

9th FENS FORUM OF NEUROSCIENCE

Milan | Italy July 5–9, 2014

Organised by the Federation of European
Neuroscience Societies | FENS

Hosted by the Società Italiana
di Neuroscienze | SINS

PROGRAMME

www.fens.org/2014

FENS | Federation of
European
Neuroscience
Societies

Call for Symposium and Technical Workshop Proposals

10th FENS Forum of Neuroscience

July 2-6, 2016 | Copenhagen, Denmark

Organized by the Federation of European Neuroscience Societies (FENS)

Hosted by the Danish Society for Neuroscience

➔ Submission of proposals: February 2 – March 2, 2015

The Programme Committee will establish the scientific programme of the FENS Forum 2016 on the basis of proposals from scientists from all over the world and all areas of neuroscience research.

For instructions and application for symposium and technical workshop proposals, please connect to <http://forum.fens.org/2016>



➔ A must in Europe for neuroscientists all over the world

➔ Federation of European Neuroscience Societies | FENS
<http://www.fens.org>



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WELCOME

Dear Colleagues,

On behalf of FENS, I would like to welcome all delegates to the 9th FENS Forum of Neuroscience, in Milan.

The biennial FENS Forum provides a unique opportunity to meet and discuss the most recent advances in basic neuroscience and research on the many disorders of the brain. The programme of the FENS Forum is outstanding, and attracts a world-wide audience. It includes plenary and special lectures, a variety of symposia, technical workshops; all selected from ideas proposed by the neuroscience community. As always, a large part of the Forum is devoted to poster presentations, to allow stimulating interaction between participants.

The 9th FENS Forum is hosted by the Italian Society of Neuroscience. We thank the Host Society Committee, chaired by Marina Bentivoglio, for preparing a very attractive programme of scientific and social events. No doubt, this will contribute to turning the 9th FENS Forum into a memorable experience.

We also thank all the FENS' member societies and our partners for their continued support. It is through a joined effort that we can make FENS and its Forum a success.

We very much hope that you will enjoy all aspects of the FENS Forum 2014 in Milan!



Marian Joëls
FENS President

A handwritten signature in black ink that reads "Marian Joëls". The signature is written in a cursive style with a long horizontal stroke at the end.

FENS ORGANISATION

FENS Governing bodies

FENS Governing Council

The FENS Governing Council consists of representatives from the FENS member societies and members of the Executive Committee.

FENS Executive Committee

Marian Joëls, The Netherlands, President
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 Mike G. Stewart, United Kingdom, Treasurer
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 Marina Bentivoglio, Italy, Chair Host Society Committee
 Fernando de Castro, Spain, interim Chair NENS Committee
 Silvia Arber, Switzerland, Chair Programme Committee
 Martine Ammassari-Teule, Italy, Chair Schools Committee

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 Javier Cudeiro, Spain
 Małgorzata Kossut, Poland
 Flavio Moroni, Italy
 Yves Tillet, France

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 Ferdinando Rossi (Deceased), Italy
 Anne King, United Kingdom
 Heiko Luhmann, Germany
 Tomi Taira, Finland

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 László Acsády, Hungary
 Verity J. Brown, United Kingdom
 Kerstin Krieglstein, Germany
 Rebecca Matsas, Greece

Programme Committee

See FENS Forum Organisation (page 05)

FENS Special Committees

FENS Featured Regional Meeting (FFRM) Committee

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 Silvia Arber, Switzerland
 Leonidas Stefanis, Greece
 Martine Ammassari-Teule, Italy
 Ferdinando Rossi (Deceased), Italy
 Marian Joëls, The Netherlands

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 Micky Goldberg, United States
 François Lachapelle, France
 Roger Lemon, United Kingdom
 Pieter Roelfsema, The Netherlands
 Stefan Treue, Germany

History of Neuroscience Committee

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 Michael Hagner, Switzerland
 Ulf Norrsell, Sweden
 Kyriáki Thermós, Greece
 Nicholas Wade, United Kingdom

Neuroscience Conferences Committee

Pico Caroni, Switzerland, Chair
 Tobias Bonhoeffer, Germany
 Ray Dolan, United Kingdom
 Ole Kiehn, Sweden
 Richard Morris, United Kingdom

FENS MEMBER SOCIETIES

National Societies

- » Armenian Neuroscience Society
- » Austrian Neuroscience Association
- » Belgian Society for Neuroscience
- » Brain Research Society of Finland
- » British Neuroscience Association
- » Croatian Society for Neuroscience
- » Czech Neuroscience Society
- » Danish Society for Neuroscience
- » Dutch Neurofederation
- » Georgian Neuroscience Association
- » German Neuroscience Society
- » Hellenic Society for Neuroscience
- » Hungarian Neuroscience Society
- » Icelandic Society for Neuroscience
- » Israel Society for Neurosciences
- » Lithuanian Neuroscience Association
- » National Neuroscience Society of Romania
- » Neuroscience Ireland
- » Neuroscience Society of Turkey
- » Norwegian Neuroscience Society
- » Polish Neuroscience Society
- » Russian Neuroscience Society
- » Serbian Neuroscience Society
- » Slovak Society for Neuroscience
- » Slovenian Neuroscience Association
- » Sociedad Española de Neurociencia
- » Sociedade Portuguesa de Neurociências
- » Società Italiana di Neuroscienze
- » Société des Neurosciences
- » Swedish Society for Neuroscience
- » Swiss Society for Neuroscience
- » Ukrainian Society for Neuroscience

Monodisciplinary Societies

- » European Behavioural Pharmacology Society (EBPS)
- » European Brain and Behaviour Society (EBBS)
- » European College of Neuropsychopharmacology (ECNP)
- » European Confederation of Neuropathological Societies (Euro-CNS)
- » European Molecular and Cellular Cognition Society (EMCCS)
- » European Sleep Research Society (ESRS)
- » European Society for Neurochemistry (ESN)
- » Federation of European Physiological Societies (FEPS)
- » Society for Research on Nicotine and Tobacco - Europe Chapter (SRNT-E)
- » The International Behavioural and Neural Genetics Society (IBANGS)

FENS is a member of the European Brain Council (EBC) and of the International Brain Research Organisation (IBRO).

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FENS FORUM 2014 ORGANISATION

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Silvia Arber, Switzerland, Chair
 Alexandru Babes, Romania (Physiology: neuronal excitability and synapse function)
 Marina Bentivoglio, Italy (Host Society Committee chair)
 Alain Chédotal, France (Development, disorders of the nervous system)
 Rui Costa, Portugal (Behavior, motor systems)
 Thomas Klausberger, Austria (Physiology: systems/network functions, computational neuroscience)
 Oscar Marín, Spain (Development)
 Concetta Morrone, Italy (Sensory and motor systems)
 May-Britt Moser, Norway (Cognition, learning and memory, physiology)
 Stéphane Oliet, France (Glia-neuron interactions)
 Brigitte Roeder, Germany (Cognition and behavior)
 Botond Roska, Switzerland (Vision, genetics, physiology)
 John Rostas, Australia (Pacific Rim representative)
 Erin Schuman, Germany (Molecular and cellular neuroscience)
 Leonidas Stefanis, Greece (Disorders of the nervous system)
 Tarja Stenberg, Finland (Homeostatic & neuroendocrine systems)
 Scott Thompson, USA (SfN representative)

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Travel Grants

The following organisations have sponsored students and young investigators to attend the FENS Forum.

National Member Societies

- Austrian Neuroscience Association: 5 grants of € 500
- Belgian Society for Neuroscience: 6 grants € 350
- French Neuroscience Society: 35 grants of € 500
- German Neuroscience Society: 20 grants of € 500
- Hellenic Society for Neuroscience: 4 grants of € 500
- Lithuanian Neuroscience Association: 3 grants of € 300
- National Neuroscience Society of Romania: 3 grants of € 400
- Polish Neuroscience Society: 5 grants of € 500
- Sociedad Española de Neurociencia: 30 grants of € 350
- Sociedade Portuguesa de Neurociências: 10 grants of € 500

International Societies

- FENS acknowledges Kenes Group for its generous contribution to its travel grant programme.
- Society for Neuroscience (SfN): 15 grants of \$ 2000
- R&D Systems: 10 grants of \$ 1000

FENS IBRO/PERC

- FENS IBRO/PERC grants: 160 travel grants of € 750

ACKNOWLEDGEMENTS

On behalf of the organisers, FENS wishes to thank the invited speakers and chairpersons who have accepted to contribute to the scientific programme, as well as all neuroscientists who have submitted symposia and workshop proposals to the Forum Programme Committee to establish the present scientific programme. The organisers also wish to thank the great number of scientists who submitted their abstracts for poster presentations, thus contributing to a large extent to the success of the FENS Forum 2014 in Milan.

Management and organisation

- » FENS Offices in Brussels and Berlin
- » Host Society Committee, Milan & Verona
- » Kenes International

In addition the organisers would like to thank:

- » The FENS - IBRO/PERC Travel Grant Committee:
Sigismund Huck
Marianne Amalric
Silvia Arber
Mike Stewart
Micaela Morelli
Alessandro Vercelli
Pavla Jendelová
Gabriel Róbert
- » The French Society of Neuroscience:
Dominique Poulain, Clémence Fouquet and Jean-François Renaudon

SUPPORTERS & CONTRIBUTORS

The organisers of the FENS Forum 2014 would like to express its gratitude and acknowledge the following long term partner organisations for their continued support to FENS:

- » Boehringer Ingelheim
- » European Journal of Neuroscience
- » International Brain Research Organization (IBRO)
- » The Brain Prize, Grete Lundbeck European Brain Research Foundation
- » The Dana Foundation
- » The European Dana Alliance for the Brain (EDAB)
- » The Hertie Foundation
- » The Kavli Foundation
- » Wiley

The organisers would like to express its gratitude and acknowledge the following organisations and institutions for their support and contribution to the FENS Forum 2014:

Supporters:

- » Kenes Group
- » Università degli Studi di Milano

Contributors:

- » 9th IBRO World Congress of Neuroscience
- » Abcam
- » Acraf S.p.A.
- » Alomone Labs. Ltd.
- » Alzheimer's Research UK
- » Bio-Techne
- » Biotelligences LLC
- » Electrical Geodesics Inc.
- » Elsevier B.V.
- » ERA NET NEURON
- » Fine Science Tools
- » Fondation IPSEN
- » Fondazione Cariplo
- » Jove
- » MQ: Transforming mental health
- » Plexon Inc.
- » Regione Lombardia
- » Teva Italia S.r.l.
- » The Dargut and Milena Kemali Foundation for Research in Neurosciences
- » The European Brain and Behaviour Society (EBBS)
- » Thermo Scientific
- » TSE Systems GmbH

LONG TERM PARTNERS



SUPPORTERS



CONTRIBUTORS



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Hosted by the Società Italiana
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PROGRAMME INFORMATION

www.fens.org/2014

FENS | Federation of
European
Neuroscience
Societies



Hellenic Society
for Neuroscience



Israel Society
for Neuroscience



Serbian
Neuroscience
Society

FENS Featured

Federation of
European
Neuroscience
Societies

*Nourishing Neuroscience
in the Cradle of Culture*

Regional Meeting 2015



Congress Secretariat:



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Website: www.events.gr

7-10 October 2015

Thessaloniki, Greece

www.ffrm2015.com

PLENARY AND SPECIAL LECTURES

PLENARY LECTURES | Hall A

Saturday, July 05, 2014

18:00 - 19:00

PL01 - **Ray Dolan** (London, United Kingdom)
Reward, value and psychopathology
Kavli Foundation Lecture

Introduced by: Marian Joëls

Sunday, July 06, 2014

08:30 - 09:30

PL02 - **Anna Christina Nobre** (Oxford, United Kingdom)
Temporal expectations: the fourth dimension in attention

Introduced by: Sigismund Huck

17:30 - 18:30

PL03 - **Pico Caroni** (Basel, Switzerland)
Adjusting brain circuits for learning and memory

Introduced by: Richard Morris

Monday, July 07, 2014

08:30 - 09:30

PL04 - **Yang Dan** (Berkeley, USA)
Neuromodulation of brain states

Introduced by: Silvia Arber

17:30 - 18:30

PL05 - **Huda Zoghbi** (Houston, USA)
Rett and MECP2-associated disorders:
from patients to genes and neurobiology
Presidential Lecture

Introduced by: Marian Joëls

Tuesday, July 08, 2014

08:30 - 09:30

PL06 - **Gilles Laurent** (Frankfurt, Germany)
Explorations of a simple visual cortex

Introduced by: Sten Grillner

17:30 - 18:30

PL07 - **Yoshiki Sasai** (Kobe, Japan)
Self-organization of neural structures and
patterns in 3D stem cell culture

Introduced by: Botond Roska

Wednesday, July 09, 2014

08:30 - 09:30

PL08 - **Christine Holt** (Cambridge, United Kingdom)
Building connections: RNA-based mechanism of
axon guidance

Introduced by: Monica Di Luc

13:00 - 14:00

PL09 - **Svante Pääbo** (Leipzig, Germany)
Of Neandertals, Denisovans and Modern Humans
Hertie Foundation Lecture

Introduced by: Rui Costa

SPECIAL LECTURES

Sunday, July 06, 2014

12:30 - 14:00 | [Hall A](#)

SL01 - Grete Lundbeck European Brain Research Foundation/The Brain Prize 2013

Ed Boyden (Boston, USA)

Optogenetic tools for controlling neural activity with light

Georg Nagel (Wurzburg, Germany)

Channelrhodopsin et al., photoreceptors and optogenetic applications

Gero Miesenböck (Oxford, United Kingdom)

Lighting up the brain

Introduced by: Colin Blakemore

13:00 - 13:45 | [Hall B](#)

SL02 - EBBS/Behavioural Brain Research Prize

Carmen Sandi (Lausanne, Switzerland)

Stress and the social brain - from aggression and social hierarchies in rodents to social economic decision making

Introduced by: Martine Ammassari-Teule

Monday, July 07, 2014

13:00 - 13:45 | [Hall B](#)

SL03 - Host Society Special Lecture

Pietro De Camilli (New Haven, USA)

Cell biology of the neuron: Membrane lipid dynamics in the regulation of synaptic function

Introduced by: Michela Matteoli

13:00 - 13:45 | [Hall C](#)

SL04 - EDAB/Max Cowan Special Lecture

Dennis O'Leary (La Jolla, USA)

Genetic and extra-genetic regulation of cortical area patterning

Introduced by: Colin Blakemore

13:00 - 13:45 | [Hall J](#)

SL05 - Boehringer-Ingelheim/FENS Research Award

Judit Makara (Budapest, Hungary)

Processing of correlated synaptic input by dendrites

Introduced by: Bernd Sommer

Tuesday, July 08, 2014

12:30 - 14:00 | [Hall J](#)

SL06 - Foundation IPSEN/Neuronal Plasticity Prize

Barry J. Everitt (Cambridge, United Kingdom)

Neural plasticity, maladaptive learning and memory in addiction: implications for relapse prevention and abstinence

George F. Koob (La Jolla, USA)

Neuroplasticity in the brain stress systems in addiction

Michel Le Moal (Bordeaux, France)

Transition to addiction: a role for intrinsic individual vulnerabilities

Introduced by: Yves Christen and Nikos Logothetis

13:00 - 13:45 | [Hall C](#)

SL07 - IBRO - Kemali Prize

Patrik Verstreken (Leuven, Belgium)

Mitochondrial and presynaptic dysfunction in Parkinson's disease

Introduced by: Pierre Magistretti

13:00 - 13:45 | [Hall B](#)

SL08 - Eric Kandel Prize Lecture

Sonja Hofer (Basel, Switzerland)

Neural dynamics in visual cortex during learning

Introduced by: Tony Movshon

Wednesday, July 09, 2014

11:45 - 12:45 | [Hall J](#)

SL09 - FENS-EJN Awards Lectures

Alexander Borst (Martinsried, Germany)

In search of the Holy Grail of fly motion vision

Emre Yaksi (Leuven, Belgium)

Studying neural circuits mediating fear in zebrafish brain

Introduced by: Jean-Marc Fritschy and Martin Sarter

11:45 - 12:45 | [Hall B](#)

SL10 - ERA NET NEURON/Excellent Papers in Neuroscience Awards 2013

Nadia Kaouane (Vienna, Austria)

Glucocorticoids can induce PTSD-like memory impairments in mice, in SCIENCE

Introduced by: Erkki Raulo

SPECIAL INTEREST EVENTS

Saturday, July 5, 2014

15:45 - 17:15 | Hall A
SiE01 - **EJN Special Feature - Modern neurocircuitry analysis**

Sunday, July 6, 2014

18:45 - 20:45 | Hall H
SiE02 - **Women in Neuroscience (WiN)**

18:45 - 21:00 | Hall E
SiE03 - **“Implementation of the EU Directive 63-2010 and international actions for promoting the use of animals in scientific research” FENS CARE event**

18:45 - 20:45 | Hall C
SiE04 - **William Safire Seminar on Neuroethics**

Monday, July 7, 2014

12:30 - 13:00 | Hall C
SiE05 - **Neuroscience Outreach Awards Programme comprising of the EDAB-FENS Brain Awareness Week (BAW) Excellence Award & the Dana/EDAB Neuroscience Outreach Champion**

18:45 - 21:00 | Hall F
SiE06 - **Building your Career: non-academic opportunities**

Tuesday, July 8, 2014

18:45 - 21:15 | Hall F
SiE07 - **Global Advocacy Event**

18:45 - 19:30 | Hall G
SiE08 - **New perspectives and training for education in Neuroscience**

OPENING CEREMONY & NETWORKING EVENTS

Saturday, July 5, 2014

17:15 - 18:00

Opening Ceremony

Venue: Mico Congress Center - Hall A

Attendance: For all attendees

Welcome address by Marina Bentivoglio, Chair of the Host Society Committee, Pierfrancesco Majorino of the Municipality of Milan and Mario Melazzini of the Region of Lombardy. Musical interlude courtesy of "Fanfara del Comando, 1^a Regione Aerea dell'Aeronautica Militare Italiana".

Official opening of the FENS Forum 2014 by FENS President, Marian Joëls.

19:00 - 22:00

Symposium in honour of the Late Ferdinando Rossi:

A passionate journey through the cerebellar mysteries

Venue: Mico Congress Center, Hall F

Host: Department of Neuroscience Rita Levi Montalcini, University of Turin

To pay tribute to Ferdinando we have organised a passionate journey through cerebellar development and functions, with lectures given by close friends and collaborators of Ferdinando.

All day events

History Corner exhibition

Venue: Mico Congress Center, History Corner, Level 2

Host: FENS - Host Society Committee and History of European Neuroscience Committee

Visibility of history of neuroscience: exhibits of history materials from FENS History awardees and their colleagues.

All day events

The Smile of the Mind exhibition

Venue: Mico Congress Center, History Corner, Level 2

Host: FENS: Host Society Committee and History of European Neuroscience Committee

A history of Neuroscience illustrated through the use of caricature on facts and people who gave a contribution to the development of "Smile of the Mind".

Sunday, July 6, 2014

18:45 - 20:00

Neurogastronomy, the 'brain cuisine' presented by Gordon M. Shepherd

Venue: Mico Congress Center, Hall G

Host: FENS & HSC

Gordon M. Shepherd will discuss how the human brain processes olfaction and taste, through "microcircuits" of synaptic interactions and neural networks, and the significance of this processing in evolution.

18:45 - 22:30

Big Questions in Neuroscience

Venue: Venue: Mico Congress Center, Piazzale Carlo Magno, 1, Milan, Hall F

Host: Cell Press: Neuron and Trends in Neuroscience

Contact person(s): Mariela Zirlinger, Andrew Clark

E-mail: mzirlinger@cell.com; aclark@cell.com

What are the major questions that must be tackled to propel the field forward in the coming years? Focusing on everything from policy to specific gaps in our understanding of the nervous system, this social will be a moderated roundtable discussion featuring a panel of leading scientists (Kia Nobre, David Fitzpatrick, Yang Dan, Rui Costa, Yukiko Goda, and Ed Boyden). Come join the conversation! To RSVP for this event, login to bit.ly/neuroevent.

18:45 - 20:30

YITP meeting

Venue: Mico Congress Center, Hall D2

Host: YITP

YITP fellows and their hosts in Italian laboratories will be invited to attend a symposium during which 4 selected YITP fellows will present their research.

By invitation only

19:00 - 21:00

International Synapse Championships

Venue: Mico Congress Center, Hall D1

Host: IINS Bordeaux (CNRS / France) and University of Utrecht (The Netherlands)

6-8 researchers from the field of synaptic proteins will compete against each other on stage by naming a synaptic protein that has not been named before. If they cannot come up with a new one and all jokers have been used, they are eliminated and the game goes on until there is only the winner left.

18:45 - 21:00

International Society for Serotonin Research Social Gathering

Venue: MILANO Cafè, Via Procaccini 37, Milan

Host: International Society for Serotonin Research

Ubiquitously spread across Europe, Serotonin researchers will gather at this time and space to discuss the virtues of our favourite neurotransmitter. Don't miss the chance to exchange anecdotes with Susan Dymecki, Harry Steinbusch, Alexandre Dayer, Cornelius Gross and Patricia Gaspar, among others.

Monday, July 7, 2014

18:45 - 20:30

Educational Course on: Manuscript and grant writing, effective poster or talk preparation (day 1)

Venue: Mico Congress Center, Hall E

Host: YITP

A 3 day Educational Course (5h in total), this course is specifically designed for PhD students and young post-doctorate fellows. Registration is required.

18:45 - 20:00

Trisomy 21 Research Society Social Gathering

Venue: Mico Congress Center, Suite 4

Host: Trisomy 21 Research Society

This event is organized for neuroscientists and clinicians interested in finding new collaborators and resources in the field of Down syndrome and Alzheimer's research. This event is free, but requires registration.

18:45 - 22:30

Neuroinformatics social - networking data, tools and people

Venue: Mico Congress Center, Hall H

Host: International Neuroinformatics Coordinating Facility

Informal social event for neuroscientists interested in finding new collaborators and resources. INCF coordinates collaborative informatics infrastructure for neuroscience data integration and manages scientific programs to develop standards for data sharing, analysis, modeling and simulation in brain research.

18:45 - 22:30

Meet top scientists and experts from German funding organizations at a speed-dating event

Venue: Museo Nazionale della Scienza e della Tecnologia Leonardo da Vinci

Host: Research in Germany (German Research Foundation, DFG)

Take the opportunity to get in touch with internationally renowned scientists working in Germany and representatives of German funding organizations. Talk about your research career plans and discuss your questions about the German research landscape and its funding opportunities. This event is free, but requires registration.

19:30 - 03:00

Jump the FENS Party

Venue: Alcatraz, Via Valtellina, 25, Milan

This party is organized by students for everyone to "jump" the heavy scientific content of the Forum and have fun. Food, drink, magic, music... perfect ingredients for an unforgettable night!

Tickets available from the FENS Student Booth.

Tuesday, July 8, 2014

18:45 - 21:00

Next generation networks in neuroscience

Venue: Mico Congress Center, Hall D

Host: ERA-NET NEURON in collaboration with NENS

Networking event for young scientists. Information about European transnational mobility, training, and research collaboration options.

18:45 - 20:30

Educational Course on: Manuscript and grant writing, effective poster or talk preparation (day 2)

Venue: Mico Congress Center, Hall E

Host: YITP

A 3 day Educational Course (5h in total), this course is specifically designed for PhD students and young post-doctorate fellows.

18:45 - 20:00

Starting your independent research career - Learn what Germany can do for you

Venue: Mico Congress Center, Hall H

Host: Research in Germany (German Research Foundation, DFG)

This information seminar addresses researchers at an early stage of their scientific careers. Programme officers from the German Research Foundation (DFG) will deliver insight into the German research landscape and various funding programmes as well as application and review procedures. Furthermore, grantees will share their experiences relating to their scientific careers and grant writing.

Wednesday, July 9, 2014

14:15 - 16:15

Educational Course on: Manuscript and grant writing, effective poster or talk preparation (day 3)

Venue: Mico Congress Center, Hall E

Host: YITP

A 3 day Educational Course (5h in total), this course is specifically designed for PhD students and young post-doctorate fellows.

BUSINESS MEETINGS

The following business meetings will take place during the FENS Forum

Date	Time	Room	Meeting
Friday, July 4	09:00 - 17:30	Suite 9	FENS Executive Committee Meeting
Saturday, July 5	08:00 - 10:00	Suite 8	IBRO Executive Committee
	08:30 - 17:00	Hall C	FENS Governing Council Meeting Part I
	19:15 - 22:00	Suite 8	EBBS Committee Meeting
Sunday, July 6	08:00 - 09:00	Suite 8	SfN-IBRO Meeting
	09:30 - 12:00	Suite 8	IBRO Pan-Europe Regional Committee
	10:30 - 11:15	Suite 9	FENS ISN Meeting
	12:00 - 14:30	Suite 7	Annual CARE Committee Meeting
	13:00 - 15:30	Suite 8	NWG Board Meeting
	18:30 - 20:00	Suite 7	General Assembly, Sociedade Portuguesa de Neurociências
	18:30 - 21:00	Suite 6	Meeting of Board and Scientific Committee of Spanish Society for Neuroscience
	18:30 - 20:00	Suite 8	NWG Annual General Meeting
Monday, July 7	10:30 - 11:15	Suite 8	IBRO Global Advocacy Committee Meeting
	11:30 - 13:30	Suite 7	ANA General Assembly 2014
	12:00 - 14:30	Suite 8	EJN Editorial Board Meeting Lunch
	12:00 - 14:00	Suite 9	FENS CARE National Liaisons Meeting
	13:00 - 14:00	Suite 6	FENS Communication Committee Meeting
	14:00 - 15:00	Suite 9	FENS History of European Neuroscience Committee Meeting
	14:00 - 16:00	Suite 7	Neuropsychologia Editorial Meeting
Tuesday, July 8	08:00 - 09:00	Suite 9	FENS SfN Meeting
	10:30 - 12:00	Suite 8	IBRO-Kemali Foundation Meeting
	14:30 - 15:30	Suite 9	FENS-Asia Pacific Meeting
	18:00 - 18:30	Suite 8	NENS Committee Meeting
	19:40 - 21:00	Hall C	AGM of NENS Schools Directors and Coordinators
Wednesday, July 9	08:00 - 09:00	Suite 9	FENS IBRO Meeting
	14:30 - 16:30	Hall C	FENS Governing Council Meeting Part II

SATELLITE EVENTS

The satellite events related to the FENS Forum 2014 have all qualified state-of-the-art scientific programmes. Although FENS is not involved in their preparation and organization, they are highly recommended by the FENS Programme Committee.

July 3, 2014 - July 4, 2014

Brain plasticity of the vestibular and ocular motor systems

Venue: Villa del Grumello, Lago di Como, Via per Cernobbio, 11, Como (22100), Italy
Organizers: Barry Seemungal - Imperial College; Stefano Ramat - University of Pavia;
Stefan Glasauer - Ludwig-Maximilians-Universität
Contact person: Barry Seemungal, +44 7905 364 392 / +44 20 331 17712
E-mail: cnsplasticity@gmail.com | b.seemungal@imperial.ac.uk
Website: www.cnsplasticity.net

July 3, 2014 - July 4, 2014

Motor neuron diseases: molecular and cellular basis of selective vulnerability

Venue: Università degli Studi di Milano, Sala Napoleonica, via Sant'Antonio 10, Milano, Italy
Organizers: Caterina Bendotti, Giambattista Bonanno, Angelo Poletti
Contact persons: Caterina Bendotti, +39-(0) 239014488; Giambattista Bonanno, +39 010 3532658
E-mail: caterina.bendotti@marionegri.it | bonano@difar.unige.it
Website: <http://users.unimi.it/triplet/2014/>

July 3, 2014 - July 4, 2014

Nutrition for the aging brain: toward evidence for an optimal diet

Venue: Klima Hotel Milano Fiere, Milan, Italy
Organizers: International Life Sciences Institute, European Branch
Contact persons: Marie Latulippe, +32 (0)2 775.91.21; Ruth Marquet, +32 (0)2 775.91.40
E-mail: mlatulippe@ilsieurope.be | rmarquet@ilsieurope.be
Website: www.ilsa.org/Europe/Pages/Events.aspx

July 3, 2014 - July 4, 2014

European Molecular and Cellular Cognition Society (EMCCS) - FENS 6th meeting

Venue: Istituto di Ricerche Farmacologiche Mario Negri, Via La Masa 19, Milan (20156), Italy
Organizers: Riccardo Brambilla (Milano, Italy); Kobi Rozenblum (Haifa, Israel); Angel Barco (Alicante, Spain)
Contact persons: Riccardo Brambilla, +390226434876; Angel Barco, +34965919232
E-mail: brambilla.riccardo@hsr.it | abarco@umh.es
Website: www.marionegri.it/mn/en/index.html?l=en

July 4, 2014

Biologically-based models of neurons and microcircuits

Venue: University of Pavia, Pavia (I-27100), Italy
Organizers: Egidio D'Angelo; Jeanette Kotaleski
Contact persons: Egidio D'Angelo, +39 0382 987606; Jeanette Kotaleski
E-mail: dangelo@unipv.it | jeanette@nada.kth.se
Website: www-5.unipv.it/dangelo/

July 4, 2014

Synapses as a therapeutic targets for autism spectrum disorders

Venue: Pavia, aula Golgi (Golgi museum), Pavia [27100], Italy

Organizers: Paolo Curatolo; Enrico Cherubini

Contact persons: Enrico Cherubini, +39-040-3787704; Paolo Curatolo, +39-335-8348921

E-mail: cher@sissa.it | curatolo@uniroma2.it

Website: www.ptsroma.it/fensautism/

July 4, 2014

Understanding sleep: novel perspectives in Neurosciences

Venue: Aula Crociera, University of Milan, via Festa del Perdono 7, Milan [20122], Italy

Organizers: European Sleep Research Society

Contact persons: Lino Nobili, +393497486945; Philippe Peigneux, +32 2 650 26 39

E-mail: Lino.nobili@ospedaleniguarda.it | philippe.peigneux@ulb.ac.be

Website: www.esrs.eu/conferences-events/esrs-sponsored-events.html

July 4, 2014

Drug addiction and psychiatric comorbidity: factors of vulnerability and therapeutic targets

Venue: Department of Structural and Functional Biology, Neuroscience Center,

University of Insubria, Busto Arsizio, Italy

Organizers: Marc Landry; Maria Paz Viveros (on behalf of the Mediterranean Neurosciences Society)

Contact persons: Marc Landry, +61 4 13745036; Maria-Paz Viveros, +34 91 3944993

E-mail: marc.landry@u-bordeaux2.fr | pazviver@bio.ucm.es

July 4, 2014

The power of stripes: zebrafish in neuroscience, toxicology, and behavioral research

Venue: MODULO 3, ADI Hotel Poliziano Fiera, Via Angelo Poliziano, 11, Milan [20154], Italy

Organizers: Noldus Information Technology

Contact persons: Ruud Tegelenbosch, 0031-317473300; Sabine van der Meijde, 0031-317-473300

E-mail: seminars@noldus.nl | seminars@noldus.nl

Website: www.noldus.com/event/fens-satellite-striped-power-zebrafish-new-model-neuroscience-behavior-and-toxicology

