea  
L. Sang-Yeop\* (Daejeon, South Korea), S. Yun, C. Choi, E. Park, H. Lee, S. Jun, G. Kim, S. Kim

- EV026** 08:45 – 15:30  
Resistance surveillance & epidemiology: Gram-negatives
- EV0482** Carbapenem-resistant Enterobacteriaceae isolated from bile in patients with biliary obstruction: epidemiology and outcome  
H. Lee\* (Busan, South Korea), D. Jung, H. Lee, M. Noh, D. Kim
- EV0483** Rapid outbreak detection of multidrug-resistant organisms using resistance gene profiles  
W. Chang\* (Gaithersburg, United States), J. Quan, A. Saeed, V. Sapiro, G. Walker
- EV0484** Serotype distribution and antimicrobial resistance of *Salmonella enterica* strains isolated from diarrhoeal paediatric patients  
S. Maraki\* (Heraklion, Greece), V. Mavromanolaki, G. Minadakis, A. Christidou



- EV0485** Investigation of oxacillinase genes in imipenem and meropenem-resistant *Acinetobacter baumannii* isolates  
D. Ocal\* (Ankara, Turkey), Y. Afsar, M. Bulut, H. Saltas, G. Bahar Erdem
- EV0486** Draft plasmid sequence of an XDR *Acinetobacter baumannii* strain reveals linked dissemination of carbapenem resistance and virulence genes  
S. Petrut\* (Bucharest, Romania), I. Czobor, I. Gheorghe, A. Ratiu, I. Avram, Z. Zhiyong, C. Violeta Corina, M. Chifiriuc, A. Ecovoiu
- EV0487** Intestinal colonization with multi-resistant Gram-negative bacteria is a predictor of bloodstream infection (BSI) in neutropenic patients with acute leukaemia  
V. Okhmat\* (Moscow, Russian Federation), G. Klyasova, A. Korobova, A. Fedorova (Mironova), E. Parovichnikova, V. Troitskaya, E. Gribanova
- EV0489** Molecular characterization of clinical *Stenotrophomonas maltophilia* isolates from a tertiary care hospital in Kayseri, Turkey  
H. Kilic\* (Kayseri, Turkey), Ö. Parkan, A. Gundogdu, E. Alp Mese, D. Timur, Ö. Ünal, R. Durmaz
- EV0490** Gram-negative (GN) opportunistic micro-organisms colonizing the skin and gut of neonates and breast milk of their mothers  
H. Soeorg\* (Tartu, Estonia), Ü. Parm, J. Stsepetova, T. Metsvaht, I. Lutsar
- EV0491** The intestinal microbiome as a source of antimicrobial resistance (AMR) among Syrian refugees in the southern part of Limburg, Netherlands  
C. von Wintersdorff\* (Maastricht, Netherlands), A. Aseeri, P. Wolffs, M. Altabban, C. Den Heijer, P. Savelkoul, C. Hoebe, J. Penders
- EV0492** Synergistic activity of *N*-acetylcysteine in combination with colistin against *Stenotrophomonas maltophilia*  
L. Pallechi\* (Siena, Italy), G. Landini, T. Di Maggio, S. Sottotetti, L. Cariani, F. Blasi, F. Sergio, G. Rossolini
- EV0493** Detection of expressed antibiotic resistance factors in infectious bacteria: proteotyping, an LC-MS/MS-based proteogenomic approach  
F. Salvà Serra\* (Gothenburg, Sweden), R. Karlsson, H. Engström Jakobsson, S. Yazdan, L. Gonzales Siles, F. Boulund, A. Busquets, A. Johnning, A. Karlsson, D. Jaén Luchoro, F. Aliaga Lozano, M. Gomila, A. Bennasar Figueras, N. Karami, E. Kristiansson, E. Moore
- EV0495** Dynamics of susceptibility to antimicrobials of *Helicobacter pylori* isolates in Smolensk, Russia: 2009–2010 vs. 2015–2016  
R. Kozlov\* (Smolensk, Russian Federation), N. Dekhnich, N. Ivanchik, A. Alimov
- EV0496** Prevalence of clarithromycin-resistant *Helicobacter pylori* strains in gastric mucosa-associated lymphoid tissue lymphoma patients  
C. Bilgiler\* (Vienna, Austria), I. Simonitsch-Klupp, B. Kiesewetter, M. Raderer, W. Dolak, A. Makristathis, C. Steininger
- EV0497** Antimicrobial susceptibility of Enterobacteriaceae causing intra-abdominal infections (IAI) in adult and pediatric patients in France, Germany, Italy, and Spain: results from the TEST programme 2012–2016  
M. Hackel\* (Schaumburg, United States), D. Hoban, M. Renteria, D. Sahm, B. Johnson, H. Leister-Tebbe
- EV0498** Antimicrobial resistance mechanisms of *Stenotrophomonas maltophilia* causing nosocomial infections in Mexico  
E. Garza Gonzalez\* (Monterrey, Mexico), S. Herrera-Heredia, C. Pezina-Cantu, L. Palau-Davila, A. Camacho-Ortiz, L. Villarreal-Treviño, H. Maldonado-Garza, S. Flores-Treviño
- EV0499** Multidrug-resistant Enterobacteriaceae are more prevalent among diabetic patients than non-diabetics in Kuwait  
A. Dashti\* (Kuwait, Kuwait), Z. Dashti, L. Vali
- EV0500** Temocillin: an alternative to carbapenems for multidrug-resistant Enterobacteriaceae?  
H. Pailhoriès\* (Angers, France), V. Cassisa, A. Lemire, M. Eveillard, M. Kempf, J. Saint-Felix, C. Lemarié
- EV0501** Possibility of aminoglycosides as a therapeutic agent for eradication of *Helicobacter pylori*  
S. Park\* (Seoul, South Korea), Y. Song, L. Kyoung Hwa, J. Da Hyun, S. Jeong, K. Jie Hyun
- EV0502** Secondary antibiotic resistance and prevalence of *Helicobacter pylori* cag PAI genotypes in patients from Croatia  
D. Varda-Brkic\* (Zagreb, Croatia), A. Presecki-Stanko, L. Zele-Starcevic, V. Tripkovic, I. Mareković, H. Car, B. Bedenic
- EV0503** Empirical therapy for suspected multidrug resistant Gram-negative bacteraemia in Brazilian neutropenic patients should include three antimicrobials  
P. Cappellano\* (São Paulo, Brazil), J. de Sa, M. de Freitas Dalben, B. Grassi de Miranda, I. Boszczowski, M. Grandra de Souza Dias, J. Mello-Sampaio

