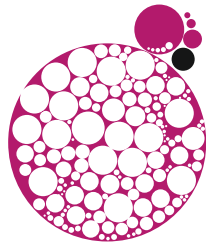




Granada
November 6-8, 2019

**Symposium
program**



Grupo Español de Innovación e Investigación en
Vesículas Extracelulares
GEIVEX
GEIVEX

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**UNIVERSIDAD
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CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



Dear colleague,

GEIVEX is a young, but already consolidated, non-profit organization which exists to promote research, innovation and knowledge exchange in the field of Extracellular Vesicles (EVs). Our aim is to advance personalized medicine by developing new tools and biomarkers with high social impact to generate benefits and equality in global health. The highlight of this year that is coming to an end was our extensive participation in the co-organisation, with the International Society of EVs, of the annual meeting of the International Society for Extracellular Vesicles (ISEV) held in Barcelona last May. Here we present the new activities we are already planning for 2019 and that we hope you might find of interest to your company.

The **5th International GEIVEX symposium** will be held on 6-8th of November 2019 in Granada, Spain. As usual, we expect that most research groups from both Spain and Portugal will attend this meeting, together with a select group of international speakers. On this occasion, we are also planning a **Hands-on workshop** on the pre-meeting day (November 5th) dealing with "Biomarkers and EVs: concepts, advances and technical considerations". We would be happy to organize a hands-on demonstration of any EV-specialised equipment that could be of interest for EV researchers, both in the laboratory and in the clinic. Research in EVs, like many other fields, combines basic and clinical aspects, and this is the basis of our translational work. This 5th International Symposium will focus on novel concepts in EVs. In order to achieve productive discussions and maintain the excellent standards of our symposia, we are already working to provide a list of high-quality keynote speakers for each session.

Above all, we consider this 5th International Symposium in 2019 as an important opportunity to create and strengthen partnerships between professionals dedicated to EVs, from both basic and clinical fields and also to have the opportunity to meet the renowned speakers. The chosen venue will be the Paraninfo of the Granada University (UGR), easily accessible from the city centre by metro and bus and located in the Health Technological Park (PTS), and surrounded by university buildings; School of Medicine; the School of Health Sciences; the University Hospital, as well as research-focused institutions including the Institute of Parasitology and Biomedicine

"López-Neyra" (IPBLN), from the Spanish National Research Council (CSIC); the Pfizer-UGR-Junta de Andalucía Centre for Genomics and Oncological Research (GENYO) , the Biobanco del Sistema Sanitario Público de Andalucía; the BIC Business Center Granada; the Advanced Multifunctional Centre for Simulation and Technological Innovation (CMAT), and the Biomedical Research Centre (CIBM-UGR).

The Paraninfo building comprises the Main Auditorium, Cafeteria and Restaurant, and the Central Sciences Library surrounded by gardens. It offers a relaxed and open environment for interaction between attendees and high visibility for sponsors.

We look forward to your active and enthusiastic participation in the meeting and also to enjoy an exceptional location.

Mercedes Zubiaur and Matilde Bustos
On Behalf of the Local Organizing
Committee

Hernando del Portillo
GEIVEX President

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Local Organizing Committee

Mercedes Zubiaur (Cellular Biology and Immunology Department, IPBLN-CSIC, Granada)

Matilde Bustos (Institute of Biomedicine of Seville— IBIS-CSIC, Seville)

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Concepción Marañón (Centro GENYO, Pfizer-Junta de Andalucía-UGR, Granada)

November 6th

8:00 Registration

8:45 Welcome remarks

Institutional welcome

Welcome by the Local Organizing Committee.

Hernando del Portillo, GEIVEX president

9:15 OPENING LECTURE: JACKY GOETZ – INSERM UMR_S1109, Strasbourg, France

Chair: Hector Peinado (CNIO, Madrid)

10:20 SESSION I: FUNDAMENTAL EVs BIOLOGY

Chairs: Ana C. Abadía Molina (UGR, Granada) and Francisco Sánchez-Madrid (IIS-IP, Madrid)

10:20 **OP1. Dr. Albert Lu.** Department of Biochemistry, Stanford University and Departament de Biomedicina, Unitat de Biologia Cel·lular, Facultat de Medicina i Ciències de la Salut, Universitat de Barcelona. "Exploring extracellular vesicle biology and beyond using unbiased genetic screening approaches"

10:30 **O2. Dr. María Yáñez-Mó.** Departamento de Biología Molecular, CBM-SO/ IIS-IP, Universidad Autónoma de Madrid (UAM) Madrid, Spain. "Biotechnological potential of tetraspanins in the regulation of exosome biogenesis"

10:40 **O3. Sandra Calle.** Departamento de Reproducción Animal, INIA, Madrid, Spain. "Secretome of in vitro bovine embryonic trophoctoderm cell lines contain extracellular vesicles that mediate embryo-maternal mesenchymal stem cell cross talk during implantation."