July 4, 2014 - July 5, 2014

Advocacy and transparency on animals in research. A FENS - SfN joint event

Venue: MiCo Convention Center, Milan [20149], Italy

Organizers: FENS (CARE) - SfN event

Contact person: Tatjana Butzek,

E-mail: tanja.butzek@fens.org

July 5, 2014

EJN Training Seminars: How to Successfully Publish Your Research

Venue: MiCo Convention Center, Milan [20149], Italy

Organizers: European Journal of Neuroscience (EJN)

Contact person: Sophie Gavarini, +41 44 63 55990

E-mail: editorial.office@ejneurosci.org

July 10, 2014 - July 12, 2014**Summer School on "Synapse dynamics in circuit formation, learning and disease"**

Venue: Villa Vigoni, German-Italian Centre for European Excellence, Via Giulio Vigoni, 1, Loveno di Menaggio (CO) (22017), Italy

Organizers: Marie-Curie ITN NPlast

Contact persons: Christina Spilker, +49-391-626394171; Michael R. Kreutz, +49-391-626394181

E-mail: spilker@lin-magdeburg.de | kreutz@lin-magdeburg.de

Website: www.nplast.de/index.php/summerschool2014

July 10, 2014 - July 11, 2014**Multiple mechanisms of neurodegeneration and progression**

Venue: Hotel Splendid - Baveno (Lago Maggiore), Strada Statale del Sempione, 12, 28831- Baveno, Italy, Baveno (28831), Italy

Organizers: María Trinidad Herrero & Micaela Morelli & Neurotoxicity Society (NTS)

Contact persons: María Trinidad Herrero, +34609441977; Micaela Morelli, +390706758663

E-mail: ezquerro@uji.es | morelli@unica.it

Website: www.itb.cnr.it/web/fens2014/home

July 10, 2014**The many faces of stress**

Venue: Università degli Studi di Milano, Sala Napoleonica, via Sant'Antonio 10, Milano (20122), Italy

Organizers: Maurizio Popoli, Gerard Sanacora

Contact persons: Maurizio Popoli, +390250318361; Laura Musazzi, +390250318377

E-mail: maurizio.popoli@unimi.it | laura.musazzi@unimi.it

Website: http://users2.unimi.it/fens_stress/index.html

PROGRAMME AT A GLANCE

Saturday, July 5, 2014

12:30 - 15:30	Hall G W01 - From synapses to network oscillations: High resolution recording techniques	Hall D1 W02 - Optical measurement and manipulation of neural circuits in transparent animal models	Hall F W03 - Novel trans-synaptic tracing approaches for functional-anatomical studies of neuronal circuits	Hall D2 W04 - Closed-loop methodology in neural systems	Hall E W05 - New approaches to understand astrocyte-neuron interactions in health and disease	Hall H W06 - Epigenomic landscapes of the adult brain: implications in neuroplasticity and brain disorders
15:45 - 17:15	Hall A SiE01 - EJN Special Feature - Modern neurocircuitry analysis					
17:15 - 18:00	Hall A Opening Ceremony					
18:00 - 19:00	Hall A PL01 - Kavli Foundation Lecture Ray Dolan (London, United Kingdom)					
19:00 - 22:00	Hall F Symposium in honour of the Late Ferdinando Rossi: A passionate journey through the cerebellar mysteries					
All Day Event	Hall B History Corner exhibition			Hall B The Smile of the Mind exhibition		

Colour Key:

PL - Plenary Lecture	SL - Special Lecture
S - Symposium	W - Technical Workshop
SiE - Special Interest Event	Networking Events
	Opening Ceremony

Sunday, July 6, 2014

08:30 - 09:30	Hall A PL02 - Plenary Lecture Anna Christina Nobre (Oxford, United Kingdom)				Poster Area Session I
09:30 - 09:45	Break				
09:45 - 11:15	Hall G	S01 - Emergent concepts in axon guidance			
	Hall I	S02 - Glutamate-dopamine cross-talk: from signaling pathways to disease			
	Hall J	S03 - Synaptic structure and function illuminated by fluorescence and electron microscopy			
	Hall D	S04 - Gamma oscillations and cognitive processing: linking coordination of individual neurons to behavior			
	Hall E	S05 - Hyperexcitability in fragile X syndrome: too much of a good thing?			
	Hall H	S06 - Emergent principles for rhythm generation in motor systems			
	Hall F	S07 - Locus coeruleus orchestrates attention networks, motivational salience and cognitive flexibility			
	Hall C	S08 - The hedonistic brain: learning, predicting and decision making			
11:15 - 12:30	Break and Poster Viewing Poster Session I				11:15 - 12:15 Odd Number Presentations
12:30 - 14:00	Hall A SL01 - Grete Lundbeck European Brain Research Foundation/The Brain Prize 2013 Ed Boyden (Boston, USA) Georg Nagel (Wurzburg, Germany) Gero Miesenböck (Oxford, United Kingdom)		Hall B SL02 - EBBS/Behavioural Brain Research Prize Carmen Sandi (Lausanne, Switzerland) (13:00 - 13:45)		12:15 - 13:15 Even Number Presentations
	Break and Poster Viewing Poster Session II				Session II
14:00 - 15:45	Break and Poster Viewing Poster Session II				13:30 - 14:30 Odd Number Presentations
	Hall G	S09 - Transcriptional control of tangential neuronal migration in the developing brain			14:30 - 15:30 Even Number Presentations
	Hall D	S10 - Decoding serotonergic systems and their impact on cortical circuit formation			
	Hall E	S11 - Development and function of left-right circuit asymmetries in the brain			
	Hall I	S12 - Mechanisms of microglia phagocytosis in health and disease			
	Hall J	S13 - Local protein synthesis: role in memory formation and dysfunction in autism and Alzheimer's disease			
	Hall H	S14 - Spotlight on olfaction: from odorant receptors to behaviour			
	Hall F	S15 - Linking neural circuits to behavior in zebrafish			
Hall C	S16 - Lateral entorhinal cortex: interface for hippocampal episodic memory				
17:15 - 17:30	Break				
17:30 - 18:30	Hall A PL03 - Plenary Lecture, Pico Caroni (Basel, Switzerland)				
18:30 - 18:45	Break				
18:45 - 21:00	Hall H SiE02 - Women in Neuroscience (18:45 - 20:45)		Hall E SiE03 - Implementation of the EU Directive 63-2010 and international actions for promoting the use of animals in scientific research" FENS CARE event		Hall C SiE04 - William Safire Seminar on Neuroethics (18:45 - 20:45)
	Hall G Neurogastronomy, the 'brain cuisine' presented by Gordon M. Shepherd (18:45 - 20:00)	Hall F Big Questions in Neuroscience (18:45 - 22:30)	Hall D2 YITP meeting (18:45 - 20:30)	Hall D1 International Synapse Championships (19:00 - 21:00)	Venue: MILANO, Via Procaccini 37 International Society for Serotonin Research Social Gathering (18:45 - 21:00)

COLOUR KEY: ● PL - Plenary Lecture, ● S - Symposium, ● SiE - Special Interest Event, ● SL - Special Lecture, ● W - Technical Workshop, ● Networking Events

Monday, July 7, 2014

08:30 - 09:30	Hall A PL04 - Plenary Lecture Yang Dan (Berkeley, USA)			Poster Area Session III	
09:30 - 09:45	Break				
09:45 - 11:15	Hall D	S17 - Human brain development and evolution: new approaches and emerging concepts			
	Hall F	S18 - Oxytocin and vasopressin: anatomical and molecular pathways to modulate brain circuits and behavior			
	Hall J	S19 - Glia in neuronal information processing: from synapses to behaviour			
	Hall C	S20 - Neurobiological and neurogenetic bases of the link between sleep, stress and depression			
	Hall E	S21 - Risk factors for vulnerability to addiction			
	Hall I	S22 - In vivo functional recording of neuronal population activity			
	Hall G	S23 - Control of goal-related actions and behavioural decision processing in the prefrontal cortex			
	Hall H	S24 - Genetic analysis of neural circuits controlling reproduction			
11:15 - 12:30	Break and Poster Viewing Poster Session III			11:15 - 12:15 Odd Number Presentations	
12:30 - 13:45	Hall B SL03 - Host Society Special Lecture Pietro De Camilli (New Haven, USA) (13:00 - 13:45)	Hall C SL04 - EDAB/Max Cowan Special Lecture Dennis O'Leary (La Jolla, USA) (13:00 - 13:45)	Hall J SL05 - Boehringer-Ingelheim/FENS Research Award Judit Makara (Budapest, Hungary) (13:00 - 13:45)	Hall C SiE05 - Neuroscience Outreach Awards Program: Comprising of the EDAB-FENS Brain Awareness Week (BAW) Excellence Award & the Dana/EDAB Neuroscience Outreach Champion (12:30 - 13:00)	12:15 - 13:15 Even Number Presentations
13:45 - 15:45	Break and Poster Viewing Poster Session IV			Session IV 13:30 - 14:30 Odd Number Presentations	
15:45 - 17:15	Hall D	S25 - Regulatory mechanisms of neuronal specification		14:30 - 15:30 Even Number Presentations	
	Hall F	S26 - Voltage-gated calcium channels and synaptic function: from basic mechanisms to disease			
	Hall J	S27 - Post-synaptic plasticity of GABAergic synapses			
	Hall C	S28 - RNA metabolism: what ALS/FTD has in common with other RNA-related diseases			
	Hall E	S29 - Glioblastoma stem cells in tumor progression and in new therapies			
	Hall G	S30 - Ramping up resilience: from (epi) genetics, to optogenetics and imaging			
	Hall I	S31 - Basal ganglia networks in health and disease: from synapses to systems			
	Hall H	S32 - Principles of information coding in human lateral prefrontal cortex			
17:15 - 17:30	Break				
17:30 - 18:30	Hall A PL05 - Presidential Lecture, Huda Zoghbi (Houston, USA)				
18:30 - 18:45	Break				
18:45 - 21:00	Hall F SiE06 - Building your Career: non-academic opportunities	Hall E Educational Course on: Manuscript and Grant Writing, effective Poster or Talk preparation (18:45 - 20:30)	Suite 4 Trisomy 21 Research Society Social Gathering (18:45 - 20:00)		
	Hall H Neuroinformatics social - networking data, tools and people (18:45 - 22:30)	Museo Nazionale della Scienza e della Tecnologia Leonardo da Vinci Meet top scientists and experts from German funding organizations at a speed-dating event (18:45 - 22:30)	Venue: Alcatraz Jump the FENS Party (19:30 - 03:00)		

COLOUR KEY: ● PL - Plenary Lecture, ● S - Symposium, ● SiE - Special Interest Event, ● SL - Special Lecture, ● W - Technical Workshop, ● Networking Events

Tuesday, July 8, 2014

08:30 - 09:30	Hall A PL06 - Plenary Lecture Gilles Laurent (Frankfurt, Germany)			Poster Area Session V
09:30 - 09:45	Break			
09:45 - 11:15	Hall D	S33 - Development and function of GABA circuits		
	Hall F	S34 - MicroRNAs in brain development and function		
	Hall C	S35 - Protein shuttling in synapse-to-nucleus signalling		
	Hall J	S36 - Adult cortical plasticity		
	Hall I	S37 - Deciphering the physiology and function of hippocampal area CA2		
	Hall G	S38 - Cell and gene therapy approaches in retinal degenerations		
	Hall B	S39 - Coding others' behaviour in the monkey primary motor and premotor cortex		
	Hall H	S40 - Pharmacological and optogenetic control of cognition		
11:15 - 12:30	Break and Poster Viewing Poster Session V			11:15 - 12:15 Odd Number Presentations
12:30 - 14:00	Hall J	Hall C	Hall B	12:15 - 13:15 Even Number Presentations
	SL06 - Foundation IPSEN/ Neuronal Plasticity Prize Barry J. Everitt (Cambridge, UK) George F. Koob (La Jolla, USA) Michel Le Moal (Bordeaux, France)	SL07 - IBRO - Kemali Prize Patrik Verstreken (Leuven, Belgium) (13:00 - 13:45)	SL08 - Eric Kandel Prize Lecture Sonja Hofer (Basel, Switzerland) (13:00 - 13:45)	
14:00 - 15:45	Break and Poster Viewing Poster Session VI			Session VI
				13:30 - 14:30 Odd Number Presentations
15:45 - 17:15	Hall H	S41 - Axon guidance and targeting of retinal ganglion cells		14:30 - 15:30 Even Numbers Presentations
	Hall F	S42 - Regional diversity of endocannabinoid signaling in action control		
	Hall C	S43 - Cortical inhibition in single-neuron computations, network activities and sensory processing		
	Hall E	S44 - Variance and Invariants in functional connectivity		
	Hall I	S45 - Interaction of genes and environment as risk factors for mental illness		
	Hall J	S46 - Axonal transport: basic mechanisms and its pathogenetic role in brain diseases		
	Hall G	S47 - What does cross-modal plasticity tell us about the way the senses interact during development?		
	Hall D	S48 - The integration of spatial maps across cortical areas		
17:15 - 17:30	Break			
17:30 - 18:30	Hall A PL07 - Plenary Lecture Yoshiki Sasai (Kobe, Japan)			
18:30 - 18:45	Break			
18:45 - 20:30	Hall F SiE07 - Global Advocacy Event (18:45 - 21:15)		Hall G SiE08 - New perspectives and training for education in Neuroscience (18:45 - 19:30)	
	Hall D Next generation networks in neuroscience (18:45 - 21:00)	Hall E Educational Course on: Manuscript and Grant Writing, effective Poster or Talk preparation (18:45 - 20:30)	Hall H Starting your independent research career - Learn what Germany can do for you (18:45 - 20:00)	

COLOUR KEY: ● PL - Plenary Lecture, ● S - Symposium, ● SiE - Special Interest Event, ● SL - Special Lecture, ● W - Technical Workshop, ● Networking Events

Wednesday, July 9, 2014

08:30 - 09:30	Hall A PL08 - Plenary Lecture Christine Holt (Cambridge, United Kingdom)		Poster Area Session VII
09:30 - 09:45	Break		
09:45 - 11:15	Hall G	S49 - Early cortical circuits	
	Hall J	S50 - Epigenetic control of neuronal function	
	Hall F	S51 - Old but new synaptic organizers: diverse but common mechanisms	
	Hall D	S52 - Synaptic deficits in intellectual disability disorders	
	Hall E	S53 - Auditory cortical tuning to natural sounds	
	Hall H	S54 - Functional and anatomical heterogeneity in the midbrain dopamine system	
	Hall I	S55 - The stressed social brain	
	Hall C	S56 - Generalization of emotional memories: from neural circuits to anxiety disorders	
11:15 - 12:30	Break and Poster Viewing Poster Session VII		11:15 - 12:15 Odd Number Presentations
11:45 - 12:45	Hall J SL09 - FENS-EJN Awards Lectures Alexander Borst (Martinsried, Germany) Emre Yaksi (Leuven, Belgium)	Hall B SL10 - ERA NET NEURON/Excellent Papers in Neuroscience Awards 2013 Nadia Kaouane (Vienna, Austria)	12:15 - 13:15 Even Number Presentations
	Break and Poster Viewing Poster Session VII		
12:45 - 13:00	Break and Poster Viewing Poster Session VII		
13:00 - 14:00	Hall A PL09 - Hertie Foundation Lecture Svante Pääbo (Leipzig, Germany)		
14:15 - 16:00	Hall E Educational Course on: Manuscript and Grant Writing, effective Poster or Talk preparation (14:15 - 16:00)		

COLOUR KEY: ● PL - Plenary Lecture, ● S - Symposium, ● SiE - Special Interest Event, ● SL - Special Lecture, ● W - Technical Workshop, ● Networking Events

9th FENS FORUM OF NEUROSCIENCE

Milan | Italy July 5–9, 2014

Organised by the Federation of European
Neuroscience Societies | FENS

Hosted by the Società Italiana
di Neuroscienze | SINS

GENERAL INFORMATION

www.fens.org/2014

FENS | Federation of
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Neuroscience
Societies

INFORMATION FOR SPEAKERS AND CHAIRPERSONS

The role of the chairpersons is to monitor speaking and discussion times and to lead the discussions. Chairpersons control the switch between presentations. All speakers must submit their presentations in the Speakers' Ready Room, on level 2 of the venue, at least 2 hours before the start of their session in order to check their slides with the technical staff and upload the presentation onto the network.

The opening hours of the Speakers' Ready Room are as follows:

Saturday 5 July:	07:30 - 19:30
Sunday 6 July:	07:30 - 18:30
Monday 7 July:	08:00 - 18:30
Tuesday 8 July:	08:00 - 18:30
Wednesday 9 July:	08:00 - 14:00

Speakers can upload their presentations at any time from the beginning of the Forum and do not need to wait until the day of presentation. Speakers in morning sessions are strongly advised to pre-load their presentation the day before.

Modification of the presentation is possible at any time prior to the session in the Speakers' Ready Room.

Data presentations:

If using a PowerPoint (or any presentation), please note you need to bring it on a "disk on key" Memory stick (using the USB port in the computer), a CD or a DVD and load it on one of the Forums' computers in the Speakers' Ready Room, at least 2 hour before the start of the session.

Please note that the Forum computers in the session halls are being supplied with Office 2013.

If combining video films with PowerPoint, please make sure to check it in the session hall where your lecture is taking place during a break prior to your session, at least 30 minutes before the start of the session - **even after checking it in the Speakers' Ready Room.**

Alternatively you may supply your own laptop computer. In such cases please confirm that it has a VGA socket for external signal, advise the operators in the Speakers' Ready Room about it as soon as you arrive and later on test in the session hall where your lecture is taking place during the break prior to your session, at least 30 minutes before the session starts.

Important note for Macintosh users

The instructions above also apply to all Mac users.

In order to use MAC presentations on a PC compatible computer please note that you need to prepare it according to the instructions below, before bringing it to the Speakers' Ready Room:

- » Use a common font, such as Arial, Times New Roman, Verdana etc.
(special fonts might be changed to a default font on a PowerPoint based PC).
- » Insert pictures as JPG files
(and not TIF, PNG or PICT - these images will not be visible on a PowerPoint based PC).
- » Use a common movie format, such as AVI and WMV
(MOV files from QuickTime will not be visible on a PowerPoint based PC).

Alternatively you may use your own Macintosh laptop computer. In such a case please confirm you provide it with **a VGA adaptor** for external signal and come to check it first in the Speakers' Ready Room as soon as you arrive and later on in the session hall where your lecture is taking place during the break prior to your session, at least 30 minutes before the session starts. **Please note that VHS Video projection, 35 mm' slide projection and Overhead projection (projection of transparencies) will not be available.**

POSTER INFORMATION

Poster Presentations

Half-day poster presentations take place in the Poster Area of the exhibition hall from Sunday through Wednesday, July 6-9. Authors are requested to be in attendance at their poster for discussion, as scheduled below:

Sunday, July 6 - Tuesday, July 8

08:00 - 13:15	Morning Posters on Display
11:15 - 12:15	Authors of odd-numbered posters in attendance
12:15 - 13:15	Authors of even-numbered posters in attendance
13:15 - 13:30	Poster Switch Period
13:30 - 18:45	Afternoon Posters on display
13:30 - 14:30	Authors of odd-numbered posters in attendance
14:30 - 15:30	Authors of even-numbered posters in attendance

Wednesday, July 9

08:00 - 13:15	Morning Posters on Display
11:15 - 12:15	Authors of odd-numbered posters in attendance
12:15 - 13:15	Authors of even-numbered posters in attendance

Please find your board number by locating your abstract on the mobile website or the programme book. You should display your poster on the board number assigned to you. These pages also indicate the date and time of your presentation. For further details, please see the floor plans on page 34

Poster boards are 2 meters wide and 1 meter high (landscape format). Posters can be affixed by double-sided adhesive tape, available at the Poster Assistance desk onsite.

Posters should be mounted at 8:00 am for morning presentations, and at 13:30 pm for afternoon presentations.

Removal: Material from the morning sessions must be removed imperatively at 13:15. At 13:10 this will be announced centrally. Please respect this quick removal so that the afternoon poster presenters can mount their material. Material from the afternoon sessions must be removed from 18:30, and in any case before leaving the MiCo.

MEETING INFORMATION

Forum Venue

MiCo - Milano Congressi
Piazzale Carlo Magno, 1
20149 Milan
Italy
www.micomilano.it

Registration

The Registration Desk will be open at the Congress Centre as follows:

Saturday 5 July:	07:30 - 19:30
Sunday 6 July:	07:30 - 18:30
Monday 7 July:	08:00 - 18:30
Tuesday 8 July:	08:00 - 18:30
Wednesday 9 July:	08:00 - 14:00

Registration Badges

Attention: Lost badges will be replaced with the presentation of an ID, at a replacement fee of € 15. Upon registration, you will receive your name badge. Badges must be visible and worn at all times, anywhere in the MiCo.

Certificate of Attendance

Certificate of Attendance for the Forum will be available from the pre-paid registration stations in the registration area from 13:30 on Monday, July 7 until the end of sessions on Wednesday, July 9. Please scan the barcode on your badge to collect your certificate.

FENS Booth

The FENS Booth is located near the entrance to the Exhibition Area. Please come and visit us to collect information on membership or find out what FENS can do for you.

Destination Italy

The FENS Forum 2014 Host Society Committee have put together a website with detailed information about attractions, history and arts in and around Milan. To read their recommendations and to find out information about the Outreach activities they are hosting, please visit the FENS forum 2014 website.

About Registration

On-site registration July 5-9, 2014

Onsite Registration Fees

Members	€ 375
Non-members	€ 455
Student members	€ 175
Student non-members	€ 245
Corporate	€ 575
Programme book*	€ 20
Technical workshop (July 5)**	€ 65
Student Jump the FENS party (July 7)	€ 25

Registration fees include 22% VAT

* Subject to availability

** Limited places available

The Standard Registration Fee Includes:

- » Attendance to the scientific programme
- » Conference bag
- » Entrance to the opening ceremony
- » Technical workshops and registrations for some specific events, such as the student Jump the FENS party require an additional payment.

Lost badges will be replaced for registered participants presenting an ID, at a replacement fee of € 15.

Registration Categories

The following categories for participants apply:

Member: A member of one of the societies affiliated to FENS. A member of the American Society for Neuroscience (SfN) may also benefit from the same registration fees as FENS members. Please note however, that this option is offered only to SfN members who live and have their professional activity in a country where there is no neuroscience society member of FENS.

Non-member: A participant from academic or non-profit organizations.

Student: A pre-doctoral student. Postdoctoral fellows, hospital residents, interns and laboratory technicians do not qualify for the student rate.

Pre-doctoral students registering online must upload a Pdf letter proving their status (i.e. a signed statement from their Department Head or supervisor). Upon registering onsite, such proof should be presented as well.

Corporate: A participant from a company.

About the Exhibition

The FENS Forum 2014 exhibition, featuring commercial displays of international organizations, pharmaceutical, chemical and laboratory equipment companies, media publishers and scientific societies, will be located in the Exhibition Area of the MiCo. (See page 38 and onwards for the exhibitor list and profiles).

Exhibit Hall Passport Contest

Each attendee will receive a “passport card” with their Forum bag. This game card lists all the participating exhibit booth names and numbers. Attendees will need to visit at least 35 of the exhibitor booths listed and get their Passport Game Card stamped. Once 35 or more stamps have been received (in the corresponding boxes), passports can then be deposited into a drop-box located at the FENS booth.

Passports must be turned in by midday on Tuesday, July 8 in order to be eligible for the prize lottery.

The prize lottery will take place at 14:00 on Tuesday, July 8. Winners will be listed at the FENS booth. Prizes must be collected in person onsite.

Exhibition Opening Hours

Sunday 6 July:	09:30 - 17:30
Monday 7 July:	09:30 - 17:30
Tuesday 8 July:	09:30 - 17:30
Wednesday 9 July:	09:30 - 14:00

Poster Helpdesk

The poster helpdesk in the poster hall offers storage of posters during the day. You are advised to collect your poster by the end of the day. Any posters remaining at the end of the meeting will be disposed of.

Internet

The MiCo is a WiFi zone. Computer stations and abstract viewing stations will also be available in the Exhibition/Poster Area during exhibition hours only. In addition, free WiFi is offered by the Municipality of Milan in conjunction with the FENS Forum 2014 and allowing participants to surf the Internet from several sites in the city area. For more information and to register for this service please visit:
<http://info.openwifimilano.it>.

Cash Bars

Cash Bars where attendees can purchase food and drink, are situated in the Exhibition/Poster Area and Main Foyer.

Press Centre

During the FENS Forum, a Press Centre will be available on mezzanine 2.

Scientific Meetings Display Table

A Display Table is located in the Exhibition Hall. Participants are welcome to use this space to place messages from colleagues.

Smoking Policy

The FENS Forum 2014 is a non-smoking event. Participants are kindly requested to refrain from smoking in all public areas.

Scientific Session and Mobile Phones

Please be respectful to the speakers and audience by keeping noise to a minimum when in the session hall areas. Delegates are kindly requested to keep their mobile phones switched off in the room where scientific sessions are being held.

Food

Food is not allowed inside the session rooms. Participants may bring in water bottles.

Insurance and Liability

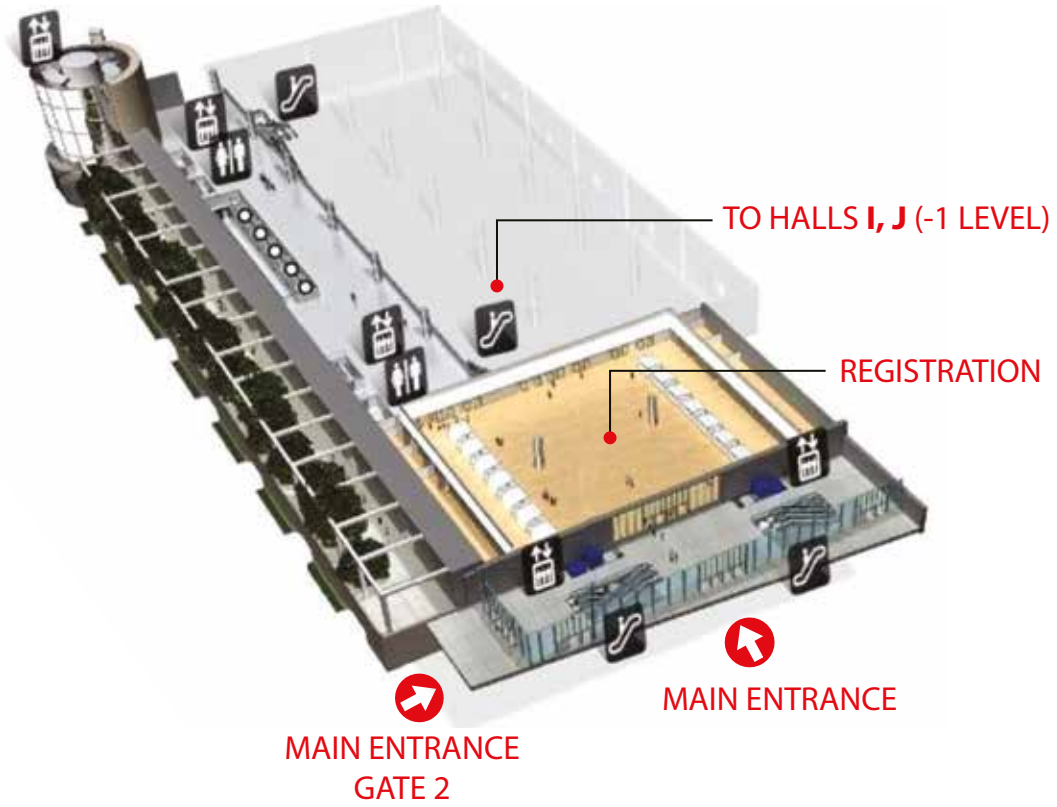
The Forum Secretariat and Organisers cannot accept liability for personal accidents or loss of/or damage to private property and participants. Participants are advised not to leave their personal belongings unattended in session halls and throughout the forum venue.

Safety and Security

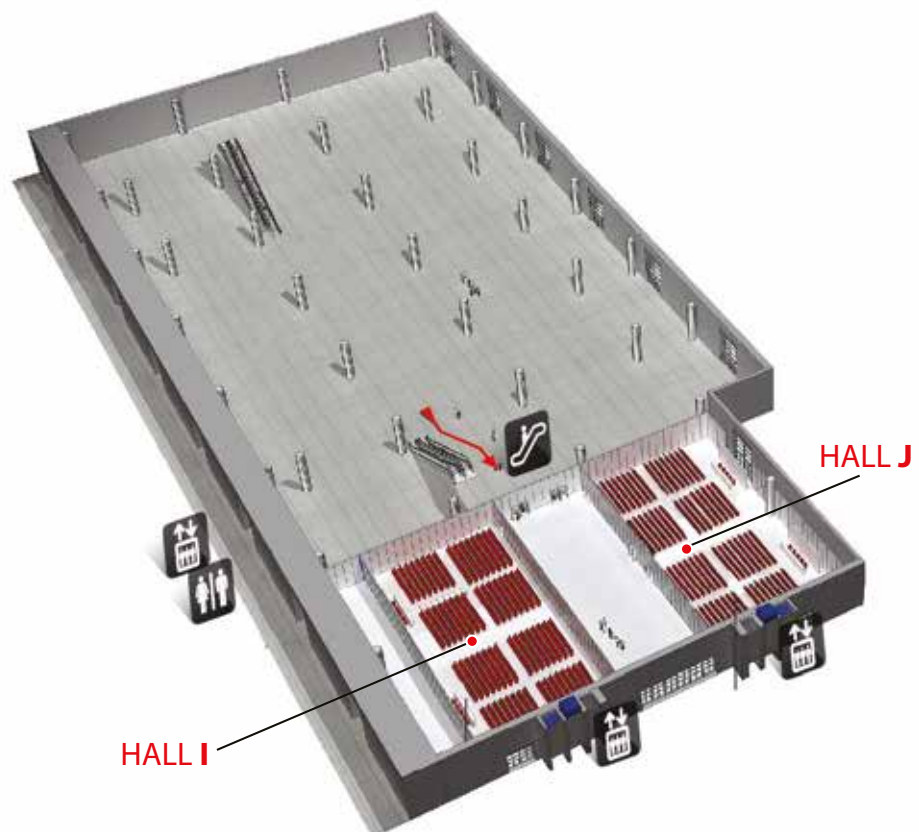
Please do not leave bags or suitcases unattended at any time, whether inside or outside session halls.