**EV0504** Occurrence of hypervirulent K2 serotype *Klebsiella pneumoniae* ST2398, clonal complex 66, in the context of an invasive liver abscess syndrome  
A. Mischnik\* (Freiburg, Germany), C. Pichler, M. Büchsel, M. Vavra, W. Kern, R. Thimme, J. Rossen

**EV0505** Antibiotic resistance and the risk of recurrent bacteraemia  
S. Woudt\* (Bilthoven, Netherlands), S. de Greeff, A. Vlek, M. Bonten

**EV0507** Phenotypic and genotypic typing of *Burkholderia cepacia* complex isolated from non-cystic fibrosis patients in two governmental secondary hospitals in Kuwait  
A. Dashti\* (Kuwait, Kuwait), D. Al-Kayyali, K. Al Obaid, F. Alfaiakawy, L. Vali

**EV0508** *In vitro* activity of tigecycline and comparators against cephalosporin-resistant isolates of *Escherichia coli* and *Klebsiella pneumoniae* from Europe: TEST 2014–2016  
D. Sahm\* (Schaumburg, United States), D. Hoban, M. Renteria, B. Johnson, H. Leister-Tebbe

**EV0509** Trends in molecular characterization of beta-lactam-resistant pathogens isolated from urinary tract and intra-abdominal infections in Lebanon and Jordan: a 5-year evaluation of SMART data 2011–2015  
A. Hajj\* (Beirut, Lebanon), W. Hayajneh, A. Adaime, T. Itani, N. Hakime, M. Mallah Hamdan, R. Alsamarneh, A. Abdallah, R. Badal, D. Karam Sarkis

**EV0511** Antimicrobial susceptibility testing of *Neisseria gonorrhoeae* in the health area of the Hospital La Fe (Valencia, Spain)  
I. Gómez-Alfaro\* (Valencia, Spain), M. Castano Aroca, B. Acosta, J. Sahuquillo-Arce, R. Chouman Arcas, J. López-Hontangas

**EV0512** Temporal evolution of resistance rates among clinical isolates of *Neisseria gonorrhoeae* from São Paulo, Brazil  
R. Affini\* (São Paulo, Brazil), R. José Carvalho da Silva, D. Cassu-Corsi, C. Silva Nodari, R. Alessandra Lima Bocalon, R. Cayô da Silva, A. Doi, A. Gales, A. Pignatari

**EV0513** Susceptibility among pathogens isolated from complicated skin and skin-structure infections in Europe; TEST programme 2014–2016  
D. Sahm\* (Schaumburg, United States), D. Hoban, M. Renteria, B. Johnson, H. Leister-Tebbe

**EV0514** Polymyxin B MIC distributions in a large collection of Enterobacteriaceae, *Pseudomonas aeruginosa* and *Acinetobacter* strains  
J. Mello-Sampaio\* (São Paulo, Brazil), S. Sampaio, C. Lázari

**EV027** 08:45 – 15:30

**Severe sepsis, bacteraemia & endocarditis**

**EV0515** Bacteraemia in the emergency departments (ED): audit of antibiotic therapy and reassessment  
C. Aillet\* (Nice, France), I. Berkaoui, P. Etienne, D. Jammes, A. Fribourg, O. Pellat, S. Leotard, D. Lameche, D. Néri, P. Roger

**EV0516** Improving timing of blood cultures collection in an emergency room department: a model of microbiological stewardship programme  
M. Corbella\* (Pavia, Italy), B. Mariani, L. Sacco, P. Cambieri, P. Marone, I. Martino, M. Bressan, A. Muzzi, C.arena, C. Tinelli, E. Seminari

**EV0517** Validation of a clinical decision tree to predict whether a bacteraemic patient is infected with a beta-lactamase-producing organism  
A. Sousa\* (Vigo, Spain), M. Perez, M. Suárez, B. Vilas, A. Soto, F. Vasallo, M. Álvarez Fernández, A. Nodar, M. Crespo

**EV0518** Caesarean sections as a potential risk factor for development of neonatal sepsis  
K. Thomson\* (Cardiff, United Kingdom), R. Milton, M. Carvalho, K. Iregbu, F. Modibbo, R. Zahra, T. Walsh

**EV028** 08:45 – 15:30

**Surveillance – global**

**EV0519** Trends in emergence of nosocomial pathogens and development of antimicrobial resistance during the years 2007–2015  
J. Koren\* (Bratislava, Slovakia), A. Vaculíková, L. Slobodnikova, M. Zaborska, M. Blažeková, J. Havelová, A. Liptáková

**EV0520** Cluster of shigellosis among refugee children: data from a large tertiary paediatric hospital, Athens, Greece  
V. Pitiriga\* (Athens, Greece), D. Hatzaki, M. Matsas, A. Psina, C. Goumenopoulos, G. Paradeisis, E. Lebessi, I. Paraskakis

**EV0521** Antimicrobial susceptibility testing of *Yersinia enterocolitica* and *Yersinia pseudotuberculosis*  
J. Verhaegen\* (Leuven, Belgium), S. Blomme, E. Andre, M. Delmée