10:50 **O4. Prof. Jordi Roca.** University of Murcia. "Do extracellular vesicles of pig seminal plasma carry Transforming Growth Factor β 1, β 2 and β 3?"

- 11:00 **O5. Christian Sánchez López.** University Valencia. “Isolation and characterization of Extracellular Vesicles from Pomegranate”
- 11:10 **O6. Dr. Paulo Oliveira.** i3S - Instituto de Investigação e Inovação em Saúde | IBMC - Instituto de Biologia Molecular e Celular. “On the road to uncovering the membrane vesicles' biogenesis mechanisms in cyanobacteria”

11:20 Coffee break

12:00 SESSION II. EVs IN CANCER

Chairs: Juan Antonio Marchal (ibs.GRANADA, IBIMER, CIBM, MNat, UGR, Granada) and Helena Vasconcelos (IPATIMUP, Porto)

- 12:00 **OP7. Ariane Schaub.** CICbioGUNE. “Uncovering the non-cell autonomous tumor suppressive activity of metabolic reprogramming: lessons from prostate cancer.”
- 12:10 **O8. Dr. Laura Nogués.** CNIO. “Targeting NGFR as a novel strategy to block melanoma metastasis”
- 12:20 **O9. Rafael Sánchez Sánchez.** Instituto de Investigación Sanitaria La Fe. “Protective effect of extracellular vesicles derived from mesenchymal stromal cells in cardiotoxicity induced by doxorubicin.”
- 12:30 **O10. Diana Sousa.** i3S- Instituto de Investigação e Inovação em Saúde, Universidade do Porto; Cancer Drug Resistance Group, IPATIMUP - Institute of Molecular Pathology and Immunology of the University of Porto; Department of Biological Sciences, FFUP - Faculty of Pharmacy of the University of Porto, Porto, Portugal
“Distinct regulation of the endocytic pathway between drug-sensitive and multidrug resistant cancer cells may influence their ability to release and capture EVs”
- 12:40 **O11. Dr. Daniela Freitas.** I3S/Ipatimup - University of Porto.
“Different isolation approaches can lead to extracellular vesicle populations displaying diverse cancer-associated glycosylation”
- 12:50 **O12. Elena Durendez-Sáez.** Molecular Oncology Laboratory, Fundación de Investigación Hospital General Universitario de

Valencia - CIBERONC, Valencia, Spain. "Exosomes in NSCLC: a valuable tool for the search of biomarkers"

- 13:00 **O13. M^a Isabel González Gutiérrez.** Inst. de Investigación Sanitaria Gregorio Marañón, Experimental Medicine and Surgery Unit, Madrid, Spain. "Goat milk exosomes; natural nanoplateforms in tumor detection by molecular imaging"

13:15 Lunch

14:20 SPONSORED PRESENTATIONS: IZON

Chairs: Matilde Bustos (CSIC, IBI, Sevilla)



14:40 SESSION III. EVs IN OTHER COMPLEX DISEASES

Chairs: Concepción Marañón (Centro GENYO, Pfizer-Junta de Andalucía-UGR, Granada) and David Otaegui (Biodonostia Health Research Institute, San Sebastián)

- 14:40 **O14. Guillermo Barturen.** GENYO Centre for Genomics and Oncological Research, Granada. "miRNA profiling in urinary extracellular vesicles of systemic autoimmune diseases patients with renal involvement"
- 14:50 **O15. Dr. Ana Ortega.** Cardiometabolic and Renal Risk Research Group, INCLIVA Biomedical Research Institute, Valencia, Spain. "Exosomas microRNA profile associated with albuminuria in hypertensive patients."
- 15:00 **O16. Dr. Irma García-Martínez.** Instituto de Investigaciones Biomédicas Alberto Sols. "Effect of the hepatic extracellular vesicles in inflammation-associated insulin resistance in non-alcoholic fatty liver disease."
- 15:10 **O17. Maria Azparren.** Exosomes laboratory, CIC bioGUNE, CIBERehd, Derio, Bizkaia, Spain. "Study on the enzyme Catechol-O-methyl transferase contained in hepatic extracellular vesicles"
- 15:20 **OP18. Dr. Ana O'Loghlen.** Queen Mary University of London. "Interferon protein 3 mediates cellular senescence in primary fibroblasts"