MiCo CONVENTION CENTRE FLOOR PLANS

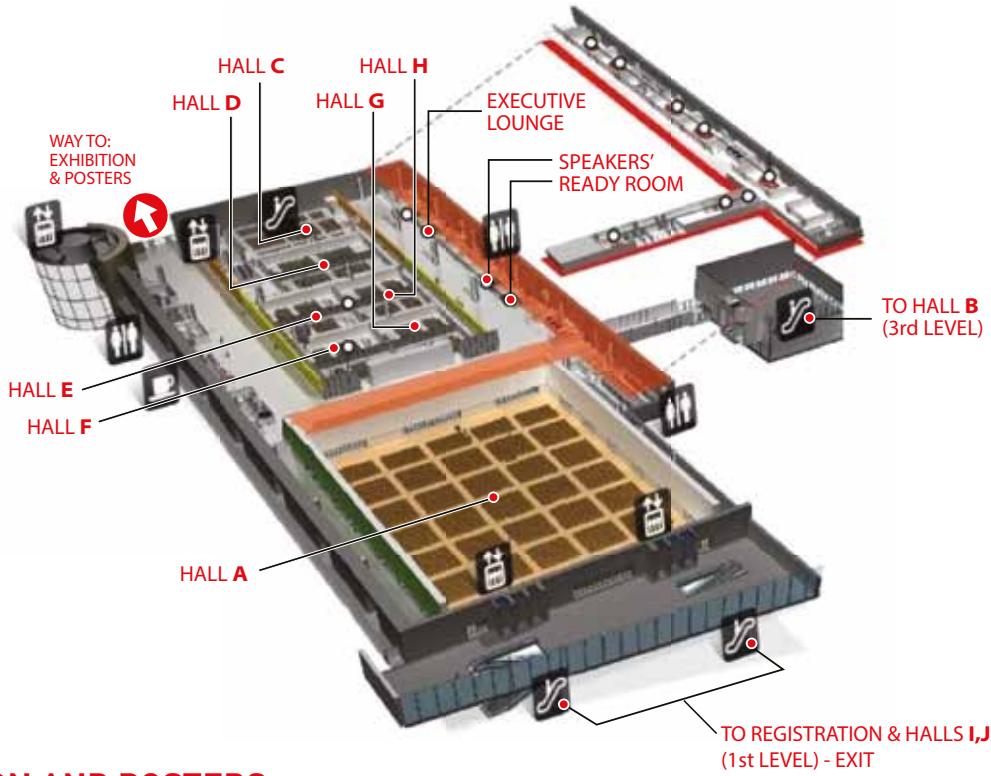
LEVEL 1



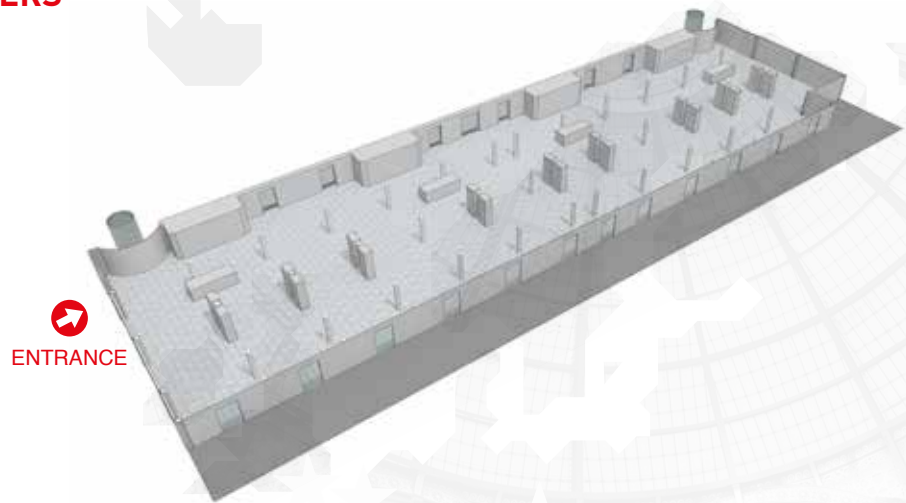
LEVEL -1



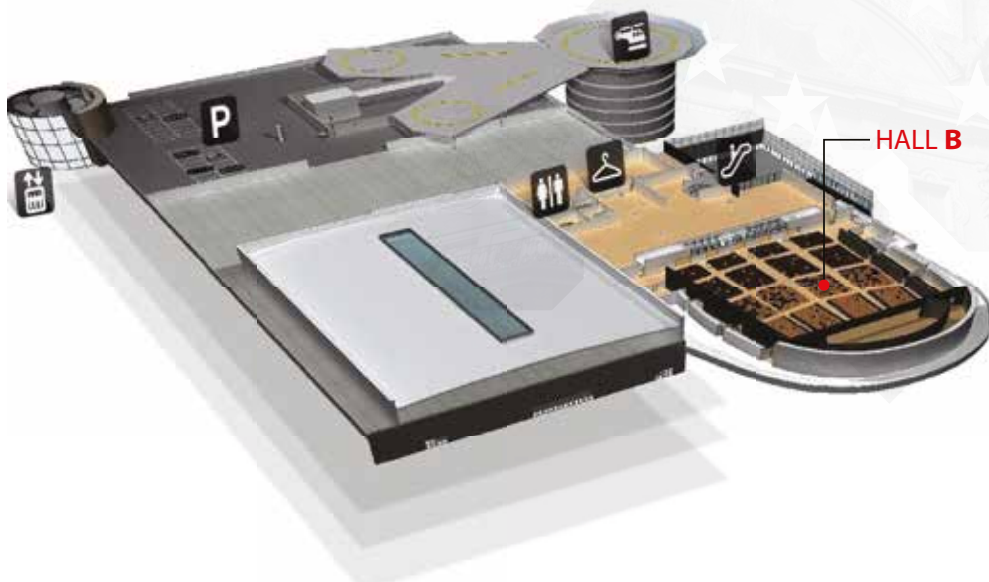
LEVEL 2



EXHIBITION AND POSTERS



LEVEL 3



INFORMATION AT YOUR FINGERTIPS

Paperless Scientific Programme on Smartphones and Tablets

FENS Forum 2014 Mobile website transforms smart phones and tablets into a dedicated tool for active meeting participation - making it easy for delegates to access the essential meeting content and information they need. Available on Apple and Android devices as well as through mobile web and regular web access, our paperless apps enable you to:

- » access the updated scientific programme (live changes made);
- » create your personalized programme;
- » contact fellow participants - to email, schedule meetings and network (personal information is protected and e-mail addresses are not available);



With FENS Forum 2014 Mobile website delegates can search for the information they need. For example, sessions and presentations can be searched by day and time, hall, topic and presenters.

This paperless application is designed for cross platform access via laptop and mobile devices such as Smartphones, iPhone, Android etc. Access to the application is via your browser. **Scan the QR code on this page for quick access.**

Scheduler - your itinerary planner

With the paperless application you have the option to plan your time and to schedule sessions and presentations that you want to attend and even set personal meetings. Access the scheduler via the user name and password that you have received via email or simply create a user at the login page. By clicking on the '+' icon you can add a session to your personal itinerary, or remove them by clicking on the '-'. Your schedule is saved automatically in MY FENS. Once you have compiled your programme you can either import it into your calendar or export it as a PDF. Scheduler is a new, smart application that helps you choose, plan and optimize your congress itinerary - allowing you to make the most out of your meeting

For assistance you can contact our support at support@meetingxpert.net.

Notification System - Your Personal Forum Mailbox

This feature enables you to communicate with your colleagues, set personal meetings and exchange ideas.

By displaying timely information about program changes as well as personal notifications from the forum secretariat or any other delegates, the Notification System enables delegates to maximize their meeting experience. The system provides scheduled notifications 5, 10, 15 or 20 minutes before a presentation begins, ensuring delegates don't miss important sessions. Once downloaded on the mobile website, delegates with Android or Apple apps can receive these updates as SMS's, push messages or web notifications.

E-Book

FENS Forum 2014 E-Book offer delegates a convenient and enjoyable way to access forum content on the move. Available on any smart device such as Apple or Android, mobile website and via browser. Delegates can add bookmarks or highlight text. Text is searchable and can be hyperlinked, enabling readers to jump back-and-forth between chapters or the index.

Limited printed copies of the FENS Forum Programme Book will be available onsite for purchase.

9th FENS FORUM OF NEUROSCIENCE

Milan | Italy July 5–9, 2014

Organised by the Federation of European
Neuroscience Societies | FENS

Hosted by the Società Italiana
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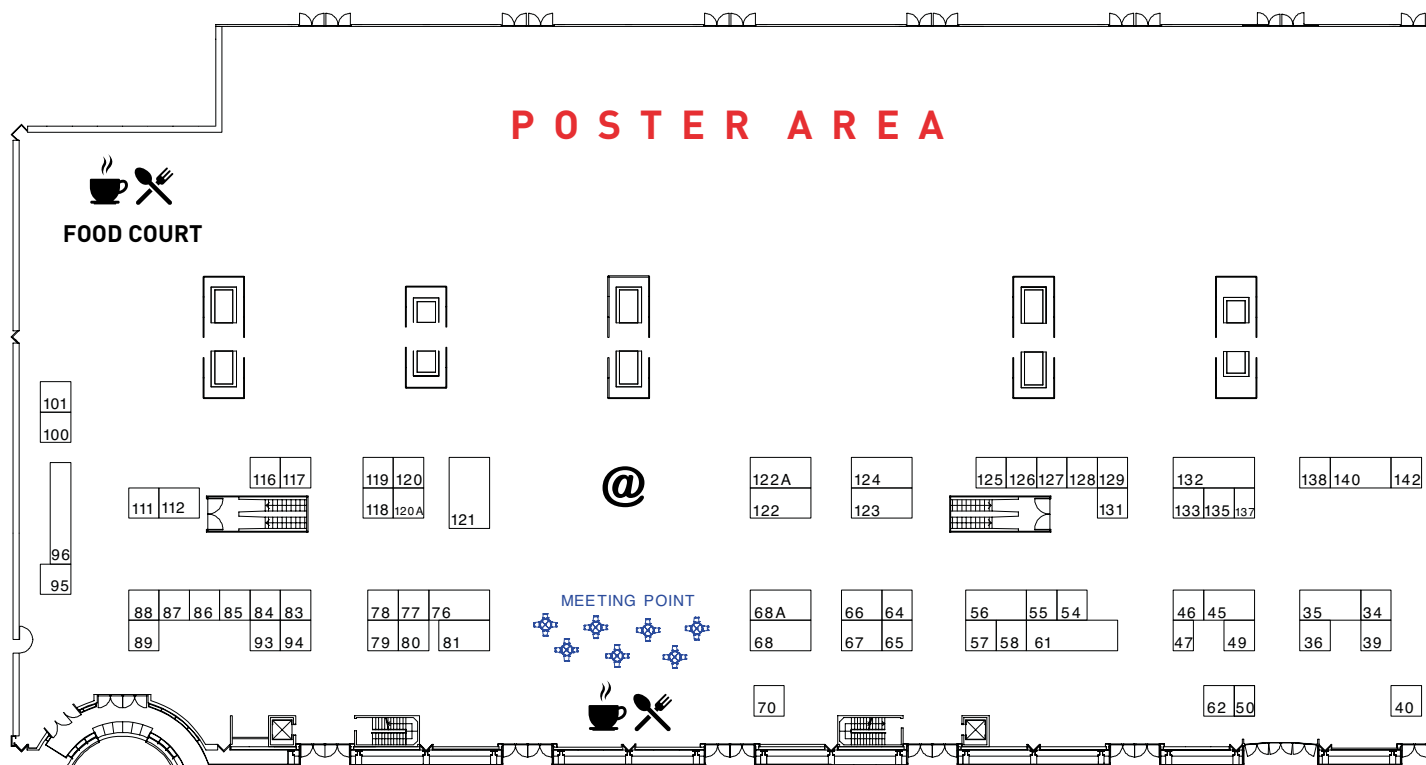
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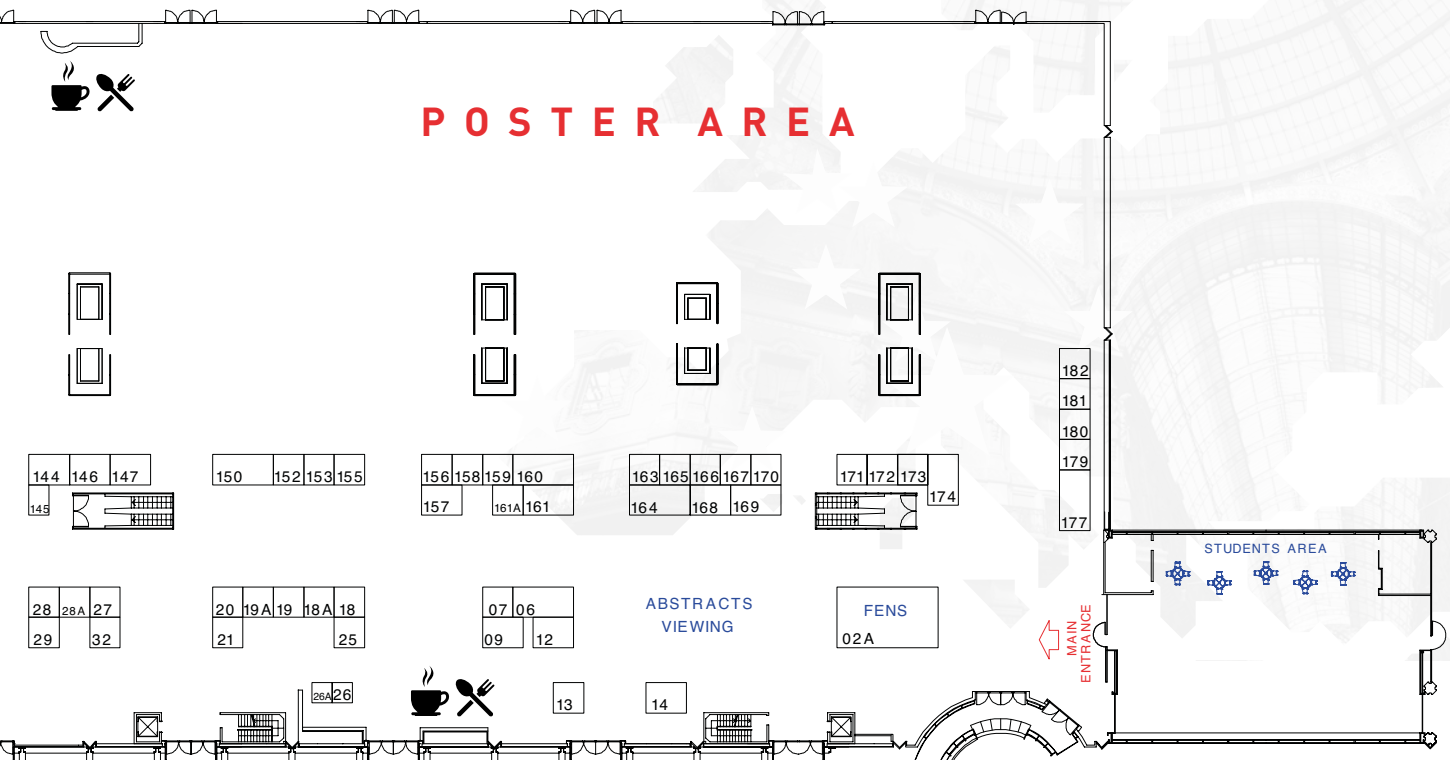
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3DHISTECH Ltd.	79	Carl Zeiss Microscopy GmbH	125	Fine Science Tools	161
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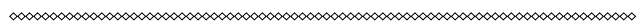


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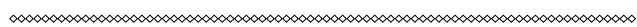


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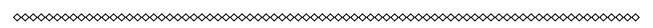
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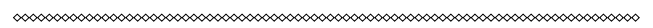


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Chinese Neuroscience Society

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www.cns.org.cn; www.neurosci.cn



Chinese Neuroscience Society (CNS) was founded in 1995 with more than 4,000 active members from universities, research institutes and hospitals over China. The 11th CNS Biennial National Conference and 6th FAONS Congress will be held in September 2015 in Wuzhen, China. We look forward to welcoming neuroscientists from Asian-Pacific area and other regions. Neuroscience Bulletin (NB) was founded in 2006, is the official, bimonthly journal of the CNS published by Springer. NB publishes original research articles on basic and clinical neuroscience, and Reviews, Research Highlights, Perspectives, Brief Communications, and Methods.

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CrestOptics is a Manufacturing Company with the mission to develop advanced methodologies and equipment aimed at the MicroBiology Research and Material Sciences. The Production and Research area is located in Rome, with a plant of > 1000 SQM. The first Company milestone (2009), has been the development and manufacturing of the Advanced Confocal Attachment ‘X-Light’, based on state of the art solutions in spinning disk technology, optics and engineering. Two international patent are part of this development. Our Confocal Head Systems connect to the most common fluorescence microscopes from all vendors like Nikon, Olympus, Leica and Zeiss.

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DSI is a pioneering biomedical research company focused on systems physiology and pharmacology. The recognized global leader in physiologic monitoring, DSI offers telemetry, instrumentation, software and services that help advance science. DSI serves many industries including: Pharmaceuticals, Academia, Contract Research Organizations, Biological and Chemical Defense, the Medical Device Industry, Government, and Biotechnology companies. We offer solutions that are tailored specifically to meet the unique research needs of our customers

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Digitimer designs and manufactures scientific instrumentation for research & clinical environments. We offer our modular NeuroLog electrophysiology system for intracellular, extracellular and multi-channel isolated amplification as well as stimulation and pulse generation. We also manufacture a wide range of electrical stimulators for many applications, including some certified for human use. Digitimer represents companies that produce complementary equipment, including: AutoMate Scientific (perfusion systems), Axelgaard (electrodes), Harvard/Medical Systems (injectors and tissue chambers), HEKA Elektronik (patch-clamp/voltammetric amplifiers and software), Narishige (micro-manipulators, injectors and pipette pullers), Scientific Systems Design (temperature controlled tissue/slice chambers), ThorLabs (anti-vibration tables) and Quest Scientific (HumBug Noise Eliminator).

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www.paris-neuroscience.fr



The ENP is a scientific foundation created in 2007, bringing together 112 teams from 22 research centers, that has become a unique entry-gate to the Paris-region neuroscience community. The ENP aims to promote synergy between research groups and universities, and to foster international and multidisciplinary exchanges in order to understand the brain, to treat its diseases and improve its abilities. The ENP has launched several programs supporting many fields from Neurogenetics and Neurodevelopment, Neurophysiology and Systems Neuroscience, Cognitive Neurosciences Neuropsychology and Neuroeconomy, Computational Neuroscience and Neural theory, Neurological and Psychiatric diseases, Neuropharmacology and Cell signaling, to Physics Technology and Robotics.

ECNP

Bolognalaan 28
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The Netherlands

www.ecnp.eu / www.ecnp-congress.eu



ECNP is an independent scientific association dedicated to the science and treatment of disorders of the brain. It is the largest non-institutional supporter of applied and translational neuroscience research and education in Europe. ECNP organises a wide range of scientific and educational activities, programmes and events across Europe, promoting the exchange of high-quality experimental and clinical research and fostering young scientists and clinicians. The annual ECNP Congress is Europe's premier scientific meeting for disease-oriented brain research, annually attracting between 5,000 and 8,000 neuroscientists, psychiatrists, neurologists and psychologists from around the world.

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European Brain Council (EBC)
– Year of the Brain
 Fondation Universitaire
 11, Rue d'Egmont
 B-1000 Brussels
 Belgium
www.europeanbraincouncil.org/year-of-the-brain



The European Brain Council is a coordinating council formed by European organisations in neurology, neurosurgery, psychiatry, basic brain research (neuroscience), and patient organisations and companies from within the pharma and biotech industries.

The Year of the Brain initiative - 2014 and 2015 has a vision to protect, preserve, develop and nurture our most vital asset: 'The Brain' and has 3 main goals:

1. To educate society about how to nurture and protect the brain and prevent brain disease
2. To improve care and treatment access for those affected by brain disease
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Fine Science Tools was founded over 30 years ago and has established itself as a market leader, through a commitment to quality products, unparalleled customer service as well as providing quality European microsurgical instruments created to meet research scientists' special needs. We invite you to also visit our European website at www.finescience.de which is available in 5 languages and is fully searchable. It incorporates online ordering, an extensive FAQ section as well as links to conventions we intend to visit in the future. You will also find our latest catalogue download and our contact data.

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Femtonics focuses on the research and development of two-photon laser scanning microscopes for the booming area of (neuro) physiological investigations. Our microscopes are tuned for the fastest 2D and 3D optical measurements and are especially suited for cutting-edge brain research and pharmaceutical development. On the other hand, due to their modular nature, they can be easily adapted to suit other applications, including biophysical use. For the past one decade, the main aim and objective of Femtonics has been to create and provide uniquely novel technologies shifting to higher paradigms in the fields of advance 3D imaging.

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g.tec was founded in 1999. It is a growing enterprise with two branches in Austria, one in Spain and partners all over the world. All the development is done in-house by our team of researchers and engineers. g.tec developed the first commercially available BCI system in 1999 and now sells this system in more than 60 countries. Our products work with all major BCI approaches (motor imagery, P300, SSVEP and SCP), so you can start BCI research within a few hours.

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www.neuroschools-germany.com



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Hertie Foundation

Grüneburgweg 105
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Germany
www.ghst.de



The Hertie Foundation is active in pre-school, school, university and neurosciences. It is the second largest private patron of brain research in Europe and the largest in Germany. In the Neurosciences field the Hertie Foundation seeks to further research in the neurosciences and especially the fight against diseases of the brain. The Hertie Institute for Clinical Brain Research in Tübingen, that was established in 2002 together with the University of Tübingen, is the largest neuroscientific project of the foundation. The foundation announces in cooperation with FENS the Eric Kandel Young Neuroscientists Prize.

Human Brain Project

EPFL- Blue Brain Project
Innovation Quarter
Building J 3rd Floor
CH-1015 Lausanne
Switzerland

www.humanbrainproject.eu



With over 100 institutions, more than 20 countries, 3 research areas and 13 subprojects – the Human Brain Project, which began on October 1, 2013, is one of the European Union's two FET Flagship Programmes – one billion euro, ten-year projects addressing fundamental scientific challenges with a potentially very large social and economic impact. In the first two and a half years, the project will design, build and begin to operate a completely new ICT infrastructure for neuroscience, and for brain-related research in computing and medicine. Six tightly integrated ICT platforms will offer state of the art services in Neuroinformatics, Brain Simulation, High Performance Computing, Medical Informatics, Neuromorphic Computing and Neurorobotics.

Starting in March 2016, the project will open its platforms to the world scientific community, catalyzing a global collaborative effort to reach a unified understanding of the human brain and its diseases and, ultimately, to emulate its computational capabilities.

IBRO (International Brain Research Organization)

255 rue Saint-Honore
Paris 75001
France

www.ibro.info



The International Brain Research Organization (IBRO) is a union of neuroscience organizations and scientific societies that work together to accelerate the progress of brain research by improving the quality of neuroscience across the world, especially in disadvantaged countries, and by increasing opportunities for collaboration. Founded in 1961, IBRO was the first international neuroscience organization, and today it remains the only organization of its kind that focuses on a truly worldwide scale. IBRO will hold its 9th World Congress of Neuroscience in Rio de Janeiro, Brazil, from July 7 to 11, 2015.

IMETRONIC

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www.imetronic.com



IMETRONIC's activity is dedicated to the conception and manufacture of equipment for behavioural tests in the fields of neurobiology, pharmacology, physiology and toxicology. Our products are entirely developed, produced, and tested on our premises (mechanics, electronics, and informatics). We ensure the installation, start-up, continued service (maintenance, hot line, spare parts), and evolution of our products.

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ISN - International Society for Neurochemistry

1-3, Rue de Chantepoulet
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www.neurochemistry.org



The International Society for Neurochemistry (ISN), is the sole international nonprofit membership organization comprised of scientists and physicians who are active in the field of neurochemistry, cell and molecular neuroscience or related areas, and committed to share knowledge, promoting multidisciplinary collaboration amongst all professionals giving them a voice within the international context.

In this endeavor ISN thrives to facilitate and foster the education and development of neuroscientists, particularly young and emerging investigators through a wide range of activities including biennial congresses, specialized conferences, grants opportunities, training programs and network opportunities with the leading experts of the neurochemistry field.

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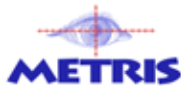
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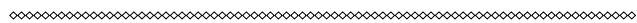
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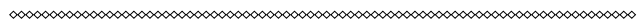
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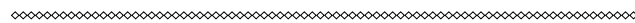
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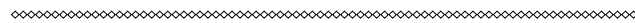
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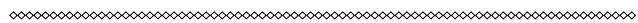
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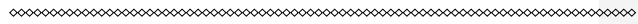
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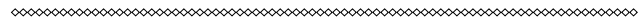
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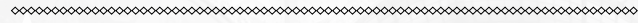
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The Spanish Society for Neuroscience (Sociedad Española de Neurociencia, SENC) and the Spanish Neurological Association (Sociedad Española de Neurología, SEN) are the largest organizations of researchers and clinicians dedicated to study the nervous system and the neurological disorders in Spain. The goals of these societies are to promote the advance in the knowledge in the fields of Neuroscience and Neurology, and the support, training and education of neuroscientists and neurologists and the public dissemination of the basic and clinical neuroscience research.

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SATURDAY, JULY 05, 2014****12:30 - 15:30****Hall G****TECHNICAL WORKSHOP:****W01: From synapses to network oscillations: High resolution recording techniques**

	Chairs: H.R. Polder (<i>Germany</i>)	1
	A. Draguhn (<i>Germany</i>)	2
12:30	MICRO-IONTOPHORESIS OF GLUTAMATE AND GABA: A USEFUL TOOL TO INVESTIGATE SYNAPTIC INTEGRATION C. Müller, S. Remy (<i>Bonn, Germany</i>)	3
13:00	RECORDING AND LABELING SINGLE NEURONS IN FREELY MOVING RATS: INSIGHTS INTO THE CELLULAR BASIS OF BEHAVIOR A. Burgalossi (<i>Berlin, Tübingen</i>)	4
13:30	NOVEL INSIGHTS INTO HUMAN NEOCORTICAL NETWORKS: PHYSIOLOGICAL AND PATHOLOGICAL OSCILLATORY STATES M. Cunningham (<i>Newcastle Upon Tyne, United Kingdom</i>)	5
14:00	OPTICAL AND ELECTROPHYSIOLOGICAL IDENTIFICATION OF CO-ACTIVE NEURONS S. Reichinnek, T. Pfeiffer, A. Draguhn, M. Both (<i>Heidelberg, Germany</i>)	6
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	P. Gorostiza (<i>Spain</i>)	10
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13:00	ANALYSIS OF NEURONAL CIRCUIT FUNCTIONS IN THE OLFACTORY SYSTEM OF ZEBRAFISH: READING AND WRITING ACTIVITY PATTERNS BY LIGHT R. Friedrich (<i>Basel, Switzerland</i>)	12
13:30	SYNAPTIC MECHANISMS OF GAIN CONTROL IN THE RETINA L. Lagnado (<i>Brighton, United Kingdom</i>)	13
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14:30	OPTICAL AND GENETIC METHODS FOR MEASURING NEURAL ACTIVITY IN THE ZEBRAFISH HABENULA E. Dreosti (<i>London, United Kingdom</i>)	15
15:00	OPTOGENETIC STRATEGIES FOR CONTROL OF BIOELECTRIC SIGNALING IN NON-EXCITABLE SOMATIC CELLS: DEVELOPMENT, REGENERATION, AND CANCER D. Adams, M. Levin (<i>Medford, USA</i>)	16

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	Chairs: T.W. Margrie (<i>United Kingdom</i>)	17
	A. Frick (<i>France</i>)	18
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13:00	CONNECTING THE FLASHING DOTS: WHAT IS THE BIG PICTURE OF CORTICAL CIRCUITS? K.A.C. Martin (<i>Zürich, Switzerland</i>)	20
13:30	MAPPING SYNAPTIC FUNCTION AND CONNECTIVITY IN CORTICAL CELLS T.W. Margrie (<i>London, United Kingdom</i>)	21
14:00	COMBINING RETROVIRUS AND RABIES VIRUS TO STUDY NEW CELL INTEGRATION INTO AN EXISTING CIRCUIT H. Van Praag (<i>Baltimore, USA</i>)	22
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15:00	THE BRAINBOW HERPESVIRUS - EXPANDING THE VIRAL NEURONAL TRACING TOOLBOX O. Kobiler, L.W. Enquist, J.P. Card (<i>Tel Aviv, Israel</i>)	24

12:30 - 15:30

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	Chair: A. El Hady (<i>Germany</i>)	25
12:30	OPTIMAL CONTROL OF THE BASAL GANGLIA - A PROMISING APPROACH IN THERAPY OF NEUROLOGICAL AND PSYCHIATRIC DISORDERS H. Bergman (<i>Jerusalem, Israel</i>)	26
13:00	HEBBIAN LEARNING RULES AND CONTROL THEORETIC INVERSE MODELS R. Hahnloser (<i>Zurich, Switzerland</i>)	27
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	C. Escartin (<i>France</i>)	33
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13:00	3D IMAGING OF ASTROCYTE CA2+ DYNAMICS DURING SYNAPTIC FUNCTION IN THE ADULT BRAIN A. Volterra, N. Liaudet, E. Bindocci, C. Dürst, I. Savtchouk (<i>Lausanne, Switzerland</i>)	35
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15:00	BIDIRECTIONAL SIGNALING BETWEEN NEURONS AND ASTROCYTES IN BRAIN DEVELOPMENT, PLASTICITY, AND HOMEOSTASIS K. Murai (<i>Montreal, Canada</i>)	39
15:30	A CELLULAR STAR ATLAS: USING ASTROCYTES FROM HUMAN PLURIPOTENT STEM CELLS FOR DISEASE STUDIES E. Ullian, K. Hokanson, G. Rooney, R. Krencik (<i>San Francisco, USA</i>)	40

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	Chairs: A. Barco (<i>Spain</i>)	41
	A. Boutillier (<i>France</i>)	42
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14:00	USING NEXT GENERATION SEQUENCING TECHNOLOGIES TO DEFINE THE EPIGENOMIC AND TRANSCRIPTOMIC LANDSCAPE OF LEARNING T. Abel (<i>Philadelphia, USA</i>)	46
14:30	NEOCORTICAL TET3-MEDIATED DNA HYDROXYMETHYLATION PROMOTES RAPID BEHAVIORAL ADAPTATION T.W. Bredy (<i>Brisbane, Australia</i>)	47
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Hall A

SPECIAL INTEREST EVENT:

SiE01: EJN Special Feature - Modern neurocircuitry analysis

Chairs: J. Fritschy (*Switzerland*)

49

M. Sarter (*USA*)

50

15:45 **SYNAPTIC ORGANISING COMPLEXES: MOLECULAR TRIGGERS FOR SYNAPSE DEVELOPMENT**

51

A.M. Craig (*Vancouver, Canada*)

16:15 **THE MECHANISMS AND MEANING OF NEOCORTICAL DYNAMICS**

52

C.I. Moore (*Providence, USA*)

16:45 **CONNECTIVITY-BASED BRAIN MAPPING**

53

M. Tittgemeyer (*Cologne, Germany*)

17:15 - 18:00

Hall A

OPENING CEREMONY:

17:15 **WELCOME BY THE HOST SOCIETY COMMITTEE CHAIR AND SINS**

54

Marina Bentivoglio, HSC/SINS

17:20 **WELCOME BY THE MUNICIPALITY OF MILAN**

55

Pierfrancesco Majorino

17:25 **WELCOME BY THE REGION OF LOMBARDY**

56

Mario Melazzini

17:30 **MUSICAL WELCOME BY "FANFARA DEL COMANDO I^ REGIONE AEREA DELL'AERONAUTICA MILITARE ITALIANA"**

17:50 **WELCOME BY THE FENS PRESIDENT**

57

Marian Joëls

18:00 - 19:00

Hall A

PLENARY LECTURE:

PL01: Kavli Foundation Lecture

Introducer: M. Joëls (*The Netherlands*)

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REWARD, VALUE AND PSYCHOPATHOLOGY