- EV0522** Comparison of susceptibility patterns among Enterobacteriaceae from European and North American ICU and non-ICU wards: TEST 2014–2016  
*B. Johnson\** [Schaumburg, United States], *M. Renteria, D. Hoban, D. Sahm, H. Leister-Tebbe*
- EV0524** Antibiotic resistance rates in severe sepsis in western Sweden  
*S. Nilsson\** [Gothenburg, Sweden], *L. Ljungström, G. Jacobsson*
- EV0525** Clinical and microbiological characteristics of typhoid fever in northern Taiwan, 2001–2014  
*S. Chien\** [Taoyuan, Taiwan], *T. Iap, S. Hsieh, C. Chen*
- EV0526** Risk factors for multidrug-resistant Gram-negatives in the first episode of intensive care unit infection  
*E. Alp Mese\** [Kayseri, Turkey], *A. Ulukilic, F. Cevahir*
- EV0527** Resistance phenotypes and susceptibility of contemporary *Serratia* isolates in a university hospital in Crete, Greece  
*S. Maraki\** [Heraklion, Greece], *G. Samonis, K. Vardakas, P. Stamouli, V. Mavromanolaki, D. Kofteridis, M. Falagas*
- EV0528** Tigecycline antimicrobial activity tested against clinical bacteria from European medical centres: results from the SENTRY antimicrobial surveillance programme (2013–2015)  
*H. Sader\** [North Liberty, United States], *L. Duncan, M. Castanheira, R. Mendes, R. Flamm*
- EV0529** Prevalence of macrolide resistance in *Mycoplasma genitalium* in two Swedish counties – should routine susceptibility testing be considered?  
*C. Bojesson\** [Karlskrona, Sweden], *M. Bergdahl, J. Jensen, O. Ekelund*
- EV0530** Antimicrobial resistance, gut microbiota and prostate cancer – a multi-IMPROD sub-study  
*A. Rintala\** [Turku, Finland], *M. Gunell, H. Kallio, E. Munukka, J. Knaapila, T. Lamminen, E. Eerola, P. Huovinen, P. Boström, A. Hakanen*
- EV0531** Epidemiology and antimicrobial susceptibility trends of Gram-negative aerobic bacteria causing intra-abdominal infections in Latin America between 2006–2015  
*E. Beirao\** [São Paulo, Brazil], *M. Elmor, F. Rossi, J. Furtado, M. Martinho, A. Pires, F. Serra, R. Muniz Junior*
- EV0532** Frequency of healthcare-associated infections caused by multidrug-resistant organisms (MDRO) in a German tertiary care hospital and influence of an antibiotic stewardship programme on MIC distribution  
*C. Brandt\** [Jena, Germany], *S. Hagel, S. Neubauer, O. Makarewicz, M. Pletz*
- EV0533** Antimicrobial resistance in migrants to Europe  
*L. Nellums\** [London, United Kingdom], *S. Hargreaves, H. Thompson, J. Friedland*
- EV0534** *In vitro* susceptibility and mechanisms of resistance in contemporary *Citrobacter* isolates in a university hospital in Crete, Greece  
*S. Maraki\** [Heraklion, Greece], *K. Vardakas, V. Mavromanolaki, M. Kyriakidou, G. Spais, D. Kofteridis, G. Samonis, M. Falagas*
- EV0535** Nasal and digestive colonization by multidrug-resistant bacteria in neonates in a neonatal care unit in an Algerian hospital  
*K. Allouche\** [Algiers, Algeria], *H. Ziane, H. Arfi, S. Bahot, A. Bekti, D. Fazia, S. Gourari, D. Lebane, T. Mohamed*
- EV0536** Comparison of the therapeutic efficacy of fluoroquinolone and non-fluoroquinolone therapy in patients with *Elizabethkingia meningoseptica* bacteraemia  
*Y. Huang\** [Taipei, Taiwan], *Y. Lin*
- EV0537** Characterization and profiling of multidrug-resistant (MDR) Enterobacteriaceae from Europe 2013–2016 (TEST Program)  
*B. Johnson\** [Schaumburg, United States], *D. Hoban, D. Sahm, M. Renteria, H. Leister-Tebbe*
- EV0538** Antibiotic consumption and resistance patterns of major Gram-negative bacteria in The Teaching Hospital of Infectious Diseases from Cluj Napoca  
*A. Slavcovici\** [Cluj-Napoca, Romania], *I. Pralea, A. Radulescu, M. Flonta, M. Mihutiu, M. Muntean*
- EV0539** Epidemiology and antibiotic resistance patterns dynamics of bacterial isolates from bacteraemia in patients with haematological malignancies  
*E. Hodille\** [Lyon, France], *O. Borrel, A. Faudel, I. Fredenucci, M. Perouse-de-Montclos, J. Rasigade, S. Ducastelle-Lepretre, L. Lebras, C. Lejeune, M. Michallet, G. Salles, G. Lina, F. Ader, O. Dumitrescu*
- EV0540** Predictors of multidrug-resistant aetiology in patients with blood cultures for Gram-negative bacilli: a prospective national study  
*M. Falcone\** [Rome, Italy], *F. Dentali, G. Tiseo, M. La Regina, E. Foglia, M. Gambacorta, E. Garagiola, G. Bonardi, P. Clerici, M. Venditti, E. Concia, F. Colombo, M. Campanini, A. Mazzone*