- 15:30 **O19. Dr. Ana Gámez-Valero.** Universidad de Barcelona.
“Exploratory study on microRNA profiles from plasma-derived Extracellular Vesicles in Alzheimer’s disease and dementia with Lewy bodies.”
- 15:40 **O20. Rut Lorenzo-Castro.** Internal Medicine Department, Alvaro Cunqueiro Hospital, Vigo, Spain. “Study of exosomes derived from activated platelets in Multiple Sclerosis relapse and remission paired patients.”
- 15:50 **OP21. Elsa Silva.** INEB/i3S. “Extracellular vesicles mediate the crosstalk between immune and endothelial cells in HFpEF”
- 16:00 **O22. Dr. Mercedes Zubiaur-Marcos.** IPBLN-CSIC.
“Differences in CD47 and TSP-1 abundance between CD38-deficient and WT mice EVs isolated of peritoneal exudates from lupus mice”

16:15 Coffee break

16:45 FLASH POSTERS PRESENTATIONS and POSTER WALK I

Chair: Marcella Franquesa (IGTP, Badalona)

- P1. Dolores Piniella.** “Development of lentiviral vectors to investigate the role of exosomes in neuron-glia communication in ischemic brain”
- P2. Christian Sánchez López** “Isolation and characterization of Extracellular Vesicles from Phloem Sap”
- P3. Antonio Osuna.** “Extracellular vesicles from the infective trypomastigotes forms of *Trypanosoma cruzi* (DTU I) induce physiological changes in non-parasitized culture cells”
- P5. Natalia Aptsiauri.** “Monitoring the evolution of HLA class I alterations in cancer using tumor derived exosomes”
- P6. Pedro Fuentes Varela** “Connecting extracellular vesicle uptake and exosome biogenesis: intercellular communication in breast cancer cells is ITGB3-dependent”

- P7. Ignacio Reinal Ferré** "Unraveling the cardioprotective mechanisms of MSCs-derived EVs against doxorubicin-induced damage: a study focused on miRNAs"
- P8. Hernán González** "N1ICD Present in Small Extracellular Vesicles Supports Migratory Potential of Breast Carcinoma MDA-MB-231 Cell Line."
- P9. Carmen Campos Silva** "The release of exosomal NKG2D ligands in melanoma is downmodulated by BRAF inhibition"
- P10. Christian Miquel Sánchez López** "Isolation and characterization of circulating exosomes from blood in brain tumors"
- P11. María García Flores.** "Exosome Characterization from Prostate Cancer patients by proteomic approach" and "Comparison of Size Exclusion Chromatography, Differential centrifugation and ExoLutE® Kit as exosome isolation methods in urine of Prostate Cancer Patients."
- P12. Cristina Xavier** "Specific extracellular vesicles secreted by human macrophages decrease sensitivity of BxPC3 pancreatic cancer cells to gemcitabine"
- P13. María Belén García Ortega** "Characterization of Exosomes Derived from Melanoma Cancer Stem Cells"
- P14. Rebeca Busto** "Curcumin stimulation of exosome/microvesicle release is mediated by increased ceramide synthesis"
- P15. Paloma Gonzalez-Rodriguez** "Oxygen and glucose deprivation in an ex vivo rat brain slice model elicits different profiles of extracellular vesicles from hippocampus and cerebral cortex"
- P16. Arsenio Fernández López** "BDNF treatment following oxygen and glucose deprivation induces a differential response in the exosomal miRNA124 levels derived from cerebral cortex and hippocampus slices"
- P17. Neus Martínez-Micaelo** "Adipocyte derived-exosomes are active regulators of hepatocyte function"
- P18. Rosa Roy Barcelona.** "Analysis of DNA content in prostasomes from normozoospermic and non-normozoospermic men"

- P19. Patrícia Gomes.** "Neuronal sorting, degradation and secretion of Tau protein in Stress and Alzheimer's disease pathologies"
- P20. Marta Garrido.** "Identification of miRNAs as potential biomarkers in Extracellular Vesicles from prediabetic urine samples"
- P21. María Pardo.** "Extracellular Vesicles are trojan horses for obese adipose tissue".