59

R. Dolan (*London, United Kingdom*)

19:00 - 22:00

Hall F

NETWORKING EVENT:

**Symposium in honour of the late Ferdinando Rossi:
A passionate journey through the cerebellar mysteries**

All Day

Hall B

NETWORKING EVENT:

History Corner exhibition

All Day

Hall B

NETWORKING EVENT:

The Smile of the Mind exhibition

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**SCIENTIFIC PROGRAMME
SUNDAY, JULY 06, 2014**

8:30 - 9:30

Hall A

PLENARY LECTURE:

PL02: Temporal expectations: the fourth dimension in attention

Introducer: S. Huck (*Austria*)

60

TEMPORAL EXPECTATIONS: THE FOURTH DIMENSION IN ATTENTION

61

A. Nobre (*Oxford, United Kingdom*)

9:45 - 11:15

Hall G

SYMPOSIUM:

S01: Emergent concepts in axon guidance

Chairs: A. Kania (*Canada*)

62

E. Herrera (*Spain*)

63

9:50 **MULTIPLE MOLECULAR CROSS-TALKS ACT AT THE MIDLINE TO REGULATE COMMISSURAL AXON NAVIGATION**

64

V. Castellani (*Villeurbanne, France*)

10:10 **TRANSCRIPTIONAL CONTROL OF AXON MIDLINE AVOIDANCE IN THE CNS**

65

E. Herrera (*Alicante, Spain*)

10:30 **WHAT AXONS TELL EACH OTHER: AXON-AXON SIGNALING IN PERIPHERAL NERVE AND CIRCUIT ASSEMBLY**

66

T. Marquardt (*Göttingen, Germany*)

10:50 **EPHRINB3/EPHA4 SIGNALING PROMOTES THE FORMATION OF MAJOR ASCENDING AND DESCENDING SPINAL PROJECTIONS**

67

R. Klein (*Munich-Martinsried, Germany*)

9:45 - 11:15

Hall I

SYMPOSIUM:

S02: Glutamate-dopamine cross-talk: from signaling pathways to disease

Chair: C. Bellone (*Switzerland*)

68

9:50 **POSTNATAL SYNAPTIC MATURATION OF GLUTAMATERGIC TRANSMISSION IN THE MESOLIMBIC SYSTEM**

69

C. Bellone (*Geneve, Switzerland*)

10:10 **THE SMALL GTP-BINDING PROTEIN RHES MODULATES STRIATAL DOPAMINERGIC TRANSMISSION**

70

A. Usiello (*Naples, Italy*)

10:30 **PHYSIOPATHOLOGICAL CROSS-TALK BETWEEN DA AND NMDA RECEPTORS IN STRIATAL MEDIUM SPINY NEURONS**

71

F. Gardoni (*Milan, Italy*)

10:50 **DOPAMINE-GLUTAMATE RECEPTOR INTERPLAY IN THE STRIATUM MODULATES MOLECULAR, STRUCTURAL AND BEHAVIORAL RESPONSES TO COCAINE**

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P. Vanhoutte, E. Cahill, V. Pascoli, P. Trifilieff, C. Lüscher, J. Caboche (*Paris, France*)

9:45 - 11:15

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	A. Contractor <i>(USA)</i>	84
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International Society for Serotonin Research Social Gathering

Venue: Milano, Via Procaccini 37



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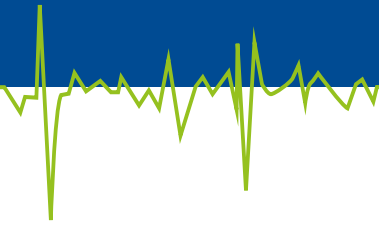
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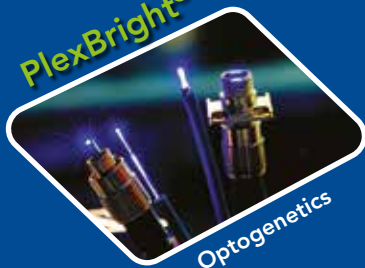
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G007	SUN 6/7/2014, 13:30 - FENS-2922 DYNAMIC PATTERN DESIGN - A NEW TOOL FOR IN SITU GUIDANCE OF NEURITES H. Dermutz, R. Grüter, A. Truong, L. Demko, T. Zambelli, J. Vörös (<i>Zurich, Switzerland</i>)	1166

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G009	SUN 6/7/2014, 13:30 - FENS-3447 MOLECULAR ANNOTATION OF DEFINED NEURAL POPULATIONS USING VIRAL TRAP A. Nectow, M. Ekstrand, J. Friedman (<i>New York, USA</i>)	1168
GO4: PHYSIOLOGICAL METHODS - ELECTROPHYSIOLOGY		
G010	SUN 6/7/2014, 14:30 - FENS-1517 SUBCELLULAR CHEMICAL STIMULATION OF NEURONAL CULTURES USING THE FLUIDFM NANOPIPETTE COMBINED WITH MEA RECORDING M.J. Aebersold, H. Dermutz, J.F. Saenz Cogollo, L. Demkó, T. Zambelli, J. Vörös (<i>Zürich, Switzerland</i>)	1169
G011	SUN 6/7/2014, 13:30 - FENS-1763 ALZHEIMER'S DISEASE (AD) IN-VITRO MODEL: A NOVEL DRUG SCREENING APPROACH ON 4096-MICROELECTRODE RECORDING ARRAYS H. Amin, A. Maccione, T. Nieuw, L. Berdondini (<i>Genova, Italy</i>)	1170
G012	SUN 6/7/2014, 14:30 - FENS-3288 A HIGH-RESOLUTION EXPERIMENTAL PLATFORM FOR LARGE-SCALE RECORDING OF LIGHT-EVOKED RESPONSES IN THE RETINAL GANGLION CELL LAYER S. Di Marco, A. Maccione, T. Nieuw, M. Hennig, S. Pirmoradian, G. Hilgen, E. Sernagor, L. Berdondini (<i>Genova, Italy</i>)	1171
G013	SUN 6/7/2014, 13:30 - FENS-1782 DIFFERENTIATION AND FUNCTIONAL INTEGRATION OF ADULT-BORN HIPPOCAMPAL NEURONS: A STUDY ON HIGH-RESOLUTION MICROELECTRODE ARRAYS (MEA) A. Simi, A. Maccione, T. Nieuw, D. De Pietri Tonelli, L. Berdondini (<i>Genova, Italy</i>)	1172
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G018	SUN 6/7/2014, 14:30 - FENS-3026 EFFECTS OF TRANSCRANIAL STATIC MAGNETIC FIELD STIMULATION (TSMS) OVER THE HUMAN VISUAL CORTEX: BEHAVIOURAL AND ELECTROPHYSIOLOGICAL EFFECTS J. Gonzalez-Rosa, V. Soto-Leon, P. Real, G. Foffani, B. Strange, A. Oliviero (<i>Madrid, Spain</i>)	1177

13:30 - 15:30		Poster Area
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G022	SUN 6/7/2014, 14:30 - FENS-1516 SELINE, A NEW SELF-OPENING ELECTRODE TO INTERFACE THE NERVOUS SYSTEM J. Del Valle, A. Cutrone, S. Bossi, J. Badia, D. Santos, J. Jaramillo, S. Micera, X. Navarro (<i>Barcelona, Spain</i>)	1181
G023	SUN 6/7/2014, 13:30 - FENS-2941 FROM AXONAL GUIDANCE TO HYBRID NETWORKS WITH CONTROLLED TOPOLOGY L. Demko, C. Forró, H. Dermutz, J. Vörös (<i>Zurich, Switzerland</i>)	1182
G024	SUN 6/7/2014, 14:30 - FENS-1382 CURRENT SOURCE DENSITY ANALYSIS OF NEURONAL ACTION POTENTIALS RECORDED WITH TWO-DIMENSIONAL, HIGH CONTACT DENSITY SILICON PROBES R. Fiáth, K. Kocsis, P. Beregszászi, I. Ulbert (<i>Budapest, Hungary</i>)	1183
G025	SUN 6/7/2014, 13:30 - FENS-3093 ELECTROPHYSIOLOGICAL CORRELATES OF CEREBRAL BLOOD FLOW IN INTRACRANIAL ARTERIES OF HEALTHY SUBJECTS V. Fokin, N. Ponomareva, G. Kuntcevitch (<i>Moscow, Russia</i>)	1184
G026	SUN 6/7/2014, 14:30 - FENS-2895 MULTIFUNCTIONAL FLEXIBLE NEURAL PROBES FOR BRAIN MACHINE INTERFACES U. Froriep, A. Canales, X. Jia, C. Lu, R. Koppes, C. Tringides, J. Selvidge, Y. Fink, P. Anikeeva (<i>Cambridge, USA</i>)	1185
G027	SUN 6/7/2014, 13:30 - FENS-3092 BRAINLEAP CONSORTIUM: DEVELOPMENT OF NOVEL MICROELECTRODES FOR MEASURING SUBTHRESHOLD MEMBRANE POTENTIALS L. Gentet, S. Ferraina, M. Giugliano, R. Samba, M. Spira (<i>Lyon, France</i>)	1186

9th FENS FORUM OF NEUROSCIENCE

Milan | Italy July 5–9, 2014

Organised by the Federation of European
Neuroscience Societies | FENS

Hosted by the Società Italiana
di Neuroscienze | SINS

SCIENTIFIC PROGRAMME
Monday, 7th July

www.fens.org/2014

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Neuroscience
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**SCIENTIFIC PROGRAMME
MONDAY, JULY 07, 2014****8:30 - 9:30****Hall A****PLENARY LECTURE:****PL04: Plenary Lecture**Introducer: S. Arber (*Switzerland*)

1187

NEUROMODULATION OF BRAIN STATES

1188

Y. Dan (*Berkeley, USA*)**9:45 - 11:15****Hall D****SYMPOSIUM:****S17: Human brain development and evolution: new approaches and emerging concepts**Chair: F. Polleux (*USA*)

1189

9:50 GENES EXPRESSED BY HUMAN CORTICAL RADIAL GLIA HELP EXPLAIN DEVELOPMENTAL AND EVOLUTIONARY CORTICAL EXPANSION

1190

A. Kriegstein, J. Lui, A. Pollen, B. LaMonica, T. Nowakowski, M. Oldham (*San Francisco, USA*)**10:10 CORTICAL NEUROGENESIS AND BRAIN EVOLUTION**

1191

P. Vanderhaeghen (*Brussels, Belgium*)**10:30 ROLE OF SRGAP2 AND ITS HUMAN-SPECIFIC PARALOGS IN SYNAPTIC MATURATION**

1192

C. ChARRIER (*Paris, France*)**10:50 GENETIC STUDIES OF HUMAN CEREBRAL CORTICAL DEVELOPMENT**

1193

C. Walsh, B.I. Bae, I. Tietjen (*Boston, USA*)**9:45 - 11:15****Hall F****SYMPOSIUM:****S18: Oxytocin and vasopressin: anatomical and molecular pathways to modulate brain circuits and behavior**Chairs: V. Grinevich (*Germany*)

1194

B. Chini (*Italy*)

1195

9:50 VIRAL VECTORS FOR ANATOMY AND PHYSIOLOGY OF HYPOTHALAMIC NEUROPEPTIDES IN MAMMALS

1196

V. Grinevich (*Heidelberg, Germany*)**10:10 ZEBRAFISH AS A MODEL TO STUDY THE ANATOMY AND FUNCTION OF HYPOTHALAMO-NEUROHYPOPHYSEAL NEURONS**

1197

G. Levkowitz, S. Anbalagan, J. Biran, J. Blechman, M. Glikberg, E. Mishor, M. Tahor, E. Wircer, L. Wolchek (*Rehovot, Israel*)**10:30 NEW PHARMACOLOGICAL TOOLS: FLUORESCENT ANALOGS TO PROBE RECEPTOR DIMERS IN VIVO**

1198

T. Durroux (*Montpellier, France*)**10:50 ROLE OF OXYTOCIN AND VASOPRESSIN IN ANXIETY AND FEAR RESPONSES**

1199

R. Stoop (*Prilly, Switzerland*)

9:45 - 11:15

Hall J

SYMPOSIUM:

S19: Glia in neuronal information processing: from synapses to behaviour.

	Chair: N. Rouach (<i>France</i>)	1200
9:50	THE ROLE OF ASTROCYTE-SECRETED FACTORS IN THE FORMATION OF FUNCTIONAL EXCITATORY SYNAPSES N. Allen (<i>La Jolla, USA</i>)	1201
10:10	GLIAL CELLS DECODE AND ALTER TRANSMITTER RELEASE OF COMPETING TERMINALS AT MAMMALIAN NEUROMUSCULAR SYNAPSE R. Robitaille, H. Darabid (<i>Montreal, Canada</i>)	1202
10:30	UNRAVELING THE ROLE OF ASTROGLIAL CONNEXINS IN SYNAPTIC STRENGTH AND MEMORY N. Rouach (<i>Paris, France</i>)	1203
10:50	THE ROLE OF GLIAL TRANSMITTER RECEPTORS IN VIVO F. Kirchhoff (<i>Homburg, Germany</i>)	1204

9:45 - 11:15

Hall C

SYMPOSIUM:

S20: Neurobiological and neurogenetic bases of the link between sleep, stress and depression.

	Chairs: F. Holsboer (<i>Germany</i>)	1205
	L. Imeri (<i>Italy</i>)	1206
9:50	HYPOCRETIN NEURONS AT THE INTERFACE OF SLEEP AND MOOD REGULATION V. Fabre, A. Rachalski, S.J. Lin, M. Hamon, G. Vojdani, J. Adrien (<i>Paris, France</i>)	1207
10:10	NEUROBIOLOGICAL CONSEQUENCES OF CHRONICALLY DISRUPTED SLEEP P. Meerlo (<i>Groningen, The Netherlands</i>)	1208
10:30	STUDYING REM SLEEP IN ANIMAL MODELS TO UNDERSTAND DEPRESSION IN HUMANS M. Kimura (<i>Munich, Germany</i>)	1209
10:50	CHRONOBIOLOGY OF DEPRESSION: THE ROLE OF CLOCK GENES F. Benedetti (<i>Milan, Italy</i>)	1210

9:45 - 11:15

Hall E

SYMPOSIUM:

S21: Risk factors for vulnerability to addiction.

	Chair: L. Coolen (<i>USA</i>)	1211
9:50	IMPULSIVITY IN ADDICTION: HORMONAL AND MONOAMINERGIC MECHANISMS AND TREATMENT OPPORTUNITIES T. Pattij, T.J. De Vries, A.N.M. Schoffelmeer (<i>Amsterdam, The Netherlands</i>)	1212
10:10	INSULIN-INDUCED EFFECTS IN THE VENTRAL TEGMENTAL AREA S. Borgland, S. Liu, A. Globa, F. Mills, S.X. Bamji (<i>Vancouver, Canada</i>)	1213
10:30	EFFECTS OF NATURAL REWARD EXPERIENCE AND DEPRIVATION ON DRUG REWARD L. Coolen (<i>Jackson, USA</i>)	1214
10:50	EXTENDED AMYGDALA AND HYPOTHALAMIC CIRCUITS FOR REGULATING DISTINCT MOTIVATED BEHAVIORAL STATES G. Stuber (<i>Chapel Hill, USA</i>)	1215

9:45 - 11:15

Hall I

SYMPOSIUM:**S22: In vivo functional recording of neuronal population activity.**

	Chair: B. Rózsa (<i>Hungary</i>)	1216
9:50	IN VIVO CALCIUM IMAGING OF NEURONS AND MICROGLIA IN MOUSE MODELS OF NEURODEGENERATIVE DISEASES O. Garaschuk (<i>Tübingen, Germany</i>)	1217
10:10	VISUALIZING THE DEVELOPMENT OF ON/OFF MAPS IN FERRET VISUAL CORTEX D. Fitzpatrick, G. Smith, D. Whitney (<i>Jupiter, USA</i>)	1218
10:30	IN VIVO FUNCTIONAL IMAGING HIPPOCAMPAL MICRCOCIRCUITS SUPPORTING SENSORY PROCESSING AND CONTEXTUAL LEARNING IN BEHAVING MICE A. Losonczy (<i>New York, USA</i>)	1219
10:50	FAST 3D IMAGING OF NEURAL NETWORK AND DENDRITIC ACTIVITY DURING BRAIN OSCILLATIONS IN NEARCUBICMILLIMETER VOLUME UP TO SUBMILLISECOND TEMPORAL RESOLUTION B. Rózsa, B. Chiovini, G.F. Turi, G. Katona, A. Kaszas, D. Palfi, P. Maak, G. Szalay, Z. Szadai, G. Szabo, M.F. Szabo, S.Z. Kali (<i>Budapest, Hungary</i>)	1220

9:45 - 11:15

Hall G

SYMPOSIUM:**S23: Control of goal-related actions and behavioural decision processing in the prefrontal cortex.**

	Chair: A. Genovesio (<i>Italy</i>)	1221
9:50	STRUCTURAL AND FUNCTIONAL ORGANIZATION OF THE FRONTAL ASSOCIATION CORTEX FOR GOAL-DIRECTED BEHAVIOUR E. Hoshi (<i>Tokyo, Japan</i>)	1222
10:10	ROLE OF VENTROLATERAL PREFRONTAL CORTEX IN MOTOR CONTROL OF INTENTIONAL ACTIONS. AN ANATOMO-FUNCTIONAL PERSPECTIVE S. Rozzi (<i>Parma, Italy</i>)	1223
10:30	TEMPORAL AND SPATIAL ENCODING IN PREFRONTAL CORTEX, FROM DOMAIN SPECIFICITY TO GOAL REPRESENTATION A. Genovesio (<i>Rome, Italy</i>)	1224
10:50	DEFINING THE ROLE OF PREFRONTAL CORTEX IN SENSORY DECISION-MAKING T. Pasternak (<i>Rochester, USA</i>)	1225

9:45 - 11:15

Hall H

SYMPOSIUM:

S24: Genetic analysis of neural circuits controlling reproduction.

- Chair: U. Boehm (*Germany*) 1226
- 9:50 **BRAIN CIRCUITRY IN THE METABOLIC CONTROL OF REPRODUCTION: NEW STRATEGIES, NOVEL INSIGHTS** 1227
C. Elias (*Ann Arbor, USA*)
- 10:10 **SEMAPHORINS' SIGNALING IN DEVELOPMENT AND FUNCTION OF GNRH NEURONS: SETTING THE STAGE FOR REPRODUCTION** 1228
P. Giacobini (*Lille, France*)
- 10:30 **FGF21 AS A LINK BETWEEN METABOLISM AND REPRODUCTION** 1229
N. Pitteloud (*Lausanne, Switzerland*)
- 10:50 **KISSPEPTIN NEURONS AND THE ONSET OF PUBERTY** 1230
U. Boehm (*Homburg, Germany*)

13:00 - 13:45

Hall B

SPECIAL LECTURE:

SL03: Host Society Special Lecture

- Introducer: M. Matteoli (*Italy*) 1231
- CELL BIOLOGY OF THE NEURON: MEMBRANE LIPID DYNAMICS IN THE REGULATION OF SYNAPTIC FUNCTION** 1232
P. De Camilli (*New Haven, USA*)

12:30 - 13:30

Hall C

SPECIAL INTEREST EVENT:

SiE05: Neuroscience Outreach Awards Programme Comprising the EDAB-FENS Brain Awareness Week (BAW) Excellence Award & The Dana/EDAB Neuroscience Outreach Champion

13:00 - 13:45

Hall C

SPECIAL LECTURE:

SL04: EDAB / Max Cowan Special Lecture

- Introducer: C. Blakemore (*United Kingdom*) 1233
- GENETIC AND EXTRA-GENETIC REGULATION OF CORTICAL AREA PATTERNING** 1234
D. O'Leary (*La Jolla, USA*)

13:00 - 13:45

Hall J

SPECIAL LECTURE:

SL05: Boehringer-Ingelheim / FENS Research Award

- Introducer: B. Sommer (*Germany*) 1235
- PROCESSING OF CORRELATED SYNAPTIC INPUT BY DENDRITES** 1236
J. Makara (*Budapest, Hungary*)

15:45 - 17:15

Hall D

SYMPOSIUM:**S25: Regulatory mechanisms of neuronal specification.**

	Chair: N. Flames (<i>Spain</i>)	1237
15:50	REGULATORY LOGIC OF MONOAMINERGIC TERMINAL DIFFERENTIATION N. Flames (<i>Valencia, Spain</i>)	1238
16:10	CONTROLLING CELL FATE AND CELL NUMBERS IN THE DROSOPHILA CNS S. Thor (<i>Linköping, Sweden</i>)	1239
16:30	SYNERGISTIC ACTIVITY OF TRANSCRIPTION FACTORS DURING MOTOR NEURON PROGRAMMING E. Mazzoni (<i>New York, USA</i>)	1240
16:50	SPATIO-TEMPORAL TRANSCRIPTOME OF THE HUMAN BRAIN N. Sestan (<i>New Haven, USA</i>)	1241

15:45 - 17:15

Hall F

SYMPOSIUM:**S26: Voltage-gated calcium channels and synaptic function: from basic mechanisms to disease.**

	Chair: A.C. Dolphin (<i>United Kingdom</i>)	1242
15:50	VOLTAGE-GATED L-TYPE CALCIUM CHANNELS IN BRAIN DISORDERS J. Striessnig (<i>Innsbruck, Austria</i>)	1243
16:10	LATERAL MOBILITY OF CALCIUM CHANNEL SUBUNITS IN THE NEURONAL MEMBRANE M. Heine, R. Schneider, J. Klyueva, U. Thomas, A. Voigt (<i>Magdeburg, Germany</i>)	1244
16:30	THE ROLE OF CALCIUM CHANNEL ALPHA2DELTA SUBUNITS IN CHANNEL FUNCTION AND NEUROPATHIC PAIN A. Dolphin (<i>London, United Kingdom</i>)	1245
16:50	THE ROLE OF P/Q-TYPE CALCIUM CHANNELS IN MIGRAINE D. Pietrobon (<i>Padua, Italy</i>)	1246

15:45 - 17:15

Hall J

SYMPOSIUM:**S27: Post-synaptic plasticity of GABAergic synapses.**

	Chairs: M. Kneussel (<i>Germany</i>)	1247
	A. Barberis (<i>Italy</i>)	1248
15:50	ROLE OF MUSKELIN AND RADIXIN IN TRAFFICKING AND TURNOVER OF POSTSYNAPTIC GABA-A RECEPTORS M. Kneussel (<i>Hamburg, Germany</i>)	1249
16:10	MOLECULAR MECHANISMS OF POSTSYNAPTIC POTENTIATION OF GABAERGIC SYNAPSES: A SINGLE PARTICLE TECHNIQUE APPROACH E. Petrini (<i>Genova, Italy</i>)	1250
16:30	INHIBITORY EFFECT OF THE PROLYL-ISOMERASE PIN1 ON GABAERGIC SIGNALLING IN THE HIPPOCAMPUS P. Zacchi, A.R. Antonelli, R.P. Pizzarelli, C.E. Cherubini (<i>Trieste, Italy</i>)	1251
16:50	PLASTICITY MECHANISMS AT GABAERGIC POST-SYNAPSE ARE FACILITATED BY GEPHYRIN POST-TRANSLATIONAL MODIFICATIONS S. Tyagarajan, H. Gosh, L. Auguadri, Z. Thirouin, M. Acuna, H. Wildner, S. Messner, M. Hottiger, G.E. Yevenes, H.U. Zeilhofer, J.M. Fritschy (<i>Zurich, Switzerland</i>)	1252

15:45 - 17:15

Hall C

SYMPOSIUM:

S28: RNA metabolism: what ALS/FTD has in common with other RNA-related diseases

	Chairs: P. Pasinelli (<i>USA</i>)	1253
	L. Bruijn (<i>USA</i>)	1254
15:50	RNA-BINDING PROTEIN METABOLISM IN NEURODEGENERATIVE DISEASE J.P. Taylor (<i>Memphis, USA</i>)	1255
16:10	REPEAT ASSOCIATED NON-ATG (RAN) TRANSLATION IN C9ORF72 ALS/FTD L.P.W. Ranum (<i>Gainesville, USA</i>)	1256
16:30	ROLE OF TDP-43 FUNCTION IN NEUROMUSCULAR SYNAPSIS F. Feiguin (<i>Trieste, Italy</i>)	1257
16:50	ATYPICAL TRANSLATION OF C9ORF72 GGGGCC EXPANSION TO DIPEPTIDE CONTRIBUTE TO NEURODEGENERATION Y. Lee (<i>London, United Kingdom</i>)	1258

15:45 - 17:15

Hall E

SYMPOSIUM:

S29: Glioblastoma stem cells in tumor progression and in new therapies.

	Chairs: R. Galli (<i>Italy</i>)	1259
	H. Chneiweiss (<i>France</i>)	1260
15:50	EXPLOITING GLIOMA INITIATING CELLS FOR CANCER GENE DISCOVERY R. Galli, A. Narayanan, S. Mazzoleni, F. Gagliardi, M. Cominelli, G. Bozzuto, A. Molinari, P.L. Poliani (<i>Milan, Italy</i>)	1261
16:10	METABOLIC CONTROL OF GLIOMA CELL TRANSITIONS BETWEEN STEM AND NON STEM STATES M. Junier, E.A. El-Habr, L.G. Dubois, A. Bogeas, J. Lipecka, L. Turchi, C. Ottolenghi, F.X. Lejeune, T. Virolle, H. Chneiweiss (<i>Paris, France</i>)	1262
16:30	THE ROLE OF TGFβ IN GLIOBLASTOMA-INITIATING CELLS J. Seoane (<i>Barcelona, Spain</i>)	1263
16:50	MOLECULAR PROFILING OF GLIOBLASTOMA STEM CELLS AND THEIR THERAPEUTIC TARGETING C. Beier (<i>Aachen, Denmark</i>)	1264

15:45 - 17:15

Hall G

SYMPOSIUM:

S30: Ramping up resilience: from (epi) genetics, to optogenetics and imaging.

	Chair: B. Lutz (<i>Germany</i>)	1265
15:50	THE EPIGENETICS OF THE EXPRESSION AND INHERITANCE OF BEHAVIORAL DISORDERS INDUCED BY EARLY TRAUMA IN THE MOUSE I. Mansuy (<i>Zurich, Switzerland</i>)	1266
16:10	LONG-TERM EFFECTS OF EARLY LIFE ADVERSITY: ADAPTIVE OR DETRIMENTAL? M. Schmidt (<i>Munich, Germany</i>)	1267
16:30	HOMEOSTATIC PLASTICITY OF MIDBRAIN DOPAMINE NEURONS UNDERLIES BEHAVIORAL RESILIENCE TO SOCIAL STRESS M. Han (<i>New York, USA</i>)	1268
16:50	FEAR EXTINCTION AS A KEY HUMAN RESILIENCE MECHANISM: DOPAMINERGIC CONTRIBUTIONS R. Kalisch (<i>Mainz, Germany</i>)	1269

15:45 - 17:15

Hall I

SYMPOSIUM:**S31: Basal ganglia networks in health and disease: from synapses to systems**

	Chair: G. Silberberg (<i>Sweden</i>)	1270
15:50	STRIATAL MICROCIRCUITS IN DISEASE A. Gittis, A. Soumier (<i>Pittsburgh, USA</i>)	1271
16:10	FUNCTIONAL DICHOTOMY IN THE STRIATAL-PALLIDAL AXIS P. Magill (<i>Oxford, United Kingdom</i>)	1272
16:30	FUNCTIONAL REORGANIZATION OF THE STRIATAL NETWORK IN A CUE-SPECIFIC AND LOCATION-SPECIFIC (PUTAMEN VS. CAUDATE AND VENTRAL STRIATUM) MANNER A. Adler, I. Finkes, S. Katabi, Y. Prut, H. Bergman (<i>Jerusalem, Israel</i>)	1273
16:50	SYNAPTIC PROPERTIES OF FEEDFORWARD INHIBITION BY STRIATAL FAST SPIKING INTERNEURONS G. Silberberg (<i>Stockholm, Sweden</i>)	1274

15:45 - 17:15

Hall H

SYMPOSIUM:**S32: Principles of information coding in human lateral prefrontal cortex.**

	Chair: J. Haynes (<i>Germany</i>)	1275
15:50	TASK SET AND EFFICACY OF PREFRONTAL SIGNAL TRANSMISSION K. Sakai (<i>Tokyo, Japan</i>)	1276
16:10	REPRESENTATION OF MULTIPLE TASK FEATURES IN HUMAN FRONTAL CORTEX C. Reverberi (<i>Milan, Italy</i>)	1277
16:30	FLEXIBLE CODING OF TASK RELEVANT INFORMATION IN FRONTAL AND PARIETAL CORTEX A. Woolgar (<i>North Ryde, Australia</i>)	1278
16:50	PREFRONTAL MECHANISMS OF HUMAN REASONING E. Koechlin (<i>Paris, France</i>)	1279

17:30 - 18:30

Hall A

PLENARY LECTURE:**PL05: FENS Presidential Lecture**

	Introducer: M. Joëls (<i>The Netherlands</i>)	1280
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Trisomy 21 Research Society Social Gathering

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NETWORKING EVENT:

Neuroinformatics social - networking data, tools and people

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NETWORKING EVENT:

Meet top scientists and experts from German funding organizations at a speed-dating event

Venue: Museo Nazionale della Scienza e della Tecnologia Leonardo da Vinc

19:30 - 03:00

NETWORKING EVENT:

Jump the FENS Party

Venue: Alcatraz

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B27: LIGAND GATED ION CHANNELS - ACETYLCHOLINE RECEPTORS AND G-PROTEIN LINKED RECEPTORS		
B015	MON 7/7/2014, 13:30 - FENS-0750 MODULATION OF THALAMOCORTICAL GLUTAMATERGIC TRANSMISSION BY PRESYNAPTIC SEROTONIN 2A RECEPTORS. C. Becamel, A. Barre, D. De Bundel, C. Berthoux, E. Valjent, J. Bockaert, P. Marin (<i>Montpellier, France</i>)	1853
B016	MON 7/7/2014, 14:30 - FENS-1355 NEURONAL GIRK CHANNEL ACTIVITY IS REGULATED BY PALMITATE TURNOVER M. Chisari, L. Jia, C. Sobieski, S. Mennerick, K.J. Blumer (<i>Catania, Italy</i>)	1854
B017	MON 7/7/2014, 13:30 - FENS-1844 NICOTINE-MODULATED SUBUNIT STOICHIOMETRY AFFECTS STABILITY AND TRAFFICKING OF ALPHA3BETA4 NICOTINIC RECEPTOR S. Colombo, F. Mazzo, F. Pistillo, A. Crespi, F. Clementi, G. Grazioso, N. Borgese, C. Gotti (<i>Milano, Italy</i>)	1855
B018	MON 7/7/2014, 14:30 - FENS-3762 ANALOGS OF 3-PYRIDYL ETHER AS POTENTIAL NEW LIGANDS WITH HIGH AFFINITY AND EFFICACY AT SELECTIVE NACHRS M. Dávila-García, A. Ogunjirin, J. Fortunak, L. Brown, Y. Xiao (<i>Washington, USA</i>)	1856
B019	MON 7/7/2014, 13:30 - FENS-1021 CHRONIC NICOTINE EXPOSURE AND/OR ABSTINENCE REGULATES NICOTINIC RECEPTOR SUBTYPE EXPRESSION IN MOUSE BRAIN F. Fasoli, M. Moretti, F. Pistillo, V. Mucchietto, M. Marks, F. Clementi, C. Gotti (<i>Milano, Italy</i>)	1857
B020	MON 7/7/2014, 14:30 - FENS-1213 MONKEY ADRENAL CHROMAFFIN CELLS EXPRESS ALPHA6BETA4 NICOTINIC ACETYLCHOLINE RECEPTORS J. Hone, A. Hernandez-Vivanco, M. Scadden, B. Carmona-Hidalgo, J.M. McIntosh, A. Albillos (<i>Madrid, Spain</i>)	1858
B021	MON 7/7/2014, 13:30 - FENS-0183 ALPHA 7 SUBUNIT CONTAINING NICOTINIC ACETYLCHOLINE RECEPTORS MEDIATE CONTRACTIONS OF MUSCLES RESPONSIBLE FOR SPACE POSITIONING OF THE SNAIL TENTACLE N. Krajcs, L. Hernádi, T. Kiss (<i>Tihany, Hungary</i>)	1859