- EV0541** **GRAND-ABC: the burden of infections caused by antibiotic-resistant Gram-negative bacteria in the Netherlands**  
J. Deelen\* (Amsterdam, Netherlands), W. Rottier, H. Ammerlaan, M. Bonten
- EV0542** **Epidemiology and resistance patterns of Gram-negative bacilli in ICU and non-ICU wards in five global regions, SMART 2015**  
S. Lob\* (Schaumburg, United States), K. Young, M. Motyl, S. Hawser, I. Morrissey, S. Magnet, D. Sahm
- EV0543** **Musicare: an Italian multi-society project to control antimicrobial resistance**  
A. Pan\* (Cremona, Italy), C. Pasquarella, A. Patroni, S. Brusaferro, E. Carretto, M. Moro, M. Meledandri, G. Privitera, D. Di Benedetto, G. Ippolito, P. Viale, G. Rossolini, A. Battisti, R. Metastasio, S. Bargellesi, G. Checchia, N. Brianese, A. Rossi, A. Agodi, A. Goglio
- EV0544** **Estimating the current number of third-generation cephalosporin-resistant and carbapenem-resistant *E. coli* and *K. pneumoniae* infections worldwide**  
E. Temkin\* (Tel Aviv, Israel), N. Fallach, Y. Almagor, I. Tenenboim, J. Witt, Y. Carmeli
- EV0545** ***In vitro* susceptibility of multi-drug resistant (MDR) *Escherichia coli* (EC) and *Klebsiella pneumoniae* (KPN) from Eastern and Western Europe during 2014–2016 surveillance years (TEST program)**  
D. Sahm\* (Schaumburg, United States), D. Hoban, M. Renteria, B. Johnson, H. Leister-Tebbe
- EV0546** **Results from the 2016 antimicrobial susceptibility testing, external quality assessment (EQA) exercise organized for EARS-Net participants**  
S. Seaton\* (London, United Kingdom), E. Fagan, M. Sahni, A. Thomas, P. Shah, M. Mutso, S. Rughooputh
- EV0547** **Surveillance of emerging extensively drug-resistant bacteria (eXDR) cases in a French university hospital, 2012 to 2016**  
E. Munier-Marion\* (Lyon, France), O. Dauwalder, P. Girardo, A. Ranc, F. Vandenesch, P. Vanhems, T. Bénet
- EV0548** **Snapshot of intestinal carriage of resistant Enterobacteriaceae and non-fermenters in patients from a university hospital in Tirana, Albania**  
S. Tafaj\* (Tirana, Albania), J. Ahman, T. Kostyaney, D. Bardhi, P. Kapisyzi, H. Goossens, E. Matuschek
- EV0549** **Antimicrobial resistance of 1778 Gram-negative strains isolated from blood cultures in haematological patients: results of prospective multicentre study in Russia 2003–2015**  
G. Klyasova\* (Moscow, Russian Federation), S. Khrulnova, A. Fedorova (Mironova), A. Korobova, M. Maschan, A. Vetokhina, T. Pospelova, I. Molchanova, S. Shushurina, O. Khoreva, N. Zvesdkina, O. Kutsevalova
- EV0550** **High levels of AMR Enterobacteriaceae in the environment of maternity and neonatal units in low middle income countries**  
E. Portal\* (Cardiff, United Kingdom), K. Sands, A. Sanches Mexia Ferreira, K. Iregbu, Z. Modibbo, R. Zahra, H. Shirazi, S. Saha, S. Mehtar, G. Chan, D. Bekele, J. Mazarati, A. Rucogoza, R. Milton, M. Carvalho, T. Walsh
- EV0551** **Species/serotype distribution and antibiotic susceptibility of *Salmonella* and *Campylobacter* sp. isolated from human disease: results of a 1-year observational, microbiological study from Hungary**  
B. Szabo\* (Budapest, Hungary), K. Lenart, B. Kadar, R. Nikolova, G. Prinz, J. Szlavik
- EV0552** **Acquisition of multidrug-resistant bacteria (MRB) by new-borns hospitalized in a Moroccan neonatal unit: prevalence, risk factors and molecular epidemiology**  
B. Arhoune\* (Fez, Morocco), B. Oumokhtar, F. Hmami, S. El Fakir, M. Timinouni, A. Bouharrou, F. Chami
- EV0553** **Molecular characterization of fluoroquinolone resistance in *Moraxella catarrhalis* isolates from chronic obstructive pulmonary disease patients**  
S. Marti\* (Barcelona, Spain), D. Vázquez, L. de la Vega, D. Huertas, F. Tubau, J. Linares, S. Santos, C. Ardanuy Tisaire
- EV0554** **MicrobeNet: connecting CDC and the clinical laboratory**  
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*K. Vihta\** (Oxford, United Kingdom), *N. Stoesser,*  
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*The forum for innovative research in virology*

# Intervirology

**Editor-in-Chief**  
**J.-C. Manuguerra,**  
Institut Pasteur, Paris



The Editors of *Intervirology* invite the submission of manuscripts on a wide range of topics in fundamental and medical virology. The journal's scope encompasses work on the molecular biology of human and animal viruses, including genome organization and regulation, and the structure and function of viral proteins. The pathogenesis, immunology, diagnosis, epidemiology, prophylaxis and therapy of viral diseases are also considered. The journal regularly publishes thematic issues often including timely review articles and field research reports on controversial topics. It aims to be easily accessible to both specialists in the field and to those who want to keep track of the latest developments outside their own area of interest.

#### Intervirology

Founded: 1973  
Category: Clinical Research  
Field of Interest: Infectious Diseases

Listed in bibliographic services, including:  
*PubMed/MEDLINE, Web of Science,*  
*Google Scholar, Scopus, Embase*

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More information at [www.karger.com/int](http://www.karger.com/int)

K177247

# Instructions for Speakers and Authors

## Audiovisual Equipment / Speaker Ready Room

A Speaker Ready Room will be available every day throughout the congress for invited speakers and oral presenters near Hall A.

Please come to the Speaker Ready Room at least 3 hours before the start of your session. We will help you upload your presentation and you can check if everything is ok.