21:00 Networking dinner

November 7th

9:00 SESSION IV. LIQUID BIOPSY AND BIOMARKERS

Chairs: Jaime Sancho (IPBLN-CSIC, Granada) and Juan Manuel Falcón Pérez (CICBiogune, Derio)

- 9:00 **O23. Diego De Miguel Perez.** University of Granada. “Extracellular vesicle-miRNAs as liquid biopsy biomarkers for the identification and prognosis in metastatic colorectal cancer patients”
- 9:10 **OP24. Beatriz Martín Gracia.** ICMA-CSIC. “Development of an ultrasensitive lateral flow immunoassay based on the use of gold nanoprisims to detect prostate cancer derived exosomes”
- 9:20 **O25. Dr. Hugo R. Caires.** i3s/IPATIMUP. “Circulating Extracellular Vesicles of Acute Myeloid Leukaemia Patients: a source of biomarkers to Evaluate Residual Disease and Drug Resistance”
- 9:30 **O26. Dr. Francisco-Javier Blanco.** Dpt. Bioquímica y Biología Molecular (3) e Inmunología, Universidad de Granada. “Diagnostic value of the exosome-transported miRNAs associated with hereditary hemorrhagic telangiectasia (HHT)”
- 9:40 **O27. Jone Ibáñez-Perez.** Human Reproduction Unit, Cruces University Hospital, Biocruces, University of the Basque Country, Bilbao, Spain; Exosomes Laboratory, CIC bioGUNE, Bizkaia Technology Park, Derio, Spain. “Extracellular vesicles as non-invasive diagnostic biomarkers of implantative endometrium.”

10:00 MORNING LECTURE: DAVE CARTER, *Department of Biological and Medical Sciences, Oxford Brookes University, President of the UK Society for EVs.*

Chair: Hernando del Portillo, GEIVEX president, ISGlobal and IGTP, Badalona, Spain

11:15 Coffee break

11:45 SESSION V. ADVANCES IN EV METHODOLOGY

Chairs: Mercedes Zubiaur (IPBLN-CSIC, Granada) and María Yáñez-Mó (UAM, Madrid)

11:45 **OP28. Víctor Toribio.** Departamento de Biología Molecular. Universidad Autónoma de Madrid (UAM), Madrid, Spain. "Unravelling EV uptake"

11:55 **OP29. Elena Blázquez López.** Laboratorio de Investigación en Hepatología y Gastroenterología. Instituto de Investigación Sanitaria Gregorio Marañón. "Novel use of a lineage reporter mouse strain for the in vivo tracking of the cellular origin of extracellular vesicles (EVs)."

12:05 **OP31. Jose Antonio Laz-Ruiz.** NanoChemBio Group, GENYO: Pfizer, Universidad de Granada-Junta de Andalucía Centre for Genomics & Oncological Research, Health Science; Department of Medicinal & Organic Chemistry, University of Granada, Granada, Spain. "Detection and isolation of extracellular vesicles (EVs) using a nanodevice based on antibody specific recognition"

12:15 **O32. Desire Herreros Pérez.** Inst. de Investig. Sanitaria Gregorio Marañón, Experimental Medicine and Surgery Unit, Madrid, Spain. "New tools in the engineering exosomes for nanomedicine applications"

12:25 **O33. Virginia Albaladejo García.** Inst. de Investig. Sanitaria Gregorio Marañón, Experimental Medicine and Surgery Unit, Madrid, Spain. "Curcumin loaded goat's milk derived exosomes as a natural drug delivery nanoplatform"

12:45 Lunch

14:00 SPONSORED PRESENTATIONS

Chairs: Matilde Bustos (CSIC, IBI, Sevilla) and David Carter (Oxford Brookes University)

14:00 IESMAT



14:20 NANOVIEW



14:40 CELL GUIDANCE



15:00 GEIVEX activities and general assembly. Presentations of GEIVEX Mobility fellows. Networking with ISEV and other National Societies

16:00 AFTERNOON LECTURE: MARTIN OLIVIER, *Professor at the Department of Microbiology and Immunology, McGill University, Montreal, Canada*
Chair: Antonio Marcilla (UV, Valencia)