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B023	MON 7/7/2014, 13:30 - FENS-1215 THE REGULATORY REGIONS OF THE CHR7A7 GENE, THE ALFA7 NICOTINIC ACETYLCHOLINE RECEPTOR SUBUNIT DUPLICATE FORM, INVOLVED IN THE CHOLINERGIC ANTI-INFLAMMATORY PATHWAY A. Maroli, D.M. Fornasari, R.B. Benfante (<i>Milano, Italy</i>)	1861
B024	MON 7/7/2014, 14:30 - FENS-3585 A NEW ADENYLYL-CYCLASE INVOLVED IN DROSOPHILA MELANOGASTER OLFACTORY ASSOCIATIVE MEMORY P. Musso, L. Ajuria, N. Gervasi, T. Preat, P. Tchenio (<i>Paris, France</i>)	1862
B025	MON 7/7/2014, 13:30 - FENS-1470 CHANGES IN GLUTAMATE RECEPTORS EXPRESSION IN THE MESOLIMBIC PATHWAY DURING NICOTINE EXPOSURE AND WITHDRAWAL F. Pistillo, F. Fasoli, M. Moretti, M. Marks, F. Clementi, C. Gotti (<i>Milano, Italy</i>)	1863
B026	MON 7/7/2014, 14:30 - FENS-2356 NICOTINIC ACH RECEPTORS (NACHRS) IN THE HABENULAR-INTERPEDUNCULAR COMPLEX: SUBUNIT COMPOSITION AND FUNCTION ON THE RELEASE OF ACH AND NORADRENALINE P. Scholze, F. Beiranvand, C. Zlabinger, S. Huck (<i>Vienna, Austria</i>)	1864
B28: ION CHANNELS - SODIUM CHANNELS		
B027	MON 7/7/2014, 13:30 - FENS-2156 FUNCTIONAL IMPLICATIONS AND IONIC BASIS OF DEPOLARIZING AFTERPOTENTIALS IN MEDIAL ENTORHINAL CORTEX LAYER-II STELLATE CELLS C. Alessi, A. Raspanti, J. Magistretti (<i>Pavia, Italy</i>)	1865
B028	MON 7/7/2014, 14:30 - FENS-2644 SODIUM CHANNELS CONTRIBUTE TO POSTSYNAPTIC SIGNALLING AT THE GLUTAMATERGIC MITRAL CELL TO GRANULE CELL SYNAPSE OF THE MAMMALIAN OLFACTORY BULB V. Egger, B. Rozsa, G. Katona, W.G. Bywalez (<i>Regensburg, Germany</i>)	1866
B029	MON 7/7/2014, 13:30 - FENS-1175 MECHANISM OF SLOW REPRIMING OF VOLTAGE-GATED NA CHANNELS BY LOCAL ANESTHETICS V. Gawali, P. Lukacs, L. Rubi, X. Koenig, K. Hilber, H. Todt (<i>Vienna, Austria</i>)	1867
B030	MON 7/7/2014, 14:30 - FENS-0864 TUNING NEURONAL EXCITABILITY THROUGH MODULATION OF VOLTAGE GATED SODIUM CHANNELS: A DYNAMIC CLAMP STUDY D. Kaplan, E.A. Thomas, C.A. Reid, E. Skafidas, S. Petrou (<i>Parkville, Australia</i>)	1868
B031	MON 7/7/2014, 13:30 - FENS-0286 THALAMOCORTICAL HYPEREXCITABILITY AND HIGH FREQUENCY OSCILLATIONS (HFOS) INDUCED BY HYPOEXCITABILITY OF GABAERGIC NEURONS IN A GEFS+ NAV1.1 KNOCK-IN MOUSE MODEL J. Lavigne, C. Liautard, U. Hedrich, D. Kirschenbaum, A. Escayg, H. Lerche, M. Mantegazza (<i>Valbonne, France</i>)	1869
B032	MON 7/7/2014, 14:30 - FENS-3631 KIDINS220/ARMS IS A NOVEL MODULATOR OF VOLTAGE-GATED SODIUM CHANNEL ISOFORM 1.2 (NAV1.2) A. Mohanty, J. Scholz-Starke, E. Ferrea, F. Benfenati, F. Cesca (<i>Genova, Italy</i>)	1870

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B034	MON 7/7/2014, 14:30 - FENS-1607 WIDESPREAD REDUCTION OF GABAERGIC INHIBITION IN HIPPOCAMPAL CIRCUITS OF NAV1.1+/- KNOCK-OUT MICE, ANIMAL MODEL OF DRAVET SYNDROME P. Scalmani, G. Bechi, S. Franceschetti, M. Mantegazza <i>(Milano, Italy)</i>	1872
B035	MON 7/7/2014, 13:30 - FENS-2002 MODELING DISTINCT MODES OF ACTIONS FOR SODIUM CHANNEL INHIBITORS A. Szabó, R. Karoly, N. Lenkey, A. Mike <i>(Budapest, Hungary)</i>	1873
B036	MON 7/7/2014, 14:30 - FENS-1831 BIOPHYSICAL PROPERTIES OF VERATRIDINE, BIOALLETHRINE AND BETA-POMPILIDOTOXIN ON NAV1.1 SODIUM CHANNELS N. Von Schoubye, U. Kristiansen, N.O. Dalby, M. Grunnet, H.S. Jensen, T. Jespersen <i>(Copenhagen, Denmark)</i>	1874
B29: ION CHANNELS - OTHER		
B037	MON 7/7/2014, 13:30 - FENS-0104 BINDING AND REGULATION OF HYPERPOLARIZATION-ACTIVATED CYCLIC NUCLEOTIDE-GATED (HCN)1 CHANNELS BY NEDD4-2 R. Bender, W. Wilkars, J. Wollberg, E. Mohr, R. Bähring <i>(Hamburg, Germany)</i>	1875
B038	MON 7/7/2014, 14:30 - FENS-0411 DOWNREGULATION OF KV1.2 PRIME CA3 PYRAMIDAL CELLS FOR MEMORY FORMATION AT PP SYNAPSES K. Eom, J.H. Hyun, W.K. Ho, S.H. Lee, M.H. Kim <i>(Seoul, Korea)</i>	1876
B039	MON 7/7/2014, 13:30 - FENS-0649 PALMITOYLATION OF TRPML3 REGULATES ITS SURFACE EXPRESSION AND MEMBRANE TRAFFICKING IN AUTOPHAGY H. Kim, D. Kim, M. Kim <i>(Suwon, Korea)</i>	1877
B040	MON 7/7/2014, 14:30 - FENS-1731 THE HYPERPOLARIZATION-ACTIVATED CURRENT IN THE INTEGRATION OF SYNAPTIC INPUTS IN MIDBRAIN DOPAMINE NEURONS R. Narducci, E. Landucci, A. Dilaghi, F. Moroni, G. Mannaioni, A. Masi <i>(Florence, Italy)</i>	1878
B041	MON 7/7/2014, 13:30 - FENS-2390 AMINOGLYCOSIDES INHIBIT 1A AND 1B ACID SENSING IONIC CHANNELS (ASIC) HOMOMERS EXPRESSED IN CHO CELLS A. Ortega-Ramírez, K. Pérez-Tierra, M.A. Gandini, R. Félix, R. Vega, E. Soto <i>(Puebla, Mexico)</i>	1879
B042	MON 7/7/2014, 14:30 - FENS-1935 TRPV2 CHANNELS REGULATE SPONTANEOUS GABA RELEASE IN THE RAT ANTERIOR HYPOTHALAMUS O. Skiteva, M. Druzin, S. Johansson <i>(Umeå, Sweden)</i>	1880
B043	MON 7/7/2014, 13:30 - FENS-1966 HOW TO PROPERLY MEASURE AN I-V RELATION? INTERPOLATION VERSUS RAMP METHODS AND THEIR CONSEQUENCES FOR ESTIMATED REVERSAL POTENTIALS T. Yelhekar, M. Druzin, U. Karlsson, E. Blomqvist, S. Johansson <i>(Umeå, Sweden)</i>	1881

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R. Antonelli, R. De Filippo, E. Cherubini, P. Zacchi (*Trieste, Italy*)
- B045 **MON 7/7/2014, 13:30 - FENS-2862**
PHYSIOLOGICAL ROLE OF NLGN2 IN ANXIETY PROCESSING IN MICE 1884
O. Babaev, D. Krueger-Burg, N. Brose (*Göttingen, Germany*)
- B046 **MON 7/7/2014, 14:30 - FENS-3228**
STUDY OF POSTSYNAPTIC ZINC CHANGES IN HIPPOCAMPAL CA3 AREA USING THE FLUORESCENT INDICATOR NEWPORT GREEN 1885
V. Corceiro, F.M.C. Bastos, C.M. Matias, P.J. Mendes, F.D.S. Sampaio dos Aidos, J.C. Dionisio, R.M. Quinta-Ferreira, F.J.A. Cardoso, M.E. Quinta-Ferreira (*Coimbra, Portugal*)
- B047 **MON 7/7/2014, 13:30 - FENS-2992**
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S. Ebert, B. Dejanovic, G. Schwarz (*Cologne, Germany*)
- B048 **MON 7/7/2014, 14:30 - FENS-1174**
CONTROLLED DELIVERY OF AMPA RECEPTOR-CONTAINING RECYCLING ENDOSOMES TO DENDRITIC SPINES 1887
M. Esteves da Silva, M. Adrian, C.J. Wierenga, L.C. Kapitein, C.C. Hoogenraad (*Utrecht, The Netherlands*)
- B049 **MON 7/7/2014, 13:30 - FENS-0936**
MOLECULAR DETERMINANTS FOR TARGETING OF GLUTAMATE RECEPTORS AT HIPPOCAMPAL MOSSY FIBER SYNAPSES 1888
S. Fièvre, M. Carta, F. Coussen, C. Mulle (*Bordeaux, France*)
- B050 **MON 7/7/2014, 14:30 - FENS-2736**
SNAP-25 REGULATES SPINE MORPHOGENESIS IN VITRO AND IN VIVO THROUGH THE INTERACTION WITH P140CAP AND PSD-95 1889
G. Fossati, R. Morini, I. Corradini, F. Antonucci, P. Trepte, E. Edry, V. Sherma, A. Papale, A. Savardi, D. Pozzi, P. Defilippi, J. Meier, R. Brambilla, E. Turco, K. Rosenblum, E. Wanker, N. Ziv, E. Menna, M. Matteoli (*Milan, Italy*)
- B051 **MON 7/7/2014, 13:30 - FENS-0832**
THE ROLE OF DYSTROPHIN-ASSOCIATED PROTEINS IN REGULATION OF GABAERGIC SYNAPSES 1890
S. Früh, P. Panzanelli, D. Bürgisser, S.K. Tyagarajan, J.M. Fritschy (*Zurich, Switzerland*)
- B052 **MON 7/7/2014, 14:30 - FENS-1973**
PMCA AND ITS DLG-BASED SCAFFOLD INTERACTION PARTNERS AT THE GLUTAMATERGIC NEUROMUSCULAR JUNCTION OF DROSOPHILA 1891
E. Gerecke, O. Kobler, U. Thomas (*Magdeburg, Germany*)
- B053 **MON 7/7/2014, 13:30 - FENS-3110**
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Y. Goldberg, R. Chassefeyre, J. Martínez-Hernández, F. Bertaso, N. Bouquier, M. Laporte, S. Fraboulet, A. Isaacs, L. Fagni, R. Sadoul (*Grenoble, France*)

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B055	MON 7/7/2014, 13:30 - FENS-0464 NOVEL CANONICAL STDP PARADIGM: T-LTP CAN BE INDUCED BY SIX REPETITIONS OF SINGLE PRE- AND POSTSYNAPTIC SPIKES E. Cepeda-Prado, V. Leßmann, E. Edelman (<i>Magdeburg, Germany</i>)	1894
B056	MON 7/7/2014, 14:30 - FENS-3507 ROLE OF HETEROSYNAPTIC PLASTICITY IN PREVENTING RUNAWAY SYNAPTIC DYNAMICS AND MAINTAINING SYNAPTIC COMPETITION J. Chen, M. Chistiakova, M. Volgushev, M. Bazhenov (<i>Riverside, USA</i>)	1895
B057	MON 7/7/2014, 13:30 - FENS-3557 SPIKE TIMING-DEPENDENT LTP AND LTD IN THE HIPPOCAMPUS ARE MEDIATED BY DIFFERENT NMDA RECEPTORS P. Duque Feria, Y. Andrade Talavera, O. Paulsen, A. Rodríguez Moreno (<i>Seville, Spain</i>)	1896
B058	MON 7/7/2014, 14:30 - FENS-0405 POSTSYNAPTIC FIRING PATTERN DETERMINES BDNF-DEPENDENCE AND POSTSYNAPTIC EXPRESSION LOCUS OF T-LTP IN CA1 OF THE HIPPOCAMPUS E. Edelman, E. Cepeda-Prado, V. Lessmann (<i>Magdeburg, Germany</i>)	1897
B059	MON 7/7/2014, 13:30 - FENS-2656 INHIBITORY SPIKE-TIMING DEPENDENT PLASTICITY SUPPORTS PRECISE SPIKE TIMING IN A FEEDFORWARD CIRCUIT F. Kleberg, T. Fukai, M. Gilson (<i>Wako, Japan</i>)	1898
B060	MON 7/7/2014, 14:30 - FENS-2754 A SIGNALING SCAFFOLD TO REGULATE THE GATING OF SPIKE-TIMING-DEPENDENT LONG-TERM SYNAPTIC POTENTIATION Y. Liu, L. Cui, O.M. Schlüter (<i>Göttingen, Germany</i>)	1899
B061	MON 7/7/2014, 13:30 - FENS-3461 ACTIVITY DEPENDENT PRESYNAPTIC RECEPTORS' SENSITIVITY IS ONE OF KEYS FOR SELECTIVITY OF ASSOCIATIVE SYNAPTIC PLASTICITY. T. Palikhova (<i>Moscow, Russia</i>)	1900
B062	MON 7/7/2014, 14:30 - FENS-3128 DIFFERENT APPROACHES OF ELECTRICAL STIMULATION TO INDUCE PLASTICITY ASSOCIATED CHANGES IN ACTIVITY PATTERN OF CULTURED NEURAL NETWORK A. Pimashkin, A. Gladkov, A. Lepina, I. Mukhina, V. Kazantsev (<i>Nizhny Novgorod, Russia</i>)	1901
B063	MON 7/7/2014, 13:30 - FENS-2642 ACETYLCHOLINE INFLUENCE ON SPIKE-TIMING-DEPENDENT SYNAPTIC PLASTICITY IN A HIPPOCAMPAL CA1 PYRAMIDAL NEURON MICROCIRCUIT: A COMPUTATIONAL MODELING STUDY A. Saudargiene, V. Cutsuridis (<i>Kaunas, Lithuania</i>)	1902

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B065	MON 7/7/2014, 13:30 - FENS-0605 PROFILIN ISOFORMS IN THE MOUSE HIPPOCAMPUS AND THEIR ROLE FOR SPINE PLASTICITY K. Michaelsen-Preusse, S. Zessin, A. Remus, M. Rothkegel, M. Korte (<i>Braunschweig, Germany</i>)	1904
B066	MON 7/7/2014, 14:30 - FENS-2517 SPINE MORPHOGENESIS AND PLASTICITY: THE ROLE OF THE CAPPING PROTEIN EPS8 R. Morini, S. Zambetti, L. Folladori, A. Canzi, F. Antonucci, D. Braida, M. Sala, M. Matteoli, E. Menna (<i>Milano, Italy</i>)	1905
B067	MON 7/7/2014, 13:30 - FENS-2669 ARC FUNCTIONAL NEIGHBOURHOOD IN THE NEURONAL CELL NUCLEUS K. Parobczak, I. Rutkowska-Wlodarczyk, A.A. Szczepankiewicz, T. Kanhema-Jakobsen, A. Szum, M. Schubert, R. Nair, C.R. Bramham, G.M. Wilczynski (<i>Warsaw, Poland</i>)	1906
B068	MON 7/7/2014, 14:30 - FENS-1319 CORRELATION BETWEEN ENDOPLASMIC RETICULUM DYNAMICS AND SPINE STRUCTURAL PLASTICITY A. Perez-Alvarez, T.G. Oertner (<i>Hamburg, Germany</i>)	1907
B069	MON 7/7/2014, 13:30 - FENS-0602 INHIBITION OF MMP-9 CONTROLS DENDRITIC SPINES MATURATION M. Pyskaty, L. Kaczmarek, J. Wlodarczyk (<i>Warszawa, Poland</i>)	1908
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B071	MON 7/7/2014, 13:30 - FENS-2807 SMALL CORTICAL STROKE-INDUCED FUNCTIONAL AND STRUCTURAL PLASTICITY IN THE MOUSE BARREL CORTEX J. Randall, F. Passaquay, L. Capello, S. Pagès, A. Holtmaat (<i>Geneva, Switzerland</i>)	1910
B072	MON 7/7/2014, 14:30 - FENS-1471 PREDICTING THE DYNAMICS OF CONNECTIVITY IN THE NEOCORTEX S. Rumpel, U. Yanover, Y. Loewenstein (<i>Vienna, Austria</i>)	1911
B073	MON 7/7/2014, 13:30 - FENS-3510 PERSISTENT INTERACTION BETWEEN CAMKII AND TIAM1 CONVERTS TEMPORAL CA²⁺ CODE INTO PERSISTENT CODE DURING STRUCTURAL PLASTICITY OF DENDRITIC SPINES T. Saneyoshi, T.S. Saneyoshi, Y.H. Hayashi (<i>Wako, Japan</i>)	1912
B074	MON 7/7/2014, 14:30 - FENS-0373 THE ACTIN-BINDING PROTEIN CORTACTIN IN PROCESSES OF NEURONAL PLASTICITY AND MEMORY FORMATION F. Scharkowski, K. Michaelsen-Preusse, C. Rostosky, M. O'Brien, U. Herrmann, K. Rottner, M. Korte (<i>Braunschweig, Germany</i>)	1913

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B076	MON 7/7/2014, 14:30 - FENS-1057 THE SEROTONIN RECEPTOR 7 MODULATES NEURONAL AND DENDRITIC SPINES MORPHOLOGY L. Speranza, D. Viggiano, T. Giuliano, L. Lombardi, M.E. De Stefano, G.C. Bellenchi, M. Crispino, U. Di Porzio, C. Perrone-Capano <i>(Naples, Italy)</i>	1915
B077	MON 7/7/2014, 13:30 - FENS-1816 LATERAL DIFFUSION IN SPINE NECKS: HOW EASY IS TO ENTER OR TO LEAVE THE SPINE? L. Wang, M. Renner, A. Triller <i>(Paris, France)</i>	1916
B078	MON 7/7/2014, 14:30 - FENS-0260 SYNAPTIC PLASTICITY REGULATES NETWORK WIRING J. Wiegert <i>(Hamburg, Germany)</i>	1917
B079	MON 7/7/2014, 13:30 - FENS-3394 ALUMINUM AGGREGATES THE REDUCTION OF NEUROGENESIS IN THE DENTATE GYRUS OF MICE FED HIGH-FAT DIET Y. Yoon, S.M. Nam, J.H. Kim, I.S. Lee, D.Y. Yoo, H.Y. Jung, S.S. Yi <i>(Seoul, Korea)</i>	1918
B080	MON 7/7/2014, 14:30 - FENS-1392 ROLE OF NOGO-A SIGNALLING IN REGULATING STRUCTURAL PLASTICITY AND ACTIN DYNAMICS AT INDIVIDUAL DENDRITIC SPINES IN CA3 HIPPOCAMPAL NEURONS M. Zagrebelsky, Y. Kellner, M.E. Schwab, M. Korte <i>(Braunschweig, Germany)</i>	1919
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B081	MON 7/7/2014, 13:30 - FENS-2343 FUNCTIONAL CHARACTERIZATION OF MEDIUM-SIZED SPINY NEURONS DERIVED FROM HUMAN EMBRYONIC STEM CELLS AND HUMAN FETAL CELLS E. Cesana, F. Talpo, L. Bina, F. Cobelli, B. Motta, V. Castiglioni, M. Onorati, A. Delli Carri, E. Cattaneo, M. Toselli, G. Biella <i>(Pavia, Italy)</i>	1920
B082	MON 7/7/2014, 14:30 - FENS-3605 SURPRISING ACTIVITY-DEPENDENT PLASTICITY AT THE AXON INITIAL SEGMENT OF OLFACTORY BULB DOPAMINERGIC INTERNEURONS A. Chand, E. Galliano, R. Chesters, T. Ryan, M. Grubb <i>(London, United Kingdom)</i>	1921
B083	MON 7/7/2014, 13:30 - FENS-1564 PACEMAKER NEURONS IN THE MOUSE EMBRYONIC RESPIRATORY NETWORK M. Chevalier <i>(Bordeaux, France)</i>	1922
B084	MON 7/7/2014, 14:30 - FENS-0501 MGLUR-I DEPENDENT SWITCHING OF FIRING MODE OF MESENCEPHALIC TRIGEMINAL SENSORY NEURONS G. Chung, M. Saito, T. Kawano, S. Lee, M. Takada, Y.C. Bae, S.B. Oh, Y. Kang <i>(Seoul, Korea)</i>	1923
B085	MON 7/7/2014, 13:30 - FENS-3038 THE DYNAMICAL RESPONSE PROPERTIES OF PURKINJE CELLS TO TIME VARYING INPUTS J. Couto De Oliveira, E. De Schutter, M. Giugliano <i>(Wilrijk, Belgium)</i>	1924

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B087	MON 7/7/2014, 13:30 - FENS-3586 ELECTROPHYSIOLOGICAL AND MORPHOLOGICAL POSTNATAL DEVELOPMENT OF RAT SUBSTANTIA NIGRA PARS COMPACTA DOPAMINERGIC NEURONS M. Dufour, A. Woodhouse, J. Amendola, J.M. Goillard (<i>Marseille, France</i>)	1926
B088	MON 7/7/2014, 14:30 - FENS-0893 ACTION POTENTIAL THRESHOLD OF MOTONEURONS DURING FUNCTIONAL SPINAL NEURAL NETWORK ACTIVITY R. Grigonis, R. Guzulaitis, A. Alaburda (<i>Vilnius, Lithuania</i>)	1927
B089	MON 7/7/2014, 13:30 - FENS-0820 PHYSIOLOGY AND ION CHANNEL EXPRESSION OF AXONS OF AMYGDALA PROJECTION NEURONS J. Gruendemann, V. Senn, A. Lüthi (<i>Basel, Switzerland</i>)	1928
B090	MON 7/7/2014, 14:30 - FENS-2683 DIVERGENT INTEGRATION OF SYNCHRONOUS INPUTS BETWEEN DISTAL AND PROXIMAL DENDRITES OF DENTATE GRANULE CELLS. T. Kelly, P. Bethge, V.N. Nägerl, H. Beck (<i>Bonn, Germany</i>)	1929
B091	MON 7/7/2014, 13:30 - FENS-2041 MODULATION OF TONIC FIRING AND INTRACELLULAR CALCIUM DYNAMICS BY KV3 CHANNELS IN THE RAT RETINAL GANGLION CELLS K. Kuznetsov, V. Maslov, S. Fedulova, N. Veselovskiy (<i>Kyiv, Ukraine</i>)	1930
B092	MON 7/7/2014, 14:30 - FENS-1090 CORRELATIONS BETWEEN NEURONAL SPIKE TRAINS EXAMINED UNDER RECREATED FLUCTUATING SYNAPTIC CONDUCTANCE INPUTS D. Linaro, M. Giugliano (<i>Wilrijk, Belgium</i>)	1931
B093	MON 7/7/2014, 13:30 - FENS-2419 EFFECTS OF ALTERED GANGLIOSIDE ENVIRONMENT ON THE EXPRESSION AND LOCALIZATION OF SELECTED MEBRANE PROTEINS IN MAMMALIAN NERVOUS TISSUE K. Mlinac, B. Viljetic, N. Jovanov Milosevic, R.L. Schnaar, K.H. Smalla, M. Heffer, S. Kalanj Bognar (<i>Zagreb, Croatia</i>)	1932
B094	MON 7/7/2014, 14:30 - FENS-0908 INTERNEURON DIVERSITY IN MOUSE PRESUBICULUM M. Nassar, J. Simonnet, I. Cohen, R. Miles, D. Fricker (<i>Paris, France</i>)	1933
B095	MON 7/7/2014, 13:30 - FENS-0843 VARIATIONS IN EARLY LIFE MATERNAL CARE PROGRAM MOLECULAR DETERMINANTS OF HIPPOCAMPAL PLASTICITY AND INTRINSIC EXCITABILITY H. Nguyen, T.P. Wong, M.J. Meaney (<i>Montreal, Canada</i>)	1934
B096	MON 7/7/2014, 14:30 - FENS-0668 BALANCE BETWEEN THE PROXIMAL DENDRITIC COMPARTMENT AND THE SOMA DETERMINES SPONTANEOUS FIRING RATE IN MIDBRAIN DOPAMINE NEURONS M. Park, J. Jang (<i>Suwon, Korea</i>)	1935

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B097	MON 7/7/2014, 13:30 - FENS-0113 DO THE INTRINSIC PROPERTIES OF MEDIAL ENTORHINAL CORTEX STELLATE CELLS HAVE A MODULAR ORGANIZATION? H. Pastoll, D.L.F. Garden, M.F. Nolan (<i>Edinburgh, United Kingdom</i>)	1936
B098	MON 7/7/2014, 14:30 - FENS-1556 A NOVEL SHORT-TERM CALCIUM-DEPENDENT PLASTICITY OF INTRINSIC EXCITABILITY IN THE HIPPOCAMPAL CA1 PYRAMIDAL CELLS A. Sánchez-Aguilera López, J.L. Sánchez Alonso-Mardones, M.A. Vicente Torres, L. Menéndez de la Prida, A. Colino Matilla (<i>Madrid, Spain</i>)	1937
B099	MON 7/7/2014, 13:30 - FENS-2575 CHANNEL MECHANISMS OF A HIERARCHY OF TIMESCALES ACROSS THE CEREBRAL CORTEX B. Staar, A. Bernacchia (<i>Bremen, Germany</i>)	1938
C28: ALZHEIMER'S DISEASE AND OTHER DEMENTIAS - APP AND ABETA		
C001	MON 7/7/2014, 13:30 - FENS-1432 COMPARATIVE STUDY OF BEHAVIORAL AND STRIATUM PARAMETERS IN DOUBLE TRANSGENIC APPSWE/PS1DE9 VERSUS WILD-TYPE MICE S. Abad Florensa, C. Ramon, J. Camarasa, D. Pubill, A. Camins, E. Escubedo (<i>Barcelona, Spain</i>)	1939
C002	MON 7/7/2014, 14:30 - FENS-3090 CONDITIONAL ABLATION OF NEURONAL IGF-1R DURING ADULTHOOD IMPROVES AMYLOID PATHOLOGY AND COGNITIVE DEFICITS IN AGED ALZHEIMER MICE S. Aid, G. Gontier, C. George, M. Holzenberger (<i>Paris, France</i>)	1940
C003	MON 7/7/2014, 13:30 - FENS-2464 TUDCA ATTENUATES NEUROINFLAMMATION AND AMYLOID PRECURSOR PROTEIN PROCESSING IN APP/PS1 MICE AFTER THE ONSET OF AMYLOID PATHOLOGY J. Amaral, P.A. Dionisio, M.F. Ribeiro, A.C. Lo, R. D'Hooge, C.M.P. Rodrigues (<i>Lisbon, Portugal</i>)	1941
C004	MON 7/7/2014, 14:30 - FENS-1171 STRUCTURAL AND FUNCTIONAL PERTURBATIONS OF APOLIPOPROTEIN E4 MUTANT (LEU28PRO) ASSOCIATED WITH INCREASED RISK OF LATE-ONSET ALZHEIMER'S DISEASE L. Argyri, I. Dafnis, T.A. Theodossiou, D. Gantz, E. Stratikos, A. Chroni (<i>Agia Paraskevi, Greece</i>)	1942
C005	MON 7/7/2014, 13:30 - FENS-2474 INVOLVEMENT OF MMP-12 IN NEUROVASCULAR DAMAGES, INFLAMMATION AND AMYLOID METABOLISM IN ALZHEIMER'S DISEASE A. Bonnet, K. Baranger, F. Jabès, E. Lacassagne, Y. Molino, N. Py, A. Bernard, M. Belghazi, Y. Marchalant, S. Lichtenthaler, S. Bregant, S. Tchankoungueutcheu, V. Dive, S. Rivera, M. Khrestchatisky (<i>Marseille, France</i>)	1943
C006	MON 7/7/2014, 14:30 - FENS-1506 RNA BINDING PROTEINS FMRP AND HNRNPC: NEW TARGETS FOR REGULATING AMYLOID PRECURSOR PROTEIN LEVELS IN ALZHEIMER DISEASE A. Borreca, M. Ceci, M. Ammassari-Teule (<i>Rome, Italy</i>)	1944
C007	MON 7/7/2014, 13:30 - FENS-2939 OLIGOMERS OF AMYLOID BETA 1-42 NEGATIVELY REGULATE HIPPOCAMPAL DELTA-CATENIN VIA GSK-3BETA C. Brown, T. Piers, D. Whitcomb, S.M. Choi, E. Molnar, B.C. Kim, K. Cho (<i>Bristol, United Kingdom</i>)	1945