## ePoster Mini-Oral Session

In addition to the ePoster Viewing, selected ePosters have been scheduled for presentation in sessions which will take place as follows:

| Date          | Presentation time | Session                                                                           | Arena |
|---------------|-------------------|-----------------------------------------------------------------------------------|-------|
| Sat, 22 April | 15:30 – 16:30     | eP029 Infections in transplant patients                                           | 1     |
|               |                   | eP030 Deciphering the secrets of Acinetobacter                                    | 2     |
|               |                   | eP031 Epidemiology and new treatment options for skin and soft-tissue infections  | 3     |
|               |                   | eP032 <i>Clostridium difficile</i> : guts and glory                               | 4     |
|               |                   | eP033 Vaccines work – benefits and concerns                                       | 5     |
|               |                   | eP034 Molecular typing                                                            | 6     |
| Sun, 23 April | 12:30 – 13:30     | eP068 Host responses to viral infections                                          | 1     |
|               |                   | eP069 Tissue penetration and optimized dosing in special patient populations      | 2     |
|               |                   | eP070 Intestinal dysbiosis – from pathogens to treatment options                  | 3     |
|               |                   | eP071 Staphylococcal virulence                                                    | 4     |
|               |                   | eP072 Improved carbapenemase detection                                            | 5     |
|               |                   | eP072A Late-breaker: what else is being discussed out there?                      | 6     |
|               | 13:30 – 14:30     | eP073 How long will HBV and other viral vaccine-induced protection last?          | 1     |
|               |                   | eP074 Novel data on mould infections                                              | 2     |
|               |                   | eP075 New antibiotics – new approaches                                            | 3     |
|               |                   | eP076 Surveillance of HAI and AMR                                                 | 4     |
|               |                   | eP077 Tuberculosis: from bench to population to bedside                           | 5     |
|               |                   | eP078 Gram-negative bacteraemia: risk factors, prophylaxis and treatment          | 6     |
|               | 12:30 – 13:30     | eP126 Colonization and infection with MDR Gram-negatives                          | 1     |
|               |                   | eP127 Update on CNS infections                                                    | 2     |
|               |                   | eP128 PK/PD in antifungal treatment                                               | 3     |
|               |                   | eP129 Viral molecular epidemiology: from mass gatherings to body compartments     | 4     |
|               |                   | eP130 Lab automation – delivering for the future                                  | 5     |
|               |                   | eP131 Mycobacterial diagnostics revisited                                         | 6     |
| Mon, 24 April | 13:30 – 14:30     | eP132 OMIC studies in disease pathogenesis                                        | 1     |
|               |                   | eP133 Laboratory detection of multidrug-resistant organisms                       | 2     |
|               |                   | eP134 International health and parasitic diseases                                 | 3     |
|               |                   | eP135 Antibiotic stewardship interventions                                        | 4     |
|               |                   | eP136 <i>Candida</i> infections: from changing epidemiology to changing treatment | 5     |
|               |                   | eP137 Intra-abdominal infections                                                  | 6     |
| Tue, 25 April | 12:30 – 13:30     | eP187 Immunization of special risk groups                                         | 1     |
|               |                   | eP188 Update on colistin resistance – from lab to hospital                        | 2     |
|               |                   | eP189 Preventing healthcare-associated infections                                 | 3     |
|               |                   | eP190 Direct detection methods                                                    | 4     |
|               |                   | eP191 Recent advances in PK/PD: efficacy and toxicity                             | 5     |
|               |                   | eP192 Urinary tract infections: current issues                                    | 6     |

Electronic versions of posters, submitted by the presenter for publication can be viewed on ECCMID live ([www.eccmidlive.org](http://www.eccmidlive.org)) and in the ESCMID eLibrary ([www.escmid.org/eLibrary](http://www.escmid.org/eLibrary)).



### Paper Poster Sessions

Posters will be displayed for one day only. The presence of the authors during the given presentation is mandatory. The times set for poster mounting and removal must be considered. All posters left hanging beyond the given removal times will be disposed of.

**Presenters are requested to stand next to their posters during the presentation time allocated to them in the acceptance email.**

| Date of poster session | Session | Poster mounting time | Presentation time | Poster removal time | Posters to be presented |
|------------------------|---------|----------------------|-------------------|---------------------|-------------------------|
| Sat, 22 April          | I       | 12:00 – 13:30        | 15:30 – 16:30     | 17:00 – 18:00       | P0151 – P0204           |
| Sun, 23 April          | II      | 08:00 – 09:00        | 12:30 – 13:30     | 17:00 – 18:15       | P0339 – P0381           |
|                        | III     | 08:00 – 09:00        | 13:30 – 14:30     | 17:00 – 18:15       | P0382 – P0432           |
| Mon, 24 April          | IV      | 08:00 – 09:00        | 12:30 – 13:30     | 17:00 – 18:15       | P0607 – P0659           |
|                        | V       | 08:00 – 09:00        | 13:30 – 14:30     | 17:00 – 18:15       | P0660 – P0713           |
| Tue, 25 April          | VI      | 08:00 – 09:00        | 12:30 – 13:30     | 15:00 – 16:00       | P0909 – P0960           |

Electronic versions of posters, submitted by the presenter for publication can be viewed on ECCMID live ([www.eccmidlive.org](http://www.eccmidlive.org)) and in the ESCMID eLibrary ([www.escmid.org/eLibrary](http://www.escmid.org/eLibrary)).

### ePoster Viewing

ePosters have been divided thematically and will be displayed on all 4 congress days on 56 ePoster stations, as well as on the congress app and mobile website. The ePoster format will give participants the possibility to interact with presenters and send the ePoster by email.

# Congress Information

## Opening Ceremony and Networking Reception

The traditional **Opening Ceremony** will be held on Saturday, 22 April, at 19:00 in Hall A at the Messe Wien.

All participants – delegates, exhibitors, representatives – are invited to attend. Participation is included in the registration. You need to wear your badge for the opening ceremony and the reception.

### Opening programme:

- 19:00 Opening by our evening's master of ceremonies  
**Michael Jackson** (the other Michael Jackson)
- 19:05 Welcome by the ESCMID President **Mario Poljak**
- 19:15 Performance by **K&K-STRINGS**
- 19:30 Welcome by ECCMID Programme Director **Winfried V. Kern**
- 19:45 Performance by **K&K-STRINGS**
- 20:00 **Networking Reception**

### K&K-STRINGS

K&K-STRINGS is a Vienna-based string quartet, which was formed in 1990 by four young graduates of classical music studies who shared an interest in more creative and entertaining crossover performances.