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C008	MON 7/7/2014, 14:30 - FENS-1069 CHOLESTEROL-DEPENDENT BETA-AMYLOID CHANNEL FORMATION IN NEURAL CELLS AND ITS INHIBITION BY BEXAROTENE C. Di Scala, N. Yahi, N. Garmy, J.D. Troadec, H. Chahinian, J. Fantini (<i>Marseille, France</i>)	1946
C009	MON 7/7/2014, 13:30 - FENS-2084 THE ROOT OF ALZHEIMER'S DISEASE: AMYLOID-BETA OLIGOMERS IN THE HUMAN BRAIN T. Esparza, D. Brody (<i>Saint Louis, USA</i>)	1947
C010	MON 7/7/2014, 14:30 - FENS-1448 SUMOYLATION/DESUMOYLATION UNBALANCED IN THE PROGRESSION OF ALZHEIMER'S DISEASE M. Feligioni, C. Ferraina, R. Nisticò (<i>Rome, Italy</i>)	1948
C011	MON 7/7/2014, 13:30 - FENS-1991 KINETICS AND MORPHOLOGY OF MIXED BETA-OLIGOMERS FROM THE SEEDING OF ABETA PY3-42 D. Galante, A. Corsaro, T. Florio, M. Vassalli, A. Perico, C. D'Arrigo (<i>Genova, Italy</i>)	1949
C012	MON 7/7/2014, 14:30 - FENS-0439 THE ROLE OF THE ENDOCANNABINOID SYSTEM IN BRAIN AGEING AND NEUROINFLAMMATION R. Goehrs, A.C. Schmöle, O. Albayram, A. Bilkei-Gorzo, J. Alferink, A. Zimmer (<i>Bonn, Germany</i>)	1950
C013	MON 7/7/2014, 13:30 - FENS-2057 ABETA(1-42) OLIGOMERS CAN PROMOTE ADULT HIPPOCAMPAL NEUROGENESIS VIA RAGE/NF-KAPPAB AXIS ACTIVATION M. Grilli, V. Meneghini, M.T. Francese, A. Dellarole, S. Terzieva, V. Bortolotto (<i>Novara, Italy</i>)	1951
C014	MON 7/7/2014, 14:30 - FENS-1606 AMYLOID-BETA-INDUCED NMDA-RECEPTOR SIGNALLING TO THE NUCLEUS K. Grochowska, J. Bär, M.R. Kreutz (<i>Magdeburg, Germany</i>)	1952
C015	MON 7/7/2014, 13:30 - FENS-2514 AMYLOID PRECURSOR PROTEIN PROTECTS HIPPOCAMPAL NETWORK FUNCTION AGAINST ACUTE HYPOXIA IN VITRO D. Hefter, S. Weyer, U. Müller, A. Draguhn (<i>Dossenheim, Germany</i>)	1953
C016	MON 7/7/2014, 14:30 - FENS-2402 INTRAHIPPOCAMPAL ADMINISTRATION OF ABETA(25-35) AND ABETA(1-40) TO RATS IMPAIRS FEAR CONDITIONING AND MODIFIES NGF AND P75 LEVELS IN THE BRAIN M. Stepanichev, A. Ivanov, Y. Moiseeva, N. Lazareva, N. Gulyaeva (<i>Moscow, Russia</i>)	1954
C017	MON 7/7/2014, 13:30 - FENS-2981 ADULT HIPPOCAMPAL NEUROGENESIS IN RELATION TO AMYLOID BETA DEPOSITS IN ADVANCED AGED APP/V717I TRANSGENIC MICE L. Hoeijmakers, G.F. Meerhoff, F. Van Leuven, P.J. Lucassen, A. Korosi (<i>Amsterdam, The Netherlands</i>)	1955
C018	MON 7/7/2014, 14:30 - FENS-0424 DIFFERENCE IN NGF AND BDNF OVEREXPRESSION EFFECT ON HIPPOCAMPAL LTP UNDER BETA-AMYLOID INDUCED IMPAIRMENT A. Ivanov, G. Tukhatova, V. Markevich (<i>Moscow, Russia</i>)	1956
C019	MON 7/7/2014, 13:30 - FENS-0419 PHYTOCERAMIDE IMPROVES COGNITION IN ALZHEIMER RELATED DEFICITS VIA ANTI-OXIDATIVE AND ANTI-INFLAMMATORY MECHANISMS J. Jang, Y. Seong (<i>Cheongju, Korea</i>)	1957

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C020	MON 7/7/2014, 14:30 - FENS-1703 INTRACEREBRAL TREATMENT OF HEALTHY RATS WITH AMYLOID-BETA INHIBITS HIPPOCAMPAL LTP AND ALTERS NEURONAL OSCILLATIONS IN VIVO A. Kalweit, H. Yang, J. Klausnitzer, L. Fülöp, Z. Bozsó, B. Penke, D. Manahan-Vaughan (<i>Bochum, Germany</i>)	1958
C021	MON 7/7/2014, 13:30 - FENS-2763 CHANGED MEMBRANE INTEGRATION AND CATALYTIC SITE CONFORMATION ARE TWO MECHANISMS BEHIND THE INCREASED ABETA42/ABETA40 RATIO BY PRESENILIN1 FAMILIAL ALZHEIMER-LINKED MUTATIONS H. Karlström, J. Wanngren, P. Lara, K. Ojemalm, S. Maioli, N. Moradi, L. Chen, L.O. Tjernberg, J. Lundkvist, I.M. Nilsson (<i>Stockholm, Sweden</i>)	1959
C022	MON 7/7/2014, 14:30 - FENS-2701 CHARACTERIZATION AND MODELING OF PRE-PLAQUE AMYLOID AGGREGATION USING FTIR O. Klementieva, M. Faideau, K. Willén, A. Engdahl, P. Uvdal, E. Sparr, S. Linse, G.K. Gouras (<i>Lund, Sweden</i>)	1960
C023	MON 7/7/2014, 13:30 - FENS-1796 REELIN-IMMUNOREACTIVE NEURONS SELECTIVELY ACCUMULATE INTRACELLULAR AMYLOID-BETA DURING PRE-PLAQUE STAGE IN THE MCGILL-R-THY1-APP RAT MODEL OF ALZHEIMER'S DISEASE A. KobroFlatmoen, A.C. Cuello, M.P. Witter (<i>Trondheim, Norway</i>)	1961
C29: ALZHEIMER'S DISEASE AND OTHER DEMENTIAS - IMAGING AND BIOMARKERS		
C024	MON 7/7/2014, 14:30 - FENS-3086 LONGITUDINAL CHARACTERIZATION OF CVN MOUSE FOR ALZHEIMER'S DISEASE USING BEHAVIORAL, IMAGING AND BIOMARKER END-POINTS T. Ahtoniemi, N. Vartiainen, T. Heikkinen, J. Oksman, J. Puoliväli, M. Cerrada-Gimenez, K. Lehtimäki, A. Nurmi (<i>Kuopio, Finland</i>)	1962
C025	MON 7/7/2014, 13:30 - FENS-2507 ALTERATION OF CEREBELLAR FUNCTIONAL CONNECTIVITY IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER DISEASE PATHOLOGIES G. Castellazzi, F. Palesi, S. Casali, P. Vitali, E. Sinforiani, C.A.M. Wheeler-Kingshott, E. D'Angelo (<i>Pavia, Italy</i>)	1963
C026	MON 7/7/2014, 14:30 - FENS-2477 DYRK1A, A NOVEL BIOMARKER FOR ALZHEIMER'S DISEASE IDENTIFIED IN PLASMA (AD) AND LCLS FROM AD AND DS J. Delabar, N. Janel, M. Bottlaender, F. Corlier, H. Corne, L. Cruz de Souza, F. Lamari, A. Aka, H. Blehaut, V. Hindie, J.C. Rain, M.L. Arbones, J.L. Paul, P. Coskun, I. Lott, J. Busciglio, M.C. Potier, M. Sarazin (<i>Paris, France</i>)	1964
C027	MON 7/7/2014, 13:30 - FENS-2686 INCREASED LEVELS OF CEREBROSPINAL FLUID JNK3 IN ALZHEIMER'S DISEASE: LINKS TO COGNITIVE DECLINE S. Gourmaud, F. Mouton-Liger, C. Paquet, J. Dumurgier, C. Pace, C. Bouras, F. Gray, J.L. Laplanche, E. Meurs, J. Hugon (<i>Paris, France</i>)	1965
C028	MON 7/7/2014, 14:30 - FENS-3547 WHAT DO STRUCTURAL COVARIANCE NETWORKS TELL US ABOUT ALZHEIMER'S DISEASE? M. Knyazeva, C. Carmeli, E. Fornari, R. Meuli (<i>Lausanne, Switzerland</i>)	1966

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C029	MON 7/7/2014, 13:30 - FENS-2600 CB2 RECEPTORS AS BIOMARKERS OF NEUROINFLAMMATION IN EARLY ALZHEIMER'S DISEASE T. Melnikova, D. Lee, E. Cho, N. Sayyida, M. Pomper, A. Horti, A. Savonenko <i>(Baltimore, USA)</i>	1967
C030	MON 7/7/2014, 14:30 - FENS-1949 MORPHOMETRIC ANALYSIS OF CORTICAL THICKNESS FROM MRI BRAIN IMAGES IN THE AGING MARMOSET MONKEY M. Mescam, L. Dolius, L. Risser, K. Strelnikov, N. Chauveau, N. Vayssière, F. Aubry, P. Celsis, C. Fonta <i>(Toulouse, France)</i>	1968
C031	MON 7/7/2014, 13:30 - FENS-1091 UBIQUITIN DETERMINATION IN CEREBROSPINAL FLUID BY MULTIPLE REACTION MONITORING MASS SPECTROMETRY SHOWS DIFFERENCES BETWEEN ALZHEIMER'S DISEASE AND FRONTOTEMPORAL DEMENTIA PATIENTS P. Ockl, P. Steinacker, C. Von Arnim, S. Straub, E. Feneberg, A.C. Ludolph, M. Otto <i>(Ulm, Germany)</i>	1969
C032	MON 7/7/2014, 14:30 - FENS-1808 MRI LONGITUDINAL STUDY OF STRUCTURAL CHANGES IN DIFFERENT TRANSGENIC MODELS OF ALZHEIMER'S DISEASE A. Paladini, E. Micotti, A. Frasca, D. Tolomeo, C. Balducci, S. Dix, C. Czech, J. Richardson, G. Frisoni, G. Forloni <i>(Milan, Italy)</i>	1970
C033	MON 7/7/2014, 13:30 - FENS-3565 TIME-COURSE OF CORTICAL ACTIVITY ALTERATIONS AND A-BETA DEPOSITION IN TRANSGENIC MOUSE MODELS OF ALZHEIMER'S DISEASE A. Rodriguez, V. Colavito, J. Mulissa Gemechu, A. Wirtu, J. Richardson, S. Dix, C. Del Percio, C. Babiloni, M. Bentivoglio, G. Bertini <i>(Verona, Italy)</i>	1971
C034	MON 7/7/2014, 14:30 - FENS-0152 ANALYSIS OF POLYSOMNOGRAPHY VARIABLES ON THE PREDICTION OF CONVERSION FROM MILD COGNITIVE IMPAIRMENT TO ALZHEIMER'S DISEASE H. Shinno, I. Ishikawa, N. Ando, Y. Nakamura <i>(Kagawa, Japan)</i>	1972
C035	MON 7/7/2014, 13:30 - FENS-1790 A LONGITUDINAL MRS STUDY IN DIFFERENT TRANSGENIC MODELS OF ALZHEIMER'S DISEASE: STUDYING METABOLIC ALTERATION D. Tolomeo, E. Micotti, A. Frasca, A. Paladini, C. Balducci, S. Dix, C. Czech, J. Richardson, G. Frisoni, G. Forloni <i>(Milan, Italy)</i>	1973
C30: PARKINSON'S DISEASE - ANIMAL MODELS		
C036	MON 7/7/2014, 14:30 - FENS-2268 COMBINED 1-DNJ AND IBUPROFEN TREATMENT SIGNIFICANTLY DECREASED MICROGLIAL ACTIVATION AND PHAGOCYTOSIS IN MPTP-TREATED MICE T. Costa, B.C. Berta Claramonte, C.M.R. Carmen María Ros, A.G. Aurora Gomez, N.J.M. NJ Menezes, S.C. S Costa, E.F.V. Emiliano Fernández Villalba, M.T.H.E. M ^a Trinidad herrero Ezquerro <i>(Castellón, Spain)</i>	1974
C037	MON 7/7/2014, 13:30 - FENS-0545 SEROTONERGIC DENERVATION OF THE HIPPOCAMPUS IN THE PDGF-A53T ALPHA-SYNUCLEIN TRANSGENIC MOUSE MODEL FOR PARKINSON'S DISEASE J. Deusser, S. Ploetz, E. Masliah, J. Winkler, Z. Kohl <i>(Erlangen, Germany)</i>	1975

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C038	MON 7/7/2014, 14:30 - FENS-2804 INTRANIGRAL VS. INTRASTRIATAL TRANSPLANTATION OF EMBRYONIC VENTRAL MESENCEPHALIC CELLS IN AN ANIMAL MODEL OF PARKINSON'S DISEASE M. Droguerre, C. Vitrac, M. Benoit-Marand, M. Jaber, A. Gaillard (<i>Poitiers, France</i>)	1976
C039	MON 7/7/2014, 13:30 - FENS-2103 MOLECULAR GUIDANCE OF DOPAMINERGIC CELLS TRANSPLANTED IN A MOUSE MODEL OF PARKINSON'S DISEASE J. Kalaani, J. Roche, E. Hamade, B. Badran, M. Jaber, A. Gaillard, L. Prestoz (<i>Poitiers, France</i>)	1977
C040	MON 7/7/2014, 14:30 - FENS-0941 CATECHOLAMINE INNERVATION OF THE HIPPOCAMPUS AND THE RELEVANCE TO ADULT NEUROGENESIS AND DEMENTIA IN PARKINSON'S DISEASE C. Ermine, J. Wright, C. Parish, L. Thompson (<i>Parkville, Australia</i>)	1978
C041	MON 7/7/2014, 13:30 - FENS-0299 THE ROLE OF GLUN2A SUBUNIT ON THE LEVODOPA-INDUCED DYSKINESIAS AND ITS POTENTIAL THERAPEUTIC ROLE L.F. Hernandez, F. Gardoni, E. Iglesias, E.C. Hirsch, M. DiLuca, J.A. Obeso (<i>Pamplona, Spain</i>)	1979
C042	MON 7/7/2014, 14:30 - FENS-3670 EFFECT OF SEROTONIN TRANSPORTER BLOCKADE ON L-DOPA-INDUCED DYSKINESIA IN A RAT MODEL OF PARKINSON'S DISEASE C. Fidalgo, E. Tronci, R. Stancampiano, M. Carta (<i>Cagliari, Italy</i>)	1980
C043	MON 7/7/2014, 13:30 - FENS-1707 BENEFICIAL EFFECTS OF NEUROPEPTIDE S IN 6-OHDA-INDUCED MOTOR DEFICITS IN MICE E. Gavioli, J.J. Didonet, J.C. Cavalcante, M.S.M.O. Costa, V.P. Soares-Rachetti, R. Guerrini, G. Calo' (<i>Natal, Brazil</i>)	1981
C044	MON 7/7/2014, 14:30 - FENS-1535 ACUTE THETA-BURST STIMULATION RESCUES CORTICOSTRIATAL LONG-TERM DEPRESSION AND MOTOR BEHAVIOR IN PARKINSONIAN RATS V. Ghiglieri, F. Cacace, V. Pendolino, B. Picconi, P. Calabresi (<i>Rome, Italy</i>)	1982
C045	MON 7/7/2014, 13:30 - FENS-3459 MODULATING EFFECTS OF INDOMETHACIN ON NEUROGENESIS IN THE 1-METHYL-4-PHENYL-1,2,3,6-TETRAHYDROPYRIDIN MOUSE MODEL E. Hain, M. Sparenberg, C. Klein, L. Akyuez, J. Millward, A. Meisel, C. Infante Duarte, B. Steiner (<i>Berlin, Germany</i>)	1983
C046	MON 7/7/2014, 14:30 - FENS-3188 NEUROPROTECTIVE EFFECT OF EARLY POSTNATAL ENVIRONMENTAL ENRICHMENT IN A RAT MODEL OF PARKINSON'S DISEASE G. Horvath, A. Jungling, Z.N. Karadi, C.D. Farkas, G. Novogradezcz, A. Kovacs, P. Kiss, B. Gaszner, D. Reglodi, A. Tamas (<i>Pecs, Hungary</i>)	1984
C047	MON 7/7/2014, 13:30 - FENS-0538 SENSORY INTEGRATION IN THE DOPAMINE-DEPLETED STRIATUM M. Ketzeff, A. Bonito-Oliva, G. Fisone, G. Silberberg (<i>Stockholm, Sweden</i>)	1985
C048	MON 7/7/2014, 14:30 - FENS-1672 PARKINSON'S DISEASE LIKE NEURONAL DEGENERATION IN MOUSE METHAMPHETAMINE MODEL: A DIFFUSION TENSOR IMAGING STUDY A. Khairnar, J. Kucerova, P. Latta, E. Drazanova, Z. Starcuk, A. Arab, I. Rektorova (<i>Brno, Czech Republic</i>)	1986

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C049	MON 7/7/2014, 13:30 - FENS-1153 ACTIVATION-INDUCED MANGANESE-ENHANCED MRI CAN EVALUATE THE PATHOLOGICAL STATE OF THE PARKINSONISM S. Kikuta, Y. Nakamura, Y. Yamamura, Y. Yanagawa, N. Homma, J. Kasahara, M. Osanai <i>(Sendai, Japan)</i>	1987
C050	MON 7/7/2014, 14:30 - FENS-0665 AN INCREASE IN THE ENDOGENOUS GDNF EXPRESSION FUNCTIONALLY ENHANCES AND PROTECTS THE NIGROSTRIATAL DOPAMINERGIC SYSTEM J. Kopra, J.O. Andressoo, C. Vilenius, J. Mijatovic, P. Mashall, N. Nevalainen, V. Vöikar, I. Strömberg, T.P. Piepponen, M. Saarma <i>(Helsinki x, Finland)</i>	1988
C051	MON 7/7/2014, 13:30 - FENS-1486 MODULATION OF MICROGLIA CYTOKINES BY PPAR-GAMMA AGONIST IN THE MPTPP MODEL OF PARKINSON DISEASE D. Lecca, A. Pisanu, G. Mulas, A.R. Carta <i>(Cagliari, Italy)</i>	1989
C052	MON 7/7/2014, 14:30 - FENS-1082 EFFECTS OF DOPAMINE RECEPTOR AGONISTS ON EXPRESSION OF PROTEINS INVOLVED IN NITRERGIC SIGNALING IN BRAIN DOPAMINERGIC STRUCTURES OF 6-OHDA-LESIONED RATS T. Lenda, A. Czarnecka, K. Kaminska, J. Konieczny, E. Lorenc-Koci <i>(Kraków, Poland)</i>	1990
C053	MON 7/7/2014, 13:30 - FENS-1065 NO DONOR AND L-DOPA AFFECT EXPRESSION OF PROTEINS INVOLVED IN THE NITRERGIC SIGNALING IN BRAIN DOPAMINERGIC STRUCTURES OF 6-OHDA-LESIONED RATS E. Lorenc-Koci, A. Czarnecka, T. Lenda, K. Kaminska, J. Konieczny <i>(Krakow, Poland)</i>	1991
C054	MON 7/7/2014, 14:30 - FENS-1327 LEVODOPA CHRONIC TREATMENT PROMOTES REINFORCING PROPERTIES OF PRAMIPEXOLE IN ALPHA-SYNUCLEIN RAT MODEL OF PARKINSON'S DISEASE S. Loiodice, A. Hafidi, F. Durif <i>(Clermont Ferrand, France)</i>	1992
C055	MON 7/7/2014, 13:30 - FENS-3543 THE RESTORATIVE EFFECT OF INTRAMUSCULAR INJECTION OF TETANUS TOXIN C-FRAGMENT IN HEMIPARKINSONIAN RATS L. Mendieta, A. Sánchez-González, A. Candalija, J. Aguilera, R. Moratalla, I.D. Limón <i>(Madrid, Spain)</i>	1993
C056	MON 7/7/2014, 14:30 - FENS-0613 NITRITE ADMINISTRATION AMELIORATES MITOCHONDRIAL BIOENERGETICS AND IS NEUROPROTECTIVE IN CELLULAR AND VERTEBRATE MODELS OF PARKINSON'S DISEASE C. Milanese, S. Sepe, M.T. Gladwin, S. Shiva, P.G. Mastroberardino <i>(Rotterdam, The Netherlands)</i>	1994
C057	MON 7/7/2014, 13:30 - FENS-3318 RESEMBLANCE OF CLINICAL METABOLIC CHANGES USING PET IMAGING IN A PROGRESSIVE MPTP PRIMATE MODEL OF PARKINSON'S DISEASE F. Molinet Dronda, E. Iglesias, J. Blesa, C. Juri, M. Collantes, E. Prieto, I. Peñuelas, J.A. Obeso <i>(Pamplona, Spain)</i>	1995
C058	MON 7/7/2014, 14:30 - FENS-3671 COLONIC INFLAMMATION, NEUROINFLAMMATION AND BEHAVIOURAL ABNORMALITIES IN MICE INDUCED BY CHRONIC ROTENONE ADMINISTRATION L. Morais, D. Hara, M. Bicca, A. Poli, R. Takahashi <i>(Cork, Brazil)</i>	1996

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C059	MON 7/7/2014, 13:30 - FENS-1837 THE NEUROSTEROIDS BNN-50 AND THE BNN-50/N-ACETYLCYSTEINE COMBINATION EXERT ANTIAPOPTOTIC ACTIVITY, PROTECTING THE NIGROSTRIATAL DOPAMINERGIC NEURONS OF THE "WEAVER" MOUSE T. Mourtiz, V. Panagiotakopoulou, K. Botsakis, N. Panagopoulos, F. Angelatou, I. Charalampopoulos, A. Gravanis, N. Matsokis (<i>Patras (Rio), Greece</i>)	1997
C060	MON 7/7/2014, 14:30 - FENS-1646 A CONSERVED ROLE FOR P48 HOMOLOGS IN PROTECTION OF DOPAMINERGIC NEURONS FROM OXIDATIVE STRESS E. Nagoshi, P. Bou Dib, B. Gnägi, F. Daly, V. Sabado, P. Meister (<i>Geneva, Switzerland</i>)	1998
C061	MON 7/7/2014, 13:30 - FENS-1537 ALPHA-SYNUCLEIN A53T MICE PRESENT WITH PROGRESSIVE MOTOR DECLINE J. Neddens, D. Amschl, D. Havas, H. Römer, E. Masliah, B. Hutter-Paier (<i>Grambach, Austria</i>)	1999
C31: EPILEPSY - HUMAN STUDIES		
C062	MON 7/7/2014, 14:30 - FENS-1660 LAGGED SYNCHRONIZATION OF SOURCE EEG SHOWS FUNCTIONAL DISCONNECTION IN PATIENTS WITH PSYCHOGENIC NON-EPILEPTIC SEIZURES E. Barzegaran, C. Carmeli, A.O. Rossetti, M.G. Knyazeva (<i>Lausanne, Switzerland</i>)	2000
C063	MON 7/7/2014, 13:30 - FENS-1843 DEVELOPMENT OF RELIABLE IPSC-BASED METHODS FOR IN VITRO MODELLING OF DRAVET SYNDROME AND OTHER NAV1.1-RELATED DISEASES WITH HUMAN NEURONS G. Bechi, E. Fusar Poli, C. Verpelli, L. Carlessi, C. Sala, D. Delia, M. Mantegazza (<i>Milano, Italy</i>)	2001
C064	MON 7/7/2014, 14:30 - FENS-2241 GENERALIZED SPIKE-AND-WAVE DISCHARGES OFFSET IS RELATED TO PRECUNEAL/POSTERIOR CINGULATE ACTIVITY F. Benuzzi, D. Ballotta, M. Zucchelli, E. Ferrari, A. Ruggieri, L. Mirandola, A.E. Vaudano, P.F. Nichelli, S. Meletti (<i>Baggiovara, Modena, Italy</i>)	2002
C065	MON 7/7/2014, 13:30 - FENS-0604 VOLTAGE-GATED CALCIUM CHANNELS AND EPILEPSY: MECHANISM AND GENETIC LINKAGE STUDY IN EPILEPTIC PATIENTS M. Daghsni, R. M'rad (<i>Hammam-Lif, Tunisia</i>)	2003
C066	MON 7/7/2014, 14:30 - FENS-3411 CHANCE PROJECT: IDENTIFICATION AND CHARACTERIZATION OF NOVEL HCN ION CHANNEL MUTATIONS IN IDIOPATHIC EPILEPSY J. DiFrancesco, A. Barbuti, R. Milanese, L. Canafoglia, S. Franceschetti, C. Ferrarese, D. DiFrancesco (<i>Monza, Italy</i>)	2004
C067	MON 7/7/2014, 13:30 - FENS-1764 CHARACTERISATION OF TEMPORAL LOBE EPILEPSY BIOMARKERS IN HUMAN SCLEROTIC HIPPOCAMPI A. Princivalle (<i>Sheffield, United Kingdom</i>)	2005
C068	MON 7/7/2014, 14:30 - FENS-2819 RAISED LEVELS OF NITRIC OXIDE METABOLITES IN CEREBROSPINAL FLUID OF PATIENTS AFTER REPETITIVE GENERALISED TONIC-CLONIC SEIZURES K. Rejdak, M. Godek, P. Grieb (<i>Lublin, Poland</i>)	2006

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C069	MON 7/7/2014, 13:30 - FENS-2285 INTRACRANIAL ELECTRICAL STIMULATION OF ANTERIOR MESIAL FRONTAL CORTEX EVOKES K-COMPLEX-LIKE PHENOMENA IN HUMANS WITH FOCAL EPILEPSY Z. Voysey, G. Alarcon, R. Selway, A. Valentin <i>(London, United Kingdom)</i>	2007
C32: DEMYELINATING DISORDERS		
C070	MON 7/7/2014, 14:30 - FENS-2715 MOLECULAR AND CELLULAR MECHANISMS IN ASTROCYTE-T CELL CROSS-TALK F. Filippello, D. Pozzi, M. Proietti, M. Matteoli, C. Verderio, F. Grassi <i>(Milano, Italy)</i>	2008
C071	MON 7/7/2014, 13:30 - FENS-2085 EXPERIMENTAL MULTIPLE SCLEROSIS CAUSES MOOD ALTERATIONS BY INTERACTING WITH THE DOPAMINERGIC SYSTEM A. Gentile, D. Fresegna, A. Musella, S. Bullitta, H. Sepman, F. De Vito, F.R. Rizzo, M. Federici, G. Mandolesi, D. Centonze <i>(Marino, Italy)</i>	2009
C072	MON 7/7/2014, 14:30 - FENS-1893 OLIGODENDROCYTE PRECURSOR CELLS ARE INVOLVED IN NEUROVASCULAR UNIT REMODELLING DURING EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS BY NG2 PROTEOGLYCAN F. Girolamo, G. Ferrara, S. Morando, M. Rizzi, C. Coppola, A. Uccelli, L. Roncali, D. Virgintino <i>(Bari, Italy)</i>	2010
C073	MON 7/7/2014, 13:30 - FENS-0200 TAM SIGNALLING ACTIVATES PATHWAYS FOR PROMOTION OF OPTIC NERVE GLIAL CELL DEVELOPMENT S. Goudarzi, A.M. Butt, S. Hafizi <i>(Portsmouth, United Kingdom)</i>	2011
C074	MON 7/7/2014, 14:30 - FENS-3177 TRANSCRIPTIONAL REGULATION OF BRAIN DERIVED NEUROTROPHIC FACTOR BY METHYL CPG BINDING PROTEIN 2: IMPLICATIONS IN MYELIN REPAIR IN MULTIPLE SCLEROSIS T. Khorshid Ahmad, C.M.R. Acosta, C. Cortes, K. Altaweel, K. Ethans, M. Rastegar, M.P. Namaka <i>(Winnipeg, Canada)</i>	2012
C075	MON 7/7/2014, 13:30 - FENS-3680 LXRS AND OXYSTEROLS IN CNS/PNS RE/MYELINATION PROCESSES MODULATION J. Grenier, D. Meffre, G. Shackelford, J. Makoukji, C. Massaad <i>(Paris, France)</i>	2013
C076	MON 7/7/2014, 14:30 - FENS-0220 POTASSIUM CHANNELS OF THE TASK FAMILY ARE IMPORTANT REGULATORS OF OLIGODENDROGLIAL CELL FUNCTIONS S. Korr, P. Ehling, S. Albrecht, C. Kemming, F. Stortz, S.G. Meuth, T. Kuhlmann <i>(Muenster, Germany)</i>	2014
C077	MON 7/7/2014, 13:30 - FENS-2541 BENEFICIAL EFFECT OF STAPHYLOCOCCUS AUREUS IN A MODEL OF MULTIPLE SCLEROSIS IS MEDIATED THROUGH THE SECRETION OF EXTRACELLULAR ADHERENCE PROTEIN P. Kumar, B. Kretzschmar, S. Herold, R. Nau, M. Kreutzfeldt, S. Schütze, M. Baehr, K. Hein <i>(Göttingen, Germany)</i>	2015
C078	MON 7/7/2014, 14:30 - FENS-0032 EXCITOTOXIC NEURONAL CELL DEATH DURING AN OLIGODENDROCYTE-DIRECTED CD8+ T CELL ATTACK IN THE CNS GRAY MATTER N. Melzer, G. Hicking, S. Bittner, N. Bobak, K. Goebel, A.M. Herrmann, H. Wiendl, S.G. Meuth <i>(Muenster, Germany)</i>	2016

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C080	MON 7/7/2014, 14:30 - FENS-3217 INVOLVEMENT OF CALCITONIN GENE-RELATED PEPTIDE AND RECEPTOR COMPONENT PROTEIN IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS S. Morara, A. Finardi, F. Ruffini, I.M. Dickerson, M. Righi, D. Zacchetti, F. Grohovaz, L. Provini, R. Furlan, C. Sardi <i>(Milano, Italy)</i>	2018
C081	MON 7/7/2014, 13:30 - FENS-2856 HIPPOCAMPAL LTP AND SPATIAL LEARNING, BUT NOT LTD AND RECOGNITION MEMORY, IS ALTERED IN AN ANIMAL MODEL OF MULTIPLE SCLEROSIS T. Novkovic, R.G. Gold, D.M.V. Manahan-Vaughan <i>(Bochum, Germany)</i>	2019
C082	MON 7/7/2014, 14:30 - FENS-0158 S1PR-TLR4 SIGNALLING IN ASTROCYTES AND THEIR ROLE IN PRO-INFLAMMATORY CHEMOKINE RELEASE S. O`Sullivan, L.M. Healy, T. Connor, K.K. Dev <i>(Dublin 2, Ireland)</i>	2020
C083	MON 7/7/2014, 13:30 - FENS-2048 PRESYNAPTIC DEFECTS AND CCL5-GLUTAMATE INTERACTION IN EAE MICE A. Pittaluga, S. Di Prisco, E. Meregá, D. Graglia, S. Casazza, A. Uccelli <i>(Genova, Italy)</i>	2021
C084	MON 7/7/2014, 14:30 - FENS-1753 PROGRESSION OF MOTOR AXON FUNCTION IMPAIRMENT IN MICE HETEROZYGOUSLY DEFICIENT FOR THE MYELIN PROTEIN P0 GENE M. Rosberg, S. Alvarez, M. Moldovan, C. Krarup <i>(Copenhagen, Denmark)</i>	2022
C085	MON 7/7/2014, 13:30 - FENS-0157 EBI2 REGULATES INTRACELLULAR SIGNALLING AND MIGRATION IN HUMAN ASTROCYTES A. Rutkowska, I. Preuss, A.W. Sailer, K.K. Dev <i>(Dublin, Ireland)</i>	2023
C086	MON 7/7/2014, 14:30 - FENS-2275 UP-REGULATION OF THE WNT SIGNALLING PATHWAY IN THE HIPPOCAMPUS OF MICE WITH EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS R. Schneider, B. Koop, F. Schroeter, J. Ingwersen, H.P. Hartung, O. Aktas, T. Prozorovski <i>(Duesseldorf, Germany)</i>	2024
C087	MON 7/7/2014, 13:30 - FENS-1419 A P2X7 ANTAGONIST IMPROVES MUSCLE STRENGTH AND MOTOR DISTAL AMPLITUDE IN CMT1A RATS: PRELIMINARY RESULTS FROM AN IN VIVO TRIAL G. Sociali, T. Prukop, I. Cervellini, L. Nobbio, S. Bruzzone, A. Schenone, M.W. Sereda <i>(Genoa, Italy)</i>	2025
C088	MON 7/7/2014, 14:30 - FENS-0353 EFFECTS OF NEUROPROTECTOR AND ANTIOXIDANT OF EXTREMELY LOW-FREQUENCY ELECTROMAGNETIC FIELDS IN A MULTIPLE SCLEROSIS DISEASE-LIKE RAT MODEL I. Túnez-Fiñana, E. Agüera, F. Sánchez-López, E. Luque, A.I. Giraldo, R. Drucker-Colín, F.J. Medina <i>(Córdoba, Spain)</i>	2026
C089	MON 7/7/2014, 13:30 - FENS-1309 IN ACUTE EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS, INVADING MACROPHAGES ARE IMMUNE ACTIVATED WHEREAS MICROGLIA REMAIN IMMUNE SUPPRESSED J. Vinet, I.D. Vainchtein, N. Brouwer, S. Brendecke, G. Biagini, K. Biber, H.W.G.M. Boddeke, B.J.L. Eggen <i>(Modena, Italy)</i>	2027

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C091	MON 7/7/2014, 13:30 - FENS-0234 CNS MYELIN AND AXON MORPHOLOGY IN DEMYELINATION AND DYSMYELINATION IN MOUSE MODELS S. Yoshida, Y. Bando (<i>Asahikawa, Hokkaido, Japan</i>)	2029
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C092	MON 7/7/2014, 14:30 - FENS-0513 EPITHELIAL CELL TRANSFORMING SEQUENCE 2 ONCOGENE (ECT2) REGULATES MICROGLIAL ACTIVATION Y. Ooi, S. Dheen, S. Tay (<i>Singapore, Singapore</i>)	2030
C093	MON 7/7/2014, 13:30 - FENS-3686 IN VIVO STUDY COMPARING THE NEUROINFLAMMATORY RESPONSE AFTER INTRACEREBRAL PGLA OR SILK FIBROIN MICRO AND NANOPARTICLES V. Ortiz Cullera, A. Lozano Pérez, C.M. Ros Gómez, A. Gómez, J.L. Cenis, M.T. Herrero (<i>Murcia, Spain</i>)	2031
C094	MON 7/7/2014, 14:30 - FENS-0746 DOXYCYCLINE REDUCES THE INFLAMMATORY RESPONSE OF LPS-TREATED MICROGLIAL CELLS M.O. Ouidja, F. Santa Cecilia, B. Socias, E. DelBel, P.P. Michel, R. Raisman-Vozari (<i>Paris, France</i>)	2032
C095	MON 7/7/2014, 13:30 - FENS-1932 NEUROTOXIC EFFECTS OF OCHRATOXIN-A ONTO THE SUBVENTRICULAR ZONE OF ADULT MOUSE BRAIN S. Paradells Navarro, C. LLinares, I. Zipancic, R. Tonino, M. Jiménez, J.M. Soria, A. García Esparza (<i>Valencia, Spain</i>)	2033
C096	MON 7/7/2014, 14:30 - FENS-2328 MOLECULAR MECHANISMS INVOLVED IN MICROGLIAL-MEDIATED CEREBELLAR GRANULE CELLS INDUCED BY 90-231 PRION FRAGMENT F. Pellistri, E. Gatta, S. Thellung, T. Florio, M. Robello (<i>Genoa, Italy</i>)	2034
C097	MON 7/7/2014, 13:30 - FENS-2317 CHARACTERISTICS OF THE UPTAKE OF IRON OXIDE NANOPARTICLES BY CULTURED CEREBELLAR GRANULE NEURONS C. Petters (<i>Bremen, Germany</i>)	2035
C098	MON 7/7/2014, 14:30 - FENS-2836 CHF5074, IN CLINICAL DEVELOPMENT FOR THE TREATMENT OF ALZHEIMER'S DISEASE, INDUCES PHAGOCYTIC/ANTI-INFLAMMATORY 'ALTERNATIVE ACTIVATION' OF MICROGLIA IN PLAQUE-FREE TG2576 MICE V. Porrini, C. Branca, A. Lanzillotta, M. Benarese, B.P. Imbimbo, M. Pizzi (<i>Brescia, Italy</i>)	2036
C099	MON 7/7/2014, 13:30 - FENS-3255 TARGETED PLGA NANOCARRIERS FOR BRAIN DRUG DELIVERY C. Portioli, M. Bovi, H.L. Monaco, M. Donini, S. Dusi, M. Bentivoglio (<i>Verona, Italy</i>)	2037
C100	MON 7/7/2014, 14:30 - FENS-2985 NEUROINFLAMMATION ENHANCES AUTOPHAGY IN THE BRAIN Y. Qin, Y. Liu, C. Liu, K. Fassbender (<i>Homburg, Germany</i>)	2038

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C102	MON 7/7/2014, 14:30 - FENS-2739 MULTIPLE-IMMUNE CHALLENGES IN ADULTHOOD PROTECT FROM AD-RELATED PATHOLOGICAL CHANGES L. Rambousek, D. Krstic, S. Muenzing, I. Knuesel <i>(Zurich, Switzerland)</i>	2040
C103	MON 7/7/2014, 13:30 - FENS-3644 CLINICORADIOLOGICAL PROFILE OF OPPORTUNISTIC INFECTIONS OF THE CENTRAL NERVOUS SYSTEM AMONG HIV POSITIVE PATIENTS K. Reddy, B.P. Achappa, S.K. Pandey <i>(Mangalore, India)</i>	2041
C104	MON 7/7/2014, 14:30 - FENS-3356 INVESTIGATION OF PACAP FRAGMENTS AND RELATED PEPTIDES IN CHRONIC RETINAL HYPOPERFUSION D. Reglödi, D. Werling, P. Kiss, G. Toth, K. Szabadfi, A. Tamas, Z.S. Biro, T. Atlasz <i>(Pécs, Hungary)</i>	2042
C105	MON 7/7/2014, 13:30 - FENS-0634 RESVERATROL PREVENTS 6-HYDROXYDOPAMINE-INDUCED APOPTOSIS BY INTERFERING WITH NUR77 NUCLEAR TO CYTOPLASMIC TRANSLOCATION IN PC12 CELLS J. Renaud, M.B. Plourde, C. Tremblay, M.G. Martinoli <i>(Trois-Rivières, Canada)</i>	2043
C106	MON 7/7/2014, 14:30 - FENS-1883 PARP-1 ACTIVATION CAUSES CA1 PYRAMIDAL CELL DEATH IN ORGANOTYPIC HIPPOCAMPAL SLICE CULTURES F. Resta, E. Gerace, A. Masi, R. Felici, E. Landucci, T. Mello, D.E. Pellegrini-Giampietro, G. Mannaioni, F. Moroni <i>(Florence, Italy)</i>	2044
C107	MON 7/7/2014, 13:30 - FENS-3050 NEURONAL P2Y1 RECEPTORS ARE REQUIRED FOR NMDAR-INDUCED, CALPAIN-MEDIATED SYNAPTIC LOSS AND NEURONAL DEATH R. Rodrigues, A.P. Simoes, C.G. Silva, D. Pochmann, J.M. Marques, J.P. Oses, R.O. Belezza, R.A. Cunha <i>(Coimbra, Portugal)</i>	2045
C108	MON 7/7/2014, 14:30 - FENS-2881 MICROGLIA PROINFLAMMATORY RESPONSE INDUCES A GLUCOSE METABOLISM REPROGRAMMING WITH LACTATE DELIVERY M.J. Rodriguez-Allue, J. Gimeno-Bayon, A. Lopez-Lopez, N. Mahy <i>(Barcelona, Spain)</i>	2046
C109	MON 7/7/2014, 13:30 - FENS-0972 ANTI-INFLAMMATORY PROPERTIES OF A TESTOSTERONE METABOLITE IN AN EXPERIMENTAL MODEL OF MULTIPLE SCLEROSIS S. Romano, S. Giatti, R. Rigolio, B. Viviani, G. Cavaletti, L.M. Garcia-Segura, R.C. Melcangi <i>(Milano, Italy)</i>	2047
C110	MON 7/7/2014, 14:30 - FENS-2537 PARP: A COMMON THERAPEUTIC TARGET IN CANCER AND RETINAL DEGENERATION? A. Sahaboglu Tekgöz, M. Kulkarni, F. Paquet-Durand <i>(Tuebingen, Germany)</i>	2048
C111	MON 7/7/2014, 13:30 - FENS-3422 NANOPARTICLES FUNCTIONAL NEUROTOXICITY VS CYTOTOXICITY B. Salvetti, L. Ronconi, M. Pellitteri, S. Becchi, F. Schio, L. Perbellini, M. Cerpelloni, F. Merigo, D. Benati, F. Osculati, G. Bertini, P. Fabene <i>(Verona, Italy)</i>	2049

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C113	MON 7/7/2014, 13:30 - FENS-0491 SUB-LETHAL EXPOSURE TO CHLORPYRIFOS AND CHLORPYRIFOS OXON INDUCES NEURITE RETRACTION AND NEUROFILAMENT DISRUPTION IN DIFFERENTIATING MOUSE N2A NEUROBLASTOMA CELLS R. Sindi, W. Harris, G. Arnott, C. Lloyd Mills, A. Hargreaves (<i>Nottingham, United Kingdom</i>)	2051
C114	MON 7/7/2014, 14:30 - FENS-1027 PREDEGENERATED SCHWANN CELLS PROLONGE SURVIVAL OF RETINAL GANGLION CELLS IN RAT MODEL OF GLAUCOMA A. Smedowski, M. Pietrucha-Dutczak, K. Kaarniranta, J. Lewin-Kowalik (<i>Katowice, Poland</i>)	2052
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C118	MON 7/7/2014, 14:30 - FENS-3242 PIVOTAL ROLE OF ACETYL-COA IN DIFFERENTIAL SUSCEPTIBILITY OF CHOLINERGIC NEURONAL AND MICROGLIAL CELLS TO COMMON NEUROTOXIC SIGNALS A. Szutowicz, H. Bielarczyk, A. Ronowska, S. Gul-Hinc, J. Klimaszewska-Lata, A. Dys (<i>Gdansk, Poland</i>)	2056
C119	MON 7/7/2014, 13:30 - FENS-1165 NEURAL PROGENITOR CELLS IMPLANTED IN THE LESIONED BRAIN FORM GAP JUNCTIONS WITH HOST GLIAL CELLS R. Talaverón, A.M. Pastor, R.R. De la Cruz, E.R. Matarredona (<i>Seville, Spain</i>)	2057
C120	MON 7/7/2014, 14:30 - FENS-3293 SLEEP AND INFLUENZA A VIRAL INFECTIONS IN MURINE MODELS C. Tesoriero, A. Codita, V. Colavito, M.D. Zhang, G. Grassi-Zucconi, H. Karlsson, T. Hökfelt, M. Bentivoglio, K. Kristensson (<i>Verona, Italy</i>)	2058
C121	MON 7/7/2014, 13:30 - FENS-2098 USAGE OF PROGESTERONE IN RETINITIS PIGMENTOSA L. Trachsel Moncho, S. Benlloch Navarro, D.T. Lamelas, I. Almansa, M. Miranda (<i>Moncada, Spain</i>)	2059
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- C124 **MON 7/7/2014, 14:30 - FENS-0326**
ADOLESCENT TOLUENE INHALATION DYNAMICALLY ALTERS DNA METHYLATION IN RAT PREFRONTAL CORTEX 2062
A. Dick, Q. Zhao, D. Baker-Andresen, X. Li, V. Marshall, J. Edson, T. Bredy, A.J. Lawrence, J.R. Duncan (*Melbourne, Australia*)
- C125 **MON 7/7/2014, 13:30 - FENS-1163**
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- C126 **MON 7/7/2014, 14:30 - FENS-0354**
INVOLVEMENT OF THE GLUR1 RECEPTOR SUBUNIT IN ALCOHOL RELAPSE 2064
M. Eisenhardt, S. Leixner, A. Bilbao, R. Spanagel (*Mannheim, Germany*)
- C127 **MON 7/7/2014, 13:30 - FENS-1560**
VALIDATING TWO NOVEL CELL-PENETRATING PEPTIDES FOR THE TREATMENT OF DOPAMINE-DEPENDENT DISORDERS OF THE BASAL GANGLIA 2065
S. Fasano, I. Morella, F. Marchisella, L. Marrone, A. Papale, R. Brambilla (*Milano, Italy*)
- C128 **MON 7/7/2014, 14:30 - FENS-3344**
THC DECREASES THE EXPRESSION OF LOCOMOTOR SENSITIZATION INDUCED BY ETHANOL 2066
R. Filev, D.S. Engelke, J.G. Santos-Junior, D.X. Silveira, L.E. Mello (*São Paulo, Brazil*)
- C129 **MON 7/7/2014, 13:30 - FENS-1744**
ENDURING BEHAVIORAL EFFECTS AND PLASTIC MOLECULAR CHANGES FOLLOWING EARLY EXPOSURE TO COCAINE IN RATS 2067
F. Fumagalli, A. Di Clemente, F. Moro, G. Giannotti, L. Caffino, C. Cassina, M. Toia, A. Orrù, L. Cervo (*Milan, Italy*)
- C130 **MON 7/7/2014, 14:30 - FENS-1818**
MOLECULAR MECHANISMS OF ETHANOL DEPENDENCE AND WITHDRAWAL IN IMMATURE AND MATURE RAT ORGANOTYPIC HIPPOCAMPAL SLICE CULTURES 2068
E. Gerace, E. Landucci, A. Totti, T. Scartabelli, D. Bani, F. Moroni, G. Mannaioni, D. Pellegrini-Giampietro (*Florence, Italy*)
- C131 **MON 7/7/2014, 13:30 - FENS-1885**
CORTICAL BDNF-MEDIATED SIGNALING IS ALTERED FOLLOWING LONG-TERM ABSTINENCE FROM REPEATED EXPOSURE TO COCAINE DURING ADOLESCENCE 2069
G. Giannotti, L. Caffino, C. Malpighi, G. Racagni, F. Fumagalli (*Milan, Italy*)
- C132 **MON 7/7/2014, 14:30 - FENS-2870**
TCBD: A NOVEL THERAPEUTIC APPROACH TO DRUG AND ALCOHOL RELAPSE 2070
G. Gonzalez-Cuevas, R. Martin-Fardon, D. Hammel, S. Banks, R. Sinha, A. Stinchcomb, F. Weiss (*La Jolla, USA*)
- C133 **MON 7/7/2014, 13:30 - FENS-0900**
THE ROLE OF GHRELIN IN THE OPIOID REWARD PROCESSING 2071
T. Havlickova, P. Jerabek, P. Kacer, M. Krsiak, M. Sustkova - Fiserova (*Prague, Czech Republic*)

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C135	MON 7/7/2014, 13:30 - FENS-2099 THE APPETITE-REGULATING PEPTIDES, ANXIETY AND DEPRESSION DURING EARLY ABSTINENCE IN ALCOHOLIC PATIENTS N. Pushkina, P. Jerabek, M. Sustkova-Fiserova, P. Potmesil, P. Popov <i>(Prague, Czech Republic)</i>	2073
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C137	MON 7/7/2014, 13:30 - FENS-2457 EFFECT OF METHAMPHETAMINE ON COGNITION FUNCTION OF ADULT MALE RATS EXPOSED TO THE SAME DRUG IN DIFFERENT PRENATAL PERIOD I. Hřebíčková, E. Macuchova, M. Malinova, K. Nohejlova, R. Slamberova <i>(Prague, Czech Republic)</i>	2075
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C152	MON 7/7/2014, 14:30 - FENS-1690 MODELLING LESCH-NYHAN DISEASE USING INDUCED PLURIPOTENT STEM CELLS J. Emeline, C. Boissart, M. Peschanski, A. Benchoua (<i>Evry, France</i>)	2090
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C161	MON 7/7/2014, 13:30 - FENS-0531 THE EFFECT OF SELECTIVE SEROTONIN REUPTAKE INHIBITORS ON SERT FUNCTION IN STEM-CELL DERIVED SEROTONERGIC NEURONS F. Matthaeus, T. Lau, M. Caron, C. Sánchez, N. Haddjeri, P. Schloss <i>(Mannheim, Germany)</i>	2099
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G007	MON 7/7/2014, 13:30 - FENS-3709 HEAT PULSE EXTENSION-PCR: NOVEL METHOD FOR DETECTION OF LARGE GC-RICH REPEAT EXPANSIONS IN NEURONAL DISEASES T. Ho, A.K. Orpana, K. Alagrund, M. Ridanpää1, K. Aittomäki, J. Stenman <i>(Helsinki, Finland)</i>	2286
G008	MON 7/7/2014, 14:30 - FENS-0881 DISTINCT TRANSDUCTION PROFILES RESULTING FROM DIRECT CORTICAL, INTRATHECAL OR INTRAVENOUS INJECTION OF AAV9 IN THE CNS F. Huda, A. Konno, Y. Matsuzaki, H. Goenawan, K. Miyake, T. Shimada, H. Hirai <i>(Maebashi, Japan)</i>	2287
G009	MON 7/7/2014, 13:30 - FENS-2923 DEVELOPMENT OF VECTOR-NEUROTENSIN CONJUGATES THAT INDUCE HYPOTHERMIA AND PROMOTE EFFICIENT NEUROPROTECTION UPON SYSTEMIC ADMINISTRATION M. Khrestchatsky, P. Lécorché, F. Gassiot, M. Masse, R. Soussi, M. David, A. Fortoul, M. Laurencin, M. Smirnova, S. Cisternino, J.M. Scherrmann, V. Dive, G. Jacquot <i>(Marseille, France)</i>	2288
G010	MON 7/7/2014, 14:30 - FENS-2134 FUNCTIONAL ANALYSIS OF RHO GTPASE SIGNALING IN SPECIFIC NEURONAL PATHWAY USING NEWLY DEVELOPED GENETIC MANIPULATION TECHNOLOGY K. Kobayashi, S. Kato, K. Kaibuchi, K. Kobayashi <i>(Okazaki, Japan)</i>	2289
G011	MON 7/7/2014, 13:30 - FENS-1589 FLUORESCENCE-BASED ASSAY DEVELOPMENT TO SCREEN DRUGS AGAINST PARKINSON'S DISEASE D. Kortazar, R.M. Mella, M. Roura-ferrer, A. Castilla, J. Herrero, A.C. Salado, P. Villacé <i>(Derio, Spain)</i>	2290

13:30 - 15:30		Poster Area
BOARD NO	DATE - PRESENTATION TIME - ABSTRACT NUMBER	INDEX NUMBER
G012	MON 7/7/2014, 14:30 - FENS-1798 IN VITRO ANALYSIS ON NVR-GEL COMBINED WITH IRON OXIDE-CONJUGATED FACTORS FOR PERIPHERAL NERVE ENGINEERING M. Morano, F. Fregnan, M. Wesemann, O. Ziv-Polat, A. Shahar, C. Grothe, K. Haastert-Talini, S. Geuna <i>(Orbassano, Italy)</i>	2291
G013	MON 7/7/2014, 13:30 - FENS-3474 INFLUENCE OF NUCLEUS INCERTUS NETWORKS ON AROUSAL AND BEHAVIOR REVEALED USING DREADDS E. Ong-Palssom, S. Ma, D. Hawkes, S.J. McDougall, M.D. White, R.A.D. Bathgate, A.L. Gundlach <i>(Melbourne, Australia)</i>	2292
G014	MON 7/7/2014, 14:30 - FENS-1233 OPTOGENETIC REGULATION OF TRANSCRIPTION: MODULATION OF THE RE1-SILENCING TRANSCRIPTION FACTOR (REST) F. Paonessa, H. Scarongella, D. Amoroso, S. Criscuolo, G. Pruzzo, L. Maragliano, F. Cesca, F. Benfenati <i>(Genova, Italy)</i>	2293
G015	MON 7/7/2014, 13:30 - FENS-0512 GENERATION OF DOPAMINE NEURONS USING NURR1 MRNA DELIVERY TO NEURAL PROGENITOR CELLS C. Park, S. Kim <i>(Seoul, Korea)</i>	2294
G016	MON 7/7/2014, 14:30 - FENS-2625 SINGLE CELL TRANSCRIPTOMICS REVEAL CIRCUIT DEFECTS IN A MOUSE MODEL FOR THE 16P11.2 DELETION SYNDROME ASSOCIATED WITH AUTISM T. Portmann, G. Panagiotakos, G. Dolen, B.A. Grueter, C. Goold, E. Fisher, R.C. Malenka, R.E. Dolmetsch <i>(Stanford, USA)</i>	2295
G017	MON 7/7/2014, 13:30 - FENS-0548 PRENATAL RADIATION EXPOSURE OF THE MOUSE BRAIN RESULTS IN LONG-TERM EPIGENETIC EFFECTS R. Quintens, T. Verreet, M. Neefs, L. Leysen, A. Janssen, A. Michaux, S. Baatout, M.A. Benotmane <i>(Mol, Belgium)</i>	2296
G018	MON 7/7/2014, 14:30 - FENS-0743 ANALYSIS OF PI3K/P TEN - AKT SIGNALING IN CORTICAL NEURONS THROUGH CAPILLARY-BASED ISOELECTRIC FOCUSING (CIEF) S. Schrötter, G. Leondaritis, B.J. Eickholt <i>(Berlin, Germany)</i>	2297
G08: COMPUTATION, MODELLING, DATA ANALYSIS AND SOFTWARE		
G019	MON 7/7/2014, 13:30 - FENS-3076 STABILITY OF EVOKED ACTIVITY IN A CULTURED NEURONAL CIRCUIT- ANALYZED BY SELF-ORGANIZATION MAP (SOM) S. Kudoh, H. Ito, W. Minoshima, Y. Fukui <i>(Sanda, Hyogo, Japan)</i>	2298
G020	MON 7/7/2014, 14:30 - FENS-2557 THE NEURAL MARKETPLACE S. Lewis, P. Yger, K.D. Harris <i>(London, United Kingdom)</i>	2299
G021	MON 7/7/2014, 13:30 - FENS-3280 IN VIVO QUANTIFICATION OF AMYGDALA SUBNUCLEI USING 4.7T FAST SPIN ECHO IMAGING N. Malykhin, A. Aghamohammadi-Sereshki <i>(Edmonton, Canada)</i>	2300
G022	MON 7/7/2014, 14:30 - FENS-0689 A FAST AND ACCURATE METHOD TO REDUCE THE COMPUTATIONAL COMPLEXITY OF BIOPHYSICALLY ACCURATE MODELS OF NEURONS AND SYNAPTIC INPUTS A. Marasco, M. Migliore <i>(Naples, Italy)</i>	2301

POSTER PRESENTATION IV

Monday, 7th July

13:30 - 15:30		Poster Area
BOARD NO	DATE - PRESENTATION TIME - ABSTRACT NUMBER	INDEX NUMBER
G023	MON 7/7/2014, 13:30 - FENS-2524 FUNCTIONAL RESTORATION AFTER SPINAL CORD INJURY FROM A NEW ASPECT: SYNCHRONOUS ANALYSES OF FOOTPRINT PATTERN AND LIMB MOTION G. Márton, L. Gál, Z. Fekécs, D. Török, S. Pintér, A. Nógrádi (<i>Szeged, Hungary</i>)	2302
G024	MON 7/7/2014, 14:30 - FENS-1873 ORCHESTRATING THE RESTING BRAIN BY CROSS-FREQUENCY COUPLING A. Medvedev (<i>Washington, USA</i>)	2303
G025	MON 7/7/2014, 13:30 - FENS-3158 EVALUATION OF FINE MOTOR SKILL IMPAIRMENT IN RODENT MODELS OF NEURODEGENERATIVE DISEASES A. Nurmi, T. Ahtoniemi, T. Heikkinen, J. Puoliväli, O. Kontkanen (<i>Kuopio, Finland</i>)	2304
G026	MON 7/7/2014, 14:30 - FENS-0500 ESTIMATING PARAMETERS OF NEURAL MASS MODELS USING PARTICLE FILTER Y. Ogawa, I. Yamaguchi, K. Kotani, Y. Jimbo (<i>Kashiwa, Japan</i>)	2305
G027	MON 7/7/2014, 13:30 - FENS-1433 BRAIN RHYTHM IDENTIFICATION BY DECOMPOSITION INTO ENSEMBLE EMPIRICAL MODES D. Prodanov, K. Mols, I. Gligorijevic (<i>Leuven, Belgium</i>)	2306
G028	MON 7/7/2014, 14:30 - FENS-1976 A GENERIC FRAMEWORK FOR PARALLEL ANALYSIS AND PROCESSING OF EXTRACELLULAR NEURONAL SIGNALS RECORDED BY MULTI-ELECTRODE ARRAYS R. Pulizzi, M. Mahmud, E. Vasilaki, M. Giugliano (<i>Witrijk, Belgium</i>)	2307

9th FENS FORUM OF NEUROSCIENCE

Milan | Italy July 5–9, 2014

Organised by the Federation of European
Neuroscience Societies | FENS

Hosted by the Società Italiana
di Neuroscienze | SINS

SCIENTIFIC PROGRAMME
Tuesday, 8th July

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**SCIENTIFIC PROGRAMME
TUESDAY, JULY 08, 2014****8:30 - 9:30****Hall A****PLENARY LECTURE:****PL06: Plenary Lecture**Introducer: S. Grillner (*Sweden*)

2308

EXPLORATIONS OF A SIMPLE VISUAL CORTEX

2309

G. Laurent (*Frankfurt, Germany*)**9:45 - 11:15****Hall D****SYMPOSIUM:****S33: Development and function of GABA circuits**Chair: B. Rico (*Spain*)

2310

9:50 **GENETIC DISSECTION OF CORTICAL GABAERGIC CIRCUITS-CHANDELIERS LIGHT UP THE PATH**

2311

H. Josh (*Cold Spring Harbor, USA*)10:10 **EARLY INTEGRATION OF NKX2-1 INTERNEURONS PREDICT THE FORMATION OF THE CANONICAL NEOCORTICAL CIRCUIT**

2312

S. Butt, P. Anastasiades, A. Marques-Smith, D. Lyngholm (*Oxford, United Kingdom*)10:30 **IMAGING THE FUNCTION OF EARLY BORN GABAERGIC NEURONS IN SHAPING SPATIAL REPRESENTATION IN THE ADULT MOUSE HIPPOCAMPUS IN VIVO**

2313

R. Cossart (*Marseille, France*)10:50 **ON THE ASSEMBLY OF GABAERGIC CIRCUITS: NEUREGULINS AND ERBB4 FUNCTION**

2314

B. Rico (*Sant Joan D'Alacant, Spain*)**9:45 - 11:15****Hall F****SYMPOSIUM:****S34: MicroRNAs in brain development and function**Chair: H. Cremer (*France*)

2315

9:50 **ROLE OF MICRORNA IN MURINE NEUROGENESIS**

2316

D. De Pietri Tonelli (*Genova, Italy*)10:10 **MICRORNA FUNCTION IN POSTNATAL FOREBRAIN NEUROGENESIS**

2317

H. Cremer (*Marseille, France*)10:30 **DYNAMIC CONTROL OF THE NEURAL PROGENITOR STATE BY MICRORNA-9**

2318

L. Bally-Cuif (*Gif-Sur-Yvette, France*)10:50 **MICRORNA FUNCTION IN SYNAPSE DEVELOPMENT AND PLASTICITY**

2319

G. Schratt (*Marburg, Germany*)

9:45 - 11:15

Hall C

SYMPOSIUM:

S35: Protein shuttling in synapse-to-nucleus signalling.

	Chair: M. Kreutz (<i>Germany</i>)	2320
9:50	SIGNALING FROM SYNAPSE TO NUCLEUS DURING NEURONAL PLASTICITY K. Martin, T.H. Ch'ng, M. DeSalvo, T.J. O'Dell (<i>Los Angeles, USA</i>)	2321
10:10	LONG-HAUL TRANSPORT OF PROTEIN COMPLEXES FROM NMDA-RECEPTORS TO THE NUCLEUS M. Kreutz (<i>Magdeburg, Germany</i>)	2322
10:30	CYTONUCLEAR SIGNALLING IN STRIATAL NEURONS J. Girault (<i>Paris, France</i>)	2323
10:50	RHO GTPASE OLIGOPHRENIN-1 REGULATES THE SHUTTLING OF REV-ERBA FROM NUCLEUS TO SYNAPSE M. Passafaro (<i>Milan, Italy</i>)	2324

9:45 - 11:15

Hall J

SYMPOSIUM:

S36: Adult cortical plasticity.