Over the years, they developed a unique style combining classical music and innovative comedy, which has brought them worldwide fame. They use classical instruments: two violins, a viola and a violoncello, but their use of their string instruments is often less orthodox. The quartet performs well-known compositions – from the “Zauberflöte” to Falco’s “Rock Me Amadeus” – putting them into a new context. The musicians have performed in more than 25 countries on all five continents.



# Join us at the Affiliated Societies Corner next to the ESCMID World!

Representatives from ESCMID-affiliated societies will be  
present at the following times for discussions:

|          |                              |
|----------|------------------------------|
| Saturday | 22 April 2017, 15:30 – 16:30 |
| Sunday   | 23 April 2017, 12:30 – 14:30 |
| Monday   | 24 April 2017, 12:30 – 14:30 |
| Tuesday  | 25 April 2017, 12:30 – 13:30 |

# Visit us

## at the ESCMID World!

We are welcoming you also  
during the Networking Evening!



# ESCMID

MANAGING INFECTIONS  
PROMOTING SCIENCE



# General Information (in alphabetical order)

## Affiliated Societies Corner (ASC)

The ASC is located next to the ESCMID World. ESCMID affiliated societies are active in various specialties and are based all over the world. Representatives from the societies will be present at their stands at the following times for discussions:

Saturday, 22 April 2017 15:30–16:30  
Sunday, 23 April 2017 12:30–14:30  
Monday, 24 April 2017 12:30–14:30  
Tuesday, 25 April 2017 12:30–13:30

In addition to the paper posters, eposter versions will be available on terminals located in the same area as well as on the mobile website of the congress and the eLibrary of ESCMID.

## App

Navigate through the entire 27th ECCMID programme and all important information on your mobile phone or tablet. View sessions by day and category, and access the abstracts being presented. Create your individual scientific schedule and save it to your calendar. Locate all session rooms and your favourite exhibitors on the floor plans. Get in contact with your colleagues via the integrated chat tool and comment on all sessions and presentations.

Download the ECCMID 2017 congress app from the iOS or Android App Store for your mobile interactive congress experience.

## Badges

All participants and exhibitors are required to wear their badges throughout the congress. Access to the scientific sessions will only be possible with your personal name badge. We charge EUR 50 for replacement of a lost badge.

For any name change, we charge a fee of EUR 50.

## Cameras and Recordings

Any kind of electronic recording as well as photography is prohibited in all lecture halls during all sessions.

## Certificates

Certificates of attendance (not indicating CME credits) are available from Monday morning, 24 April 2017. They can be printed at the print stations in the registration area, using the barcode on your name badge.

## Cloakroom / Left Luggage

A cloakroom will be available at Foyer A.

## Congress Registration

Upon receipt of the registration fee, each participant received a confirmation by email. Please bring your confirmation with the barcode and go directly to the badge print stations in the registration area of the congress centre.

Delegates who are booked through a group registration will receive information on how their badge and congress material will be distributed through their group coordinator.

A congress bag including all documents (final programme, lanyard etc.) will be distributed to the registered participants during the following opening hours:

Friday, 21 April 2017 14:00–19:00  
Saturday, 22 April 2017 07:30–19:00  
Sunday, 23 April 2017 07:00–18:00  
Monday, 24 April 2017 07:00–18:00  
Tuesday, 25 April 2017 07:00–15:30

The same opening hours will apply for onsite registrations. Onsite registrants cannot be guaranteed to receive all congress documents.

For a new congress registration please follow the signs to “New Registration” within the registration area. You may pay by credit card (Visa, MasterCard, Amex). Cash payments in Euro will only be accepted at the secretariat in the registration area.

## Congress Venue

Reed Messe Wien GmbH  
Messeplatz 1  
1021 Vienna, Austria  
Email: info@messe.at

## Currency

All official prices are indicated in Euro (EUR, €), the official currency in Austria. All major credit cards are accepted in most hotels, restaurants and shops.

## ePoster Photo Booth

The ePoster Photo Booth is a new feature at ECCMID 2017. It allows poster authors and other ECCMID participants to take digital selfies with their posters or a pre-selected image in the background. You can send the pictures to any email address as a souvenir of ECCMID 2017. The process of taking an ePoster selfie is very straightforward: just enter your personal information in the terminal provided, set the timer and position yourself in front of the green screen to have the picture taken. Once you are done, enter an email address and press send.

### ESCMID Networking Corner (ENC)

The ESCMID Networking Corner is near the ESCMID World.

ESCMID Study Groups, ESCMID Collaborative Centres and infection networks and projects provide information on posters about their various initiatives. Learn more about these activities and meet representatives of these groups.

### ESCMID World

During the congress, ESCMID staff will welcome you and be happy to answer your questions at their booth located after the entrance – near session halls I, J, K, L.

### Exhibition

A commercial industrial exhibition will take place within the framework of the congress. Please refer to the List of Exhibitors in the *Integrated Symposia and Exhibition Guide* or the mobile website of the congress for further information.

The exhibition will be open as follows:

Saturday, 22 April 2017 12:00–18:00  
Sunday, 23 April 2017 09:30–17:00  
Monday, 24 April 2017 09:30–17:00  
Tuesday, 25 April 2017 09:30–14:00

### Integrated Symposia

For the list and session details of integrated symposia organized by commercial companies, please refer to the *Integrated Symposia and Exhibition Guide* or the mobile website of the congress.

### Internet

WiFi is available throughout the venue.

### Language

The official language of the congress is English. Simultaneous translation will not be provided.

### Liability and Insurance

The organizer is not able to take any responsibility whatsoever for injury or damage involving persons and property during the congress. Participants are advised to take out their own personal travel and health insurance for their trip.

### Meeting Boxes

In the exhibition hall, ESCMID provides meeting space. The meeting boxes can be used free of charge and will be bookable onsite. Each meeting shall not last longer than 1 hour. Please visit the reception desk for further information.

### Mobile Website

Navigate through the entire 27th ECCMID programme and all important information on your mobile phone. View sessions by day and category, access the abstracts being presented, locate exhibitors on the interactive map and in the directory and create your own itinerary to optimize your congress experience: [www.eccmidlive.org](http://www.eccmidlive.org)

### Pipeline Corner

For the third time, ECCMID hosts the Pipeline Corner. SMEs from Europe and overseas will present their research projects and product pipeline. The Pipeline Corner located in Foyer E (between hall D and E) is equipped with two ePoster terminals displaying presentations of the participating companies. The pipeline talks will be on Sunday, 23 April 2017 from 12:30 – 14:00 in Foyer E.

### Press

Accredited journalists are welcome to cover ECCMID 2017. Upon presentation of your press identification, registration will be free of charge. A fully equipped Press Centre is at your disposal, located straight ahead of you after the entrance.

### Publication – ESCMID eLibrary

All accepted abstracts, electronic versions of posters as well as presentations are published in the ESCMID eLibrary. There is no printed abstract book or CD available. In addition, many sessions will be recorded and made available to congress participants. All on-site material will be available at the ECCMID live terminals located in the ESCMID World and online at [www.eccmidlive.org](http://www.eccmidlive.org). You can access the eLibrary at [www.escmid.org/eLibrary](http://www.escmid.org/eLibrary)

### Public Transportation

For the 27th ECCMID 2017 in Vienna, Austria, we are pleased to announce, that we go green. Your congress badge includes a five-day ticket valid in the city centre of Vienna (21–25 April 2017). Make sure to wear your badge when using public transportation. See next page to view the full city map.

### Responsibility

The participant acknowledges that he/she has no right to lodge damage claims against the organizers should the holding of the congress be hindered or prevented by unexpected political or economic events or generally by force majeure, or should the non-appearance of speakers or other reasons necessitate programme changes. By registering, the participant accepts this provision.

### Smoking Policy

There is a strict non-smoking policy throughout the venue.

### Social Media Lounge

Internet terminals for all delegates are available in the Social Media Lounge in the exhibition hall during exhibition hours. Free WiFi will be available throughout the congress venue. No user name and password is needed. The network name is ECCMID 2017.



# General Information (in alphabetical order)

## Travel to the Venue

### Underground

The metro stop Messe/Prater of the U2 line is right outside the venue. It takes you to/from the city centre (Karlsplatz).

### Taxi

For visitors who want to take a taxi to Reed Messe Wien, journey times and prices are found below:

**From Schwechat Airport:** A taxi from the airport will cost about €40 and take around 15–20 minutes with little traffic.

**From the city center:** A taxi from the centre will cost €15–20, take around 15–30 minutes. There is usually heavy traffic.

### Car

GPS: 1020 Vienna, Ausstellungsstraße or Trabrennstraße.

There are two multi-storey car parks (A and D), one underground parking (C) and one car park (A) which will offer parking spaces for 4,326 cars; available for organizers, exhibitors and visitors.

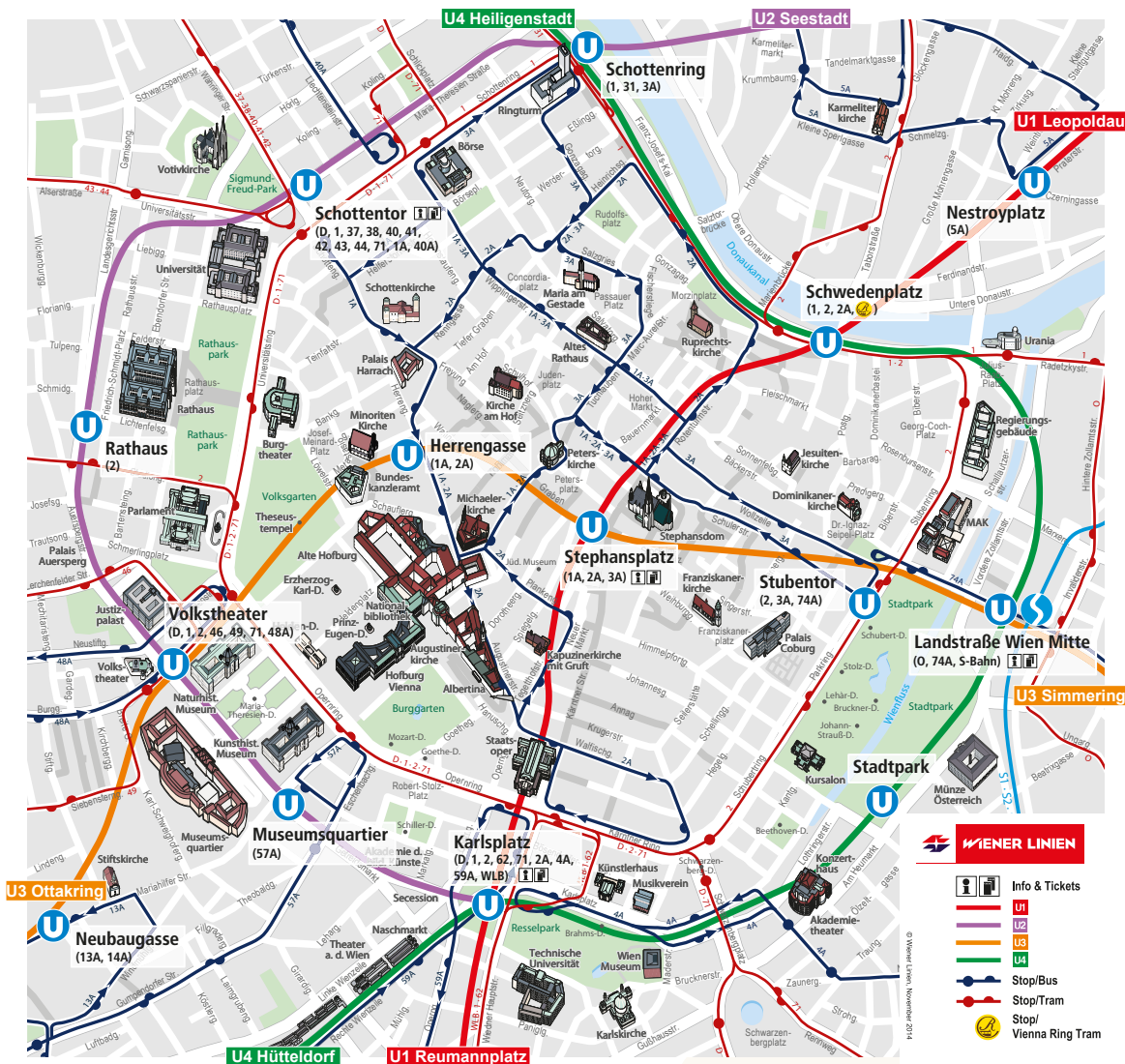
**Transfer from/to airport Schwechat:** The City Airport Train/ CAT takes just 16 minutes nonstop from or to central Vienna. CAT operates daily from 5.36 a.m. to 23.39 p.m. The City Air Terminal is just 10 minutes from St. Stephan's Cathedral at Wien Mitte station, which can be reached easily by tram, underground, bus or taxi. The price for a single ticket is €12 and for a return ticket €19.