	Chair: H. Lee (<i>USA</i>)	2325
9:50	COMPARISON OF CRITICAL PERIOD AND ADULT CORTICAL PLASTICITY MECHANISMS IN THE VISUAL CORTEX F. Sengpiel (<i>Cardiff, United Kingdom</i>)	2326
10:10	SYNAPTIC MECHANISMS OF CROSS-MODAL PLASTICITY IN ADULTS H. Lee (<i>Baltimore, USA</i>)	2327
10:30	REJUVENATING THE ADULT CORTEX TO RECOVER VISION E. Quinlan (<i>USA, College Park</i>)	2328
10:50	ENVIRONMENTAL ENRICHMENT AND ENVIROMIMETICS: IMPACT ON VISUAL CORTEX PLASTICITY A. Sale (<i>Pisa, Italy</i>)	2329

9:45 - 11:15

Hall I

SYMPOSIUM:

S37: Deciphering the physiology and function of hippocampal area CA2

	Chairs: T.J. McHugh (<i>Japan</i>)	2330
	V. Chevaleyre (<i>France</i>)	2331
9:50	NEW INSIGHTS INTO THE REGULATION OF SYNAPTIC PLASTICITY FROM AN UNEXPECTED PLACE: HIPPOCAMPAL CA2 S. Dudek (<i>Research Triangle Park, USA</i>)	2332
10:10	CA2: A SHORT-CIRCUIT OF THE HIPPOCAMPAL-ENTORHINAL LOOP? C.G. Kentros (<i>Trondheim, Norway</i>)	2333
10:30	A FUNCTIONAL INVESTIGATION OF THE SUPRAMAMMILLARY PROJECTION INTO AREA CA2 R. Piskorowski (<i>Paris, France</i>)	2334
10:50	MAPPING AND REMAPPING IN CA2 T. McHugh (<i>Wako-Shi, Japan</i>)	2335

9:45 - 11:15

Hall G

SYMPOSIUM:**S38: Cell and gene therapy approaches in retinal degenerations.**

	Chairs: J.A. Sahel (<i>France</i>)	2336
	J. Bennett (<i>USA</i>)	2337
9:50	CORRECTIVE GENE THERAPY IN RETINAL DEGENERATIONS, TRANSLATIONAL ISSUES J. Bennett (<i>Philadelphia, USA</i>)	2338
10:10	CONE PHOTORECEPTOR PROTECTION AND REACTICATION IN ROD-CONE DYSTROPHIES J. Sahel (<i>Paris, France</i>)	2339
10:30	CELL REPLACEMENT THERAPY FOR RETINAL PIGMENT EPITHELIUM DISEASES M. Humayun, D. Hinton, D.O. Clegg (<i>Los Angeles, USA</i>)	2340
10:50	GENE THERAPY OF CHOROIDEREMIA AND PROGENITOR CELL THERAPY IN ADVANCED RETINAL DEGENERATIONS R. Mac Laren (<i>Oxford, United Kingdom</i>)	2341

9:45 - 11:15

Hall B

SYMPOSIUM:**S39: Coding others' behaviour in the monkey primary motor and premotor cortex.**

	Chairs: L. Fogassi (<i>Italy</i>)	2342
	P.F. Ferrari (<i>Italy</i>)	2343
9:50	DISTINCTION BETWEEN OWN AND OTHER'S GRASPING HAND IN THE VENTRAL PREMOTOR CORTEX M. Maranesi, A. Livi, L. Fogassi, G. Rizzolatti, L. Bonini (<i>Parma, Italy</i>)	2344
10:10	PROBING THE NEURAL CODE OF SELF AND OTHER'S ACTIONS IN THE MACAQUE MEDIAL FRONTAL CORTEX M. Isoda (<i>Higashi-Osaka, Japan</i>)	2345
10:30	OBSERVATIONS ON F5 MIRROR NEURONS SUGGESTING A ROLE IN RESPONSE SELECTION P. Thier (<i>Tübingen, Germany</i>)	2346
10:50	CORTICOSPINAL MIRROR NEURONS AND THEIR ROLE IN MOVEMENT SUPPRESSION DURING ACTION OBSERVATION A. Kraskov, R. Philipp, S. Waldert, G. Vigneswaran, M.M. Quallo, R.N. Lemon (<i>London, United Kingdom</i>)	2347

9:45 - 11:15

Hall H

SYMPOSIUM:**S40: Pharmacological and optogenetic control of cognition.**

	Chairs: S. Knafo (<i>Spain</i>)	2348
	T. Bussey (<i>United Kingdom</i>)	2349
9:50	MOLECULAR RESCUE OF SYNAPTIC AND COGNITIVE FUNCTION IN ALZHEIMER'S MODELS S. Knafo (<i>Barakaldo Bizkaia, Spain</i>)	2350
10:10	PHARMACOLOGICAL CONTROL OF COGNITION USING TOUCHSCREEN TECHNOLOGY T. Bussey (<i>Cambridge, United Kingdom</i>)	2351
10:30	OPTOGENETIC DECONSTRUCTION OF DYNAMIC RETRIEVAL STRATEGIES FOR REMOTE MEMORIES I. Goshen (<i>Jerusalem, Israel</i>)	2352
10:50	DISSECTING NEURAL CIRCUITS UNDERLYING LEARNING AND WORKING MEMORY I. Witten (<i>New Jersey, USA</i>)	2353

12:30 - 14:00

Hall J

SPECIAL LECTURE:

SL06: Foundation IPSEN / Neuronal Plasticity Prize

	Introducer: Y. Christen (<i>France</i>)	2354
	Introducer: N. Logothetis (<i>Germany</i>)	2355
12:30	NEURAL PLASTICITY, MALADAPTIVE LEARNING AND MEMORY IN ADDICTION: IMPLICATIONS FOR RELAPSE PREVENTION AND ABSTINENCE B. J. Everitt (<i>Cambridge, United Kingdom</i>)	2356
13:00	NEUROPLASTICITY IN THE BRAIN STRESS SYSTEMS IN ADDICTION G. F. Koob (<i>La Jolla, USA</i>)	2357
13:30	TRANSITION TO ADDICTION: A ROLE FOR INTRINSIC INDIVIDUAL VULNERABILITIES M. Le Moal (<i>Bordeaux, France</i>)	2358

13:00 - 13:45

Hall C

SPECIAL LECTURE:

SL07: IBRO - Kemali Prize

	Introducer: P. Magistretti (<i>Switzerland</i>)	2359
	MITOCHONDRIAL AND PRESYNAPTIC DYSFUNCTION IN PARKINSON'S DISEASE P. Verstreken (<i>Leuven, Belgium</i>)	2360

13:00 - 13:45

Hall B

SPECIAL LECTURE:

SL08: Eric Kandel Prize Lecture

	Introducer: T. Movshon (<i>USA</i>)	2361
	NEURAL DYNAMICS IN VISUAL CORTEX DURING LEARNING S. Hofer (<i>Basel, Switzerland</i>)	2362

15:45 - 17:15

Hall H

SYMPOSIUM:

S41: Axon guidance and targeting of retinal ganglion cells.

	Chairs: A. Rebsam (<i>France</i>)	2363
	C.A. Mason (<i>USA</i>)	2364
15:50	GROWTH PROMOTING MOLECULES IMPORTANT FOR OPTIC PATHWAY DEVELOPMENT L. Erskine, F. Bruce, S. Brown, P. Fuerst (<i>Aberdeen, United Kingdom</i>)	2365
16:10	SHH/BOC SIGNALING ROLE IN THE ESTABLISHMENT OF THE IPSILATERAL- RETINAL GANGLION CELL PROJECTIONS IN THE MOUSE RETINA P. Bovolenta (<i>Madrid, Spain</i>)	2366
16:30	PLASTIC MECHANISMS DURING THE RETINOTOPIC TARGETING OF RETINAL GANGLION CELL AXONS R. Hindges, N.A. Maiorano (<i>London, United Kingdom</i>)	2367
16:50	MECHANISMS CONTROLLING RETINAL AXON ORGANIZATION TO AND WITHIN THEIR TARGET A. Rebsam, A. Assali, M. Bennis, P. Kaeser, T.C. Sudhof, P. Gaspar (<i>Paris, France</i>)	2368

15:45 - 17:15

Hall F

SYMPOSIUM:**S42: Regional diversity of endocannabinoid signaling in action control.**

- Chair: J.F. Cheer (*USA*) 2369
- 15:50 **CANNABINOID RECEPTORS CONTROL THE NEURAL TIMING FUNCTIONS OF SUBSECOND DOPAMINE RELEASE IN REWARD SEEKING** 2370
J. Cheer, E.B. Oleson (*Baltimore, USA*)
- 16:10 **ENDOCANNABINOID-DEPENDENT SYNAPTIC PLASTICITY IN STRIATUM: ROLES IN ACTION LEARNING** 2371
D. Lovinger, C.M. Gremel, R.M. Costa (*Bethesda, USA*)
- 16:30 **METAPLASTICITY OF CORTICOSTRIATAL ENDOCANNABINOID SIGNALING IN HABIT LEARNING** 2372
R. Tonini, A. Cavaccini, M. Trusel, B. Greco (*Genova, Italy*)
- 16:50 **CB1 RECEPTORS ON STRIATAL DIRECT-PATHWAY NEURONS AND NETWORK SYNCHRONY IN THE CORTICO-BASAL GANGLIA-THALAMOCORTICAL LOOP** 2373
D. Robbe (*Marseille, France*)

15:45 - 17:15

Hall C

SYMPOSIUM:**S43: Cortical inhibition in single-neuron computations, network activities and sensory processing.**

- Chair: A. Bacci (*France*) 2374
- 15:50 **ACTIVITY DEPENDENT REGULATION OF HIPPOCAMPAL INHIBITORY MICROCIRCUITS** 2375
S. Remy (*Bonn, Germany*)
- 16:10 **LONG-TERM PLASTICITY OF CORTICAL GABAERGIC SYNAPSES** 2376
A. Bacci (*Paris, France*)
- 16:30 **FUNCTIONAL ROLE OF FAST-SPIKING INTERNEURONS IN RHYTHMIC ACTIVITY PATTERNS IN CORTICAL CIRCUITS AND IN COGNITIVE FUNCTIONS** 2377
M. Bartos (*Freiburg, Germany*)
- 16:50 **PROBING THE ROLES OF INHIBITION IN THE VISUAL CORTEX** 2378
M. Carandini (*London, United Kingdom*)

15:45 - 17:15

Hall E

SYMPOSIUM:**S44: Variance and Invariants in functional connectivity.**

- Chair: N.E. Ziv (*Israel*) 2379
- 15:50 **STRUCTURAL INVARIANTS IN DYNAMIC SYNAPSE POPULATIONS** 2380
N. Ziv (*Haifa, Israel*)
- 16:10 **FUNCTIONAL INVARIANTS IN UNCONSTRAINED NETWORKS** 2381
S. Marom (*Haifa, Israel*)
- 16:30 **NEURONAL ACTIVATION PATTERNS IN MOUSE NEOCORTEX: VARIABLE OR INVARIANT?** 2382
F. Helmchen (*Zurich, Switzerland*)
- 16:50 **AVALANCHE INVARIANTS IN THE PRIMATE BRAIN** 2383
D. Plenz (*Bethesda, USA*)

15:45 - 17:15

Hall I

SYMPOSIUM:

S45: Interaction of genes and environment as risk factors for mental illness.

	Chairs: E. Binder (<i>Germany</i>)	2384
	H. Song (<i>USA</i>)	2385
15:50	NEURONAL ACTIVITY-INDUCED ACTIVE DNA MODIFICATIONS IN NEURONS AND THEIR ROLE IN AUTISM SPECTRUM DISORDER (ASD)	2386
	H. Song (<i>Baltimore, USA</i>)	
16:10	GENETIC MODERATOR OF THE FIRST MOLECULAR RESPONSE TO STRESS - RISK AND PROTECTIVE FACTORS FOR THE DEVELOPMENT OF STRESS-RELATED PSYCHIATRIC DISORDERS	2387
	E. Binder (<i>Munich, Germany</i>)	
16:30	IDENTIFYING NEW TARGETS FOR PTSD USING TRANSLATIONAL APPROACHES	2388
	K.J. Ressler (<i>Atlanta, USA</i>)	
16:50	NEURAL MECHANISMS OF GENE-ENVIRONMENT INTERACTIONS IN HUMANS: THE ROLE OF EPIGENETICS AND SOCIAL STRESSORS	2389
	A. Meyer-Lindenberg (<i>Mannheim, Germany</i>)	

15:45 - 17:15

Hall J

SYMPOSIUM:

S46: Axonal transport: basic mechanisms and its pathogenetic role in brain diseases.

	Chairs: G. Schiavo (<i>United Kingdom</i>)	2390
	M. Caleo (<i>Italy</i>)	2391
15:50	CONTROLLING AXONAL TRANSPORT: NEW REGULATORY MECHANISMS FOR SYNAPTIC VESICLE TRAFFICKING	2392
	C.C. Hoogenraad (<i>Utrecht, The Netherlands</i>)	
16:10	INITIATION AND REGULATION OF AXONAL TRANSPORT: MECHANISMS OF MOTOR ENGAGEMENT AND MOTOR COORDINATION	2393
	E. Holzbaur (<i>Philadelphia, USA</i>)	
16:30	HUNTINGTIN: AXONAL TRANSPORT, NEUROTROPHIN SIGNALING AND ENERGY SUPPLY	2394
	F. Saudou (<i>Orsay, France</i>)	
16:50	AXONAL RETROGRADE TRANSPORT: A MAIN GATEWAY IN THE CNS FOR PATHOGENS AND GROWTH FACTORS	2395
	G. Schiavo (<i>London, United Kingdom</i>)	

15:45 - 17:15

Hall G

SYMPOSIUM:

S47: What does cross-modal plasticity tell us about the way the senses interact during development?

	Chairs: A.J. King (<i>United Kingdom</i>)	2396
	J.P. Rauschecker (<i>USA</i>)	2397
15:50	CROSS-MODAL PLASTICITY AND FUNCTIONAL SPECIALIZATION IN THE "VISUAL" CORTEX OF EARLY BLIND HUMANS	2398
	L. Renier, A.G. De Volder, J.P. Rauschecker (<i>Brussels, Belgium</i>)	
16:10	CROSS-MODAL PLASTICITY LEADS TO ENHANCED INFORMATION PROCESSING IN THE AUDITORY CORTEX	2399
	P. Kanold (<i>College Park, USA</i>)	
16:30	PRESERVED FUNCTIONAL SPECIALIZATION IN THE VISUAL CORTEX OF THE CONGENITALLY BLIND	2400
	E. Striem-Amit, L. Reich, O. Dakwar, L. Cohen, S. Dehaene, A. Amedi (<i>Jerusalem, Israel</i>)	
16:50	THE ROLE OF MULTI-SENSORY INTERACTIONS IN SENSORY CALIBRATION	2401
	M. Gori, T. Vercillo, G. Sandini, E. Cocchi, D. Burr (<i>Genoa, Italy</i>)	

15:45 - 17:15

Hall D

SYMPOSIUM:**S48: The integration of spatial maps across cortical areas.**

	Chair: S. Leutgeb <i>(USA)</i>	2402
15:50	MEMBRANE POTENTIAL DYNAMICS OF SPATIALLY-MODULATED CELLS DURING VIRTUAL NAVIGATION D.W. Tank <i>(Princeton, USA)</i>	2403
16:10	THE FUNCTIONAL ORGANIZATION OF MEDIAL ENTORHINAL CIRCUITS L. Giocomo <i>(Stanford, USA)</i>	2404
16:30	VISUAL CORTEX INTEGRATES VISUAL MOTION AND LOCOMOTION DURING NAVIGATION K. Harris, M. Carandini, K.J. Jeffery, A. Ayaz, A.B. Saleem <i>(London, United Kingdom)</i>	2405
16:50	EFFECTS OF MANIPULATING THE OSCILLATORY COUPLING BETWEEN HIPPOCAMPUS AND ENTORHINAL CORTEX ON SPATIAL MAPS S. Leutgeb, M.P. Brandon, M.I. Schlesiger, J.K. Leutgeb <i>(La Jolla, USA)</i>	2406

17:30 - 18:30

Hall A

PLENARY LECTURE:**PL07: Plenary Lecture**

	Introducer: B. Roska <i>(Switzerland)</i>	2407
	SELF-ORGANIZATION OF NEURAL STRUCTURES AND PATTERNS IN 3D STEM CELL CULTURE Y. Sasai <i>(Kobe, Japan)</i>	2408

18:45 - 21:15

Hall F

SPECIAL INTEREST EVENT:**SiE07: Global Advocacy Event**

18:45	WELCOME Panelist: M. Joëls <i>(The Netherlands)</i>	2409
18:50	GLOBAL ADVOCACY Panelist: S. Grillner <i>(Sweden)</i>	2410
18:55	ADVOCACY ACROSS BORDERS: SUPPORT FOR GLOBAL EFFORTS IN COMMUNICATING ABOUT THE BRAIN Panelist: M. Miller <i>(USA)</i>	2411
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Next generation networks in neuroscience

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9th FENS FORUM OF NEUROSCIENCE

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11:15 - 13:15

Poster Area

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T. Delgado, F.P. Dos Santos, T. Peruch, S. Katami, E.F. Sanches, P. Pranke, A.S. Pagnussat, C.A. Netto (*Porto Alegre, Brazil*)

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9th FENS FORUM OF NEUROSCIENCE

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**SCIENTIFIC PROGRAMME
WEDNESDAY, JULY 09, 2014**

8:30 - 9:30

Hall A

PLENARY LECTURE:

PL08: Plenary Lecture

Introducer: M. Di Luca (*Italy*)

3444

BUILDING CONNECTIONS: RNA-BASED MECHANISM OF AXON GUIDANCE

3445

C. Holt (*Cambridge, United Kingdom*)

9:45 - 11:15

Hall G

SYMPOSIUM:

S49: Early cortical circuits.

Chair: Z. Molnár (*United Kingdom*)

3446

9:50 **ACTIVITY REGULATES A SWITCH IN THALAMOCORTICAL AXON GROWTH**

3447

G. López-Bendito (*Alicante, Spain*)

10:10 **HANDSHAKES, EMBRACES AND RENDEZVOUS IN THE INTERNAL CAPSULE**

3448

S. Garel (*Paris, France*)

10:30 **INPUT-SPECIFIC DIFFERENTIATION OF CORTICAL NEURONS AND CIRCUITS**

3449

D. Jabaudon (*Geneva, Switzerland*)

10:50 **EARLY THALAMOCORTICAL INTERPLAY**

3450

P. Kanold (*College Park, USA*)

9:45 - 11:15

Hall J

SYMPOSIUM:

S50: Epigenetic control of neuronal function.

Chairs: T. Pizzorusso (*Italy*)

3451

E. Battaglioli (*Italy*)

3452

9:50 **THE MOLECULAR BASIS OF RETT SYNDROME**

3453

J. Cholewa-Waclaw, J. Guy, M. Lyst, J. Selfridge, A.P. Bird (*Edinburgh, United Kingdom*)

10:10 **EPIGENETICS, NEURONAL METABOLISM AND THE CIRCADIAN CLOCK**

3454

P. Sassone-Corsi (*Irvine, USA*)

10:30 **REGULATION OF MIRNA METABOLISM AND FUNCTION IN RETINAL AND NON-RETINAL NEURONS**

3455

W. Filipowicz, J. Krol, V. Busskamp, B. Roska (*Basel, Switzerland*)

10:50 **ROLE OF EPIGENETIC MECHANISMS IN VISUAL CORTICAL PLASTICITY**

3456

T. Pizzorusso, P. Tognini, D. Napoli, J. Tola, E. Putignano, D. Silingardi, R. Mazziotti, G. Chelini (*Pisa, Italy*)

9:45 - 11:15 Hall F

SYMPOSIUM:

S51: Old but new synaptic organizers: diverse but common mechanisms.

	Chair: M. Yuzaki (<i>Japan</i>)	3457
9:50	THE MORE THE MERRIER: RECEPTOR CLUSTERING IN CELL SURFACE SIGNALLING R. Aricescu (<i>Oxford, United Kingdom</i>)	3458
10:10	C1Q FAMILY PROTEINS: UNIQUE FUNCTIONAL AND MORPHOLOGICAL REGULATORS OF SYNAPSES M. Yuzaki (<i>Tokyo, Japan</i>)	3459
10:30	CONTROL OF SYNAPTIC CONNECTIVITY BY ASTROCYTE-SECRETED SYNAPTIC ORGANIZERS C. Eroglu (<i>Durham, USA</i>)	3460
10:50	DISSECTING INTEGRIN AND N-CADHERIN FUNCTIONS IN THE BRAIN: FROM SYNAPSES TO BEHAVIOR Y. Goda, Y. Park (<i>Saitama, Japan</i>)	3461

9:45 - 11:15 Hall D

SYMPOSIUM:

S52: Synaptic deficits in intellectual disability disorders.

	Chairs: R. Meredith (<i>The Netherlands</i>)	3462
	N. Nadif Kasri (<i>The Netherlands</i>)	3463
9:50	PATHOPHYSIOLOGY OF COGNITIVE DISORDERS: LESSONS FROM MULTI-SCALE EXPERIMENTAL STUDIES IN CD MOUSE MODELS Y. Humeau, C.L. Zhang, X. Houbaert, M. Lepleux, M. Deshors, E. Normand, F. Gambino, C. Martin, E. Herzog (<i>Bordeaux, France</i>)	3464
10:10	SYNAPTIC CONNECTIVITY AND EARLY DEVELOPMENT IN FMR1-KO CORTICAL NETWORKS R. Meredith (<i>Amsterdam, The Netherlands</i>)	3465
10:30	CHROMATIN REMODELING PATHWAYS IN INTELLECTUAL DISABILITY DISORDERS N. Nadif Kasri (<i>Nijmegen, The Netherlands</i>)	3466
10:50	GLUTAMATE AND GABA RECEPTORS TRAFFICKING IN X-LINKED INTELLECTUAL DISABILITY S. Bassani (<i>Milan, Italy</i>)	3467

9:45 - 11:15 Hall E

SYMPOSIUM:

S53: Auditory cortical tuning to natural sounds.

	Chair: E. Formisano (<i>The Netherlands</i>)	3468
9:50	MUSIC IN OUR EARS: THE BIOLOGICAL BASES OF MUSICAL TIMBRE PERCEPTION M. Elhilali, K. Patil, S. Shamma, D. Pressnitzer (<i>Baltimore, USA</i>)	3469
10:10	MECHANISMS SUBSERVING THE CODING OF NATURAL SOUNDS AND SCENES IN THE MAMMALIAN AUDITORY CORTEX I. Nelken (<i>Jerusalem, Israel</i>)	3470
10:30	VOICE CELLS IN THE PRIMATE BRAIN: ARE THEY AN AUDITORY EQUIVALENT TO FACE CELLS? C. Petkov (<i>Newcastle Upon Tyne, United Kingdom</i>)	3471
10:50	ENCODING OF NATURAL SOUNDS IN HUMAN AUDITORY CORTEX: ULTRA-HIGH FIELD FMRI INVESTIGATIONS M. Moerel, F. De Martino, R. Santoro, K. Ugurbil, E. Yacoub (<i>Maastricht, The Netherlands</i>)	3472

9:45 - 11:15

Hall H

SYMPOSIUM:**S54: Functional and anatomical heterogeneity in the midbrain dopamine system.**

	Chair: M. Ungless (<i>United Kingdom</i>)	3473
9:50	DISSECTING THE DOPAMINE REWARD CIRCUIT: BEYOND STAMP COLLECTING N. Uchida (<i>Boston, USA</i>)	3474
10:10	TRANSCRIPTION FACTORS REGULATING MIDBRAIN DOPAMINE NEURON DEVELOPMENT AND FUNCTION S. Ang, S. Khan, A. Truckenbrodt, S. Stott, K. Nave, M.W. Bishop, M.A. Ungless (<i>London, United Kingdom</i>)	3475
10:30	FUNCTIONAL DIVERSITY OF CODING AND SYNAPTIC PLASTICITY IN DOPAMINE NEURONS M. Ungless (<i>London, United Kingdom</i>)	3476
10:50	THE FUNCTIONAL DIVERSITY OF NIGRAL DOPAMINE NEURONS IN BEHAVIORAL CONTROL AND DISEASE J. Roeper (<i>Frankfurt, Germany</i>)	3477

9:45 - 11:15

Hall I

SYMPOSIUM:**S55: The stressed social brain.**

	Chairs: A. Chen (<i>Israel</i>)	3478
	M.J.A.G. Henckens (<i>Israel</i>)	3479
9:50	OXYTOCIN INVOLVEMENT IN SOCIAL PREFERENCE BEHAVIOR AND IN SOCIAL FEAR CONDITIONING: ROLE OF SOCIAL STRESS I. Neumann (<i>Regensburg, Germany</i>)	3480
10:10	THE ROLE OF THE MEDIAL-AMYGDALA UCN3/CRFR2 SYSTEM IN TRANSLATING SOCIAL SIGNALS INTO SOCIAL BEHAVIOR IN MICE A. Chen (<i>Rehovot, Israel</i>)	3481
10:30	ROLE OF THE GLUCOCORTICOID RECEPTOR ALONG THE DOPAMINE SYSTEM IN SOCIAL STRESS RESILIENCE J. Barik (<i>Paris, France</i>)	3482
10:50	NEUROBIOLOGY OF INFANT SOCIAL BEHAVIOR AND ATTACHMENT R. Sullivan, M. Rincon-Cortes (<i>New York, USA</i>)	3483

9:45 - 11:15

Hall C

SYMPOSIUM:**S56: Generalization of emotional memories: from neural circuits to anxiety disorders.**

	Chair: A. Luthi (<i>Switzerland</i>)	3484
9:50	FROM PERCEPTION TO ABNORMAL GENERALIZATION: AMYGDALA-PREFRONTAL INTERACTIONS IN PRIMATE-MODELS OF AVERSIVE LEARNING AND ANXIETY R. Paz (<i>Rehovot, Israel</i>)	3485
10:10	AMYGDALA-PREFRONTAL DIRECTIONALITY DETERMINES AVERSIVENESS IN A DIFFERENTIAL FEAR CONDITIONING TASK J. Gordon, E. Likhtik, J. Stujenske (<i>New York, USA</i>)	3486
10:30	CAUSAL DISSECTION OF NEURAL CIRCUITS UNDERLYING ANXIETY K. Tye (<i>Cambridge, USA</i>)	3487
10:50	PREFRONTAL NEURONAL MECHANISMS OF FEAR GENERALIZATION C. Herry (<i>Bordeaux, France</i>)	3488

11:45 - 12:45

Hall J

SPECIAL LECTURE:

SL09: FENS-EJN Awards Lectures

Introducers: J. Fritschy (*Switzerland*)

3489

M. Sarter (*USA*)

3490

IN SEARCH OF THE HOLY GRAIL OF FLY MOTION VISION

3491

A. Borst (*Martinsried, Germany*)

STUDYING NEURAL CIRCUITS MEDIATING FEAR IN ZEBRAFISH BRAIN

3492

E. Yaksi, S.K. Jetti, N. Vendrell Llopis (*Leuven, Belgium*)

11:45 - 12:45

Hall B

SPECIAL LECTURE:

SL10: ERA NET NEURON / Excellent Papers in Neuroscience Awards 2013

Introducers: E. Raulo (*Finland*)

3493

M. Dorloechter (*Germany*)

3494

GLUCOCORTICOIDS CAN INDUCE PTSD-LIKE MEMORY IMPAIRMENTS IN MICE, IN SCIENCE

3495

N. Kaouane, Y. Porte, M. Vallée, L. Brayda-Bruno, N. Mons, L. Calandreau, A. Marighetto, P.V. Piazza,

A. Desmedt (*Talence, France*)

13:00 - 14:00

Hall A

PLENARY LECTURE:

PL09: Hertie Foundation Lecture

Introducer: R. Costa (*Portugal*)

3496

OF NEANDERTALS, DENISOVANS AND MODERN HUMANS

3497

S. Pääbo (*Leipzig, Germany*)

14:15 - 16:15

Hall E

NETWORKING EVENT:

Educational Course on: Manuscript and Grant Writing, effective Poster or Talk preparation

9th FENS FORUM OF NEUROSCIENCE

Milan | Italy July 5–9, 2014

Organised by the Federation of European
Neuroscience Societies | FENS

Hosted by the Società Italiana
di Neuroscienze | SINS



11:15 - 13:15

POSTER PRESENTATION VII
Wednesday, 9th July

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A002	WEDN 9/7/2014, 12:15 - FENS-0241 EXPRESSION OF THE F3/CONTACTIN AXONAL GLYCOPROTEIN IN DEVELOPING CEREBELLUM IS REGULATED BY THE COE FAMILY EBF2 TRANSCRIPTION FACTOR S. Picocci, A. Bizzoca, D. Bici, P. Corsi, L. Croci, G. Consalez, G. Gennarini (<i>Bari, Italy</i>)	3499
A003	WEDN 9/7/2014, 11:15 - FENS-2501 TRANSCRIPTION FACTORS COOPERATE TO PROMOTE DOPAMINERGIC DIFFERENTIATION S. Pulcrano, F. Volpicelli, C. De Sanctis, C. Perrone-Capano, U. Di Porzio, G.C. Bellenchi (<i>Naples, Italy</i>)	3500
A004	WEDN 9/7/2014, 12:15 - FENS-0858 DNA METHYLTRANSFERASE 3B DOWN-REGULATION AND SP1 ACTIVATION INDUCE BRAIN SPECIFIC KINASE 1 EXPRESSION IN A NEURONAL DIFFERENTIATION MODEL L. Ramirez, M. Vargas, J. Espadamala, N. Gomez, J.M. Lizcano, E. Lopez-Bayghen (<i>México, Mexico</i>)	3501
A005	WEDN 9/7/2014, 11:15 - FENS-3532 INVESTIGATION OF A RHEPO THERAPY APPROACH ON PERINATAL ZNS LESIONS IN A MODEL OF ACUTE SYSTEMIC HYPOXIA IN THE NEONATAL MOUSE BRAIN M. Richter-Kraus, J. Dumler, G. Knop, A. Feigenspan, R. Trollmann (<i>Erlangen, Germany</i>)	3502
A006	WEDN 9/7/2014, 12:15 - FENS-0292 EZRIN IN BRAIN DEVELOPMENT AND DISEASE - FUNCTIONS IN RAS REGULATION, INTELLECTUAL DISABILITY AND CEREBELLAR GRANULE CELL DIFFERENTIATION L. Riecken, S. Mayerl, C. Dornblut, A. Schulz, R. Abou Jamra, H. Morrison (<i>Jena, Germany</i>)	3503
A007	WEDN 9/7/2014, 11:15 - FENS-2826 EXPRESSION OF HCN CHANNELS IN THE DEVELOPING CEREBELLUM: A ROLE IN GRANULE CELLS PROLIFERATION AND MATURATION M. Ripamonti, M. Ferro, G. Racchetti, A. Bucchi, V. Zimarino, D. DiFrancesco, A. Malgaroli (<i>Milano, Italy</i>)	3504
A008	WEDN 9/7/2014, 12:15 - FENS-2546 THE COREST FAMILY: FEATURES AND EXPRESSION IN THE CENTRAL NERVOUS SYSTEM J. Saez, A. Barrios, M. González, A. Gómez, M. Andrés (<i>Santiago, Chile</i>)	3505
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A010	WEDN 9/7/2014, 12:15 - FENS-1221 BCL6 IS A NOVEL PRONEURONAL FACTOR INVOLVED IN CORTEX AND CEREBELLUM DEVELOPMENT AND BRAIN ONCOGENESIS L. Tiberi, J. Bonnefont, J. Van den Ameele, A. Herpoel, A. Bilheu, P. Vanderhaeghen (<i>Brussels, Belgium</i>)	3507
A011	WEDN 9/7/2014, 11:15 - FENS-0733 POTENTIAL ROLE OF BRAIN INJURY ASSOCIATED MIRNA-451 IN NEUROGENIC PROCESSES IN VITRO C. Trattnig, A. Steinberger, S. Patz, G. Gruenbacher, U. Fasching, I. Klymiuk, B. Rinner, M. Absenger, E. Papapetrou, U. Schaefer (<i>Graz, Austria</i>)	3508

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A019	WEDN 9/7/2014, 11:15 - FENS-0454 CD44 - THE ADHESION MOLECULE AND ITS ROLE IN DENDRITIC TREE ARBORIZATION OF PYRAMIDAL NEURONS A. Skupien, A. Konopka, L. Swiech, M. Babraj, I. Figiel-Ozóg, J. Włodarczyk, J. Jaworski, G. Wilczynski, J. Dzwonek (<i>Warsaw, Poland</i>)	3516
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A021	WEDN 9/7/2014, 11:15 - FENS-3448 THE SERINE/THREONINE KINASE NDR2 CONTROLS INTEGRIN TRAFFICKING AND INTEGRIN-DEPENDENT NEURITE GROWTH O. Stork, K. Rehberg, M. Thiere, D. Mazdencioglu, B.M. Meineke, C. Freund, E. Budinger, S. Kliche (<i>Magdeburg, Germany</i>)	3518

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B001	WEDN 9/7/2014, 11:15 - FENS-3756 RELAXIN3 INDUCES ERK1-2 PHOSPHORILATION IN THE AMYGDALA OF RATS H. Albert Gascó, I. Arnal-Vicente, V. Gadea, A. García-Avilés, N. ElMlili, F.E. Olucha-Bordonau, A.M. Sánchez-Pérez (<i>Moncada, Spain</i>)	3540

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