### Vienna Marathon

Please note that the Vienna Marathon will be held in parallel to the congress from 21–23 April 2017. We recommend congress delegates prepare for busier traffic during these dates.

### World Map

Are you wondering if your colleagues are onsite in Vienna? The participant world map allows you to browse and search for individual ECCMID 2017 attendees. Pick a country and search for its registered attendees. You find the participant world map located at the ESCMID World.





Summer School  
[www.escmid.org/education](http://www.escmid.org/education)

## 16th ESCMID Summer School Borstel, Germany 1 – 8 July 2017

A one-week course dedicated to postgraduate and continuing medical education. The programme covers a broad range of topics in clinical microbiology and infectious diseases and will interest young MDs at the end of their specialty training as well as biologists, pharmacists, PhD students and postdoctoral fellows working in the infection field.

Please register at [www.escmid.org/education](http://www.escmid.org/education).  
Places are limited, apply by 7 June 2017!

**Organized by the ESCMID Education Subcommittee**  
Hosted at Forschungszentrum Borstel, Germany



## Notes



## Notes





## Notes

# Forthcoming Events

More detailed information  
can be found on the ESCMID website:  
[www.escmid.org](http://www.escmid.org)

## Postgraduate Education Courses and Workshops

Receive state-of-the-art knowledge from expert educators.  
Gather hands-on experience in your field of interest.  
Discuss your work with senior and peer colleagues.

|             |                                                                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 27 – 28 May | <b>Antimicrobial Resistance Across Europe and the Far East: Issues and Solutions</b><br>Taipei, Taiwan<br>ESCMID Postgraduate Education Course                                 |
| 1 – 2 Jun   | <b>Advanced Technical Workshop: Infection and Resistance Prevention in the Regional Healthcare Network</b><br>Groningen, Netherlands<br>ESCMID Postgraduate Technical Workshop |
| 1 – 3 Jun   | <b>Sepsis 2017: from Pathogenesis to Treatment</b><br>Amsterdam, Netherlands<br>ESCMID Postgraduate Education Course                                                           |
| 7 – 9 Jun   | <b>Update on Infections Associated with Orthopaedic Implants: Diagnosis and Management</b><br>Pamplona, Spain<br>ESCMID Postgraduate Education Course                          |
| 8 – 9 Jun   | <b>Viral Infections in Immuno-compromised Patients</b><br>Bratislava, Slovakia<br>ESCMID Postgraduate Education Course                                                         |
| 6 – 8 Sep   | <b>Omics of Host and Pathogens during Infections</b><br>Grenoble, France<br>ESCMID Postgraduate Education Course                                                               |
| 7 – 8 Sep   | <b>Management of Infections in Septic Shock Patients</b><br>Turin, Italy<br>ESCMID Postgraduate Education Course                                                               |
| 14 – 15 Sep | <b>Emerging Antibiotic Resistance in Gram-Negative Bacteria: Problems and Solutions</b><br>Fribourg, Switzerland<br>ESCMID Postgraduate Education Course                       |
| 1 – 4 Oct   | <b>Migration Medicine</b><br>Palermo, Italy<br>ESCMID Postgraduate Education Course                                                                                            |

|                |                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 – 7 Oct      | <b>Antimicrobial Stewardship: Principles and Practice</b><br>Istanbul, Turkey<br>ESCMID Postgraduate Education Course                                                         |
| 10 – 13 Oct    | <b>Capacity-building Workshop: Whole Genome Sequencing for Clinical Microbiology and Hospital Epidemiology</b><br>Freiburg, Germany<br>ESCMID Postgraduate Technical Workshop |
| 30 Oct – 1 Nov | <b>Regional Capacity-building for Integration of Next Generation Sequencing in the Clinical Microlab</b><br>Herzliya, Israel<br>ESCMID Postgraduate Education Course          |
| 2 – 4 Nov      | <b>Antibiotic Therapy in Practice</b><br>Madrid, Spain<br>ESCMID Postgraduate Technical Workshop                                                                              |

## ESCMID Summer School

An intensive one-week course covering diverse topics in the infection field. The high faculty-student ratio and the high level of interactivity make it so popular.

|           |                                                      |
|-----------|------------------------------------------------------|
| 1 – 8 Jul | <b>16th ESCMID Summer School</b><br>Borstel, Germany |
|-----------|------------------------------------------------------|

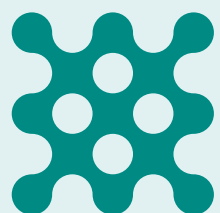
## ESCMID Conferences

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