17:00 Coffee break

17:30 SESSION VI. EVs IN INFECTION AND IMMUNITY

Chairs: Antonio Osuna (UGR, Granada) and Mar Valés-Gómez (CNB, Madrid)

17:30 O34. Dr. Iris Estrada-García. Depto. Inmunología, Escuela Nacional de Ciencias Biológicas, IPN. "Exovesicles released by Mycobacterium tuberculosis infected human neutrophils activate autologous M. tuberculosis T CD4 + cells"

17:40 O35. Susana Benet. IrsiCaixa AIDS Research Institute, Badalona, Spain. "Dissemination of Mycobacterium tuberculosis is associated to a SIGLEC-1 null variant that limits antigen exchange via trafficking extracellular vesicles"

17:50 O36. Prof. Christopher Fernández-Prada. Faculté de Médecine Vétérinaire, Dept. Pathologie et microbiologie, Université

de Montréal, Canada. Faculty of Medicine, McGill University, Canada "Novel exosome-based biomarkers for the diagnosis of drug-resistant parasites"

18:00 **O37. Haruka Toda.** Plasmodium vivax and exosome research group. ISGlobal and IGTP, Badalona, Spain."Concealment of Plasmodium vivax parasites in the human spleen is mediated by plasma-derived extracellular vesicles from natural vivax infections"

18:10 **O38. Dr. Sergio Montaner Tarbes.** Innovex Therapeutics SL; Departament de Ciències animals Universitat de Lleida. "Selective recruitment of viral and porcine proteins in serum-derived extracellular vesicles from African Swine Fever virus infected pigs"

18:20 **O39. Lidia Hermida Nogueira.** Platelet Proteomics Group, Center for Research in Molecular Medicine and Chronic Diseases (CIMUS), Universidade de Santiago de Compostela, and Instituto de Investigación Sanitaria (IDIS), Santiago de Compostela, Spain."A large proteomic analysis of extracellular vesicles derived from platelet concentrates identifies biomarkers of platelet storage lesion"

18:30 **O40. Dr. Ana Santos-Coquillat.** Instituto Investigación Sanitaria Gregorio Marañón. "Non-invasive detection of inflammation processes using fluorescent milk exosomes"

18:40 **O41. Dr. Jaime Sancho.** IPBLN-CSIC. "Distinct proteomic signature of two different EV types present in peritoneal exudates from mice with pristane-induced lupus"

18:50 **O42. Olga Martínez Arroyo.** Cardiometabolic and Renal Risk Research Group, INCLIVA Biomedical Research Institute, Valencia, Spain. "Urinary exosomal mir-146a associated with changes in lupus activity and renal dysfunction through TRAF6 regulatory axis"

19:00 FLASH POSTERS PRESENTATIONS and POSTER WALK II.

Chair: Francisco J. Blanco (UGR, Granada)

P22. Inmaculada Ibáñez De Cáceres. "Preclinical validation of an epigenetic panel of seven miRNAs at early stages NSCLC patients and its prognostic implications in plasma exosomes from advanced stages patients."

- P23. Zoraida Andreu.** "Combinatorial Approach for the High Through Screening (HTS) of Exosome Biogenesis and Release Inhibitors"
- P24. Joaquin Espi.** "In vitro evaluation of the immunomodulatory effect of isolated EVs using a scalable methodology"
- P25. Meritxell Llorens.** "Extracellular Vesicles (EVs) isolation and characterization in HCV-infected patients. "
- P26. Beatriz Benayas** "Exosome-mimetics as potential biotechnological vaccines"
- P27. M^a Isabel González Gutiérrez** "In vivo tracking of exosomes by nuclear imaging"
- P28. Pedro José Alcolea.** "A survey on the protein content of exosomes from Leishmania infantum axenic promastigotes and intracellular amastigotes"
- P29. Maria Jose Alcaraz.** "Extracellular Vesicles from adipose-derived mesenchymal stem cells modulate different inflammatory processes in the innate immune response"
- P30. Inês Costa.** "Evaluation of the Serological Potential of Leishmania Promastigote EVs in the Detection of Human Leishmaniasis"
- P31. Isabel Diaz Lozano.** "Purification of extracellular vesicles from mouse plasma for the identification of biomarkers for enterovirus induced diabetes"
- P32. Raquel Martínez.** "Candida albicans yeast and hyphal morphologies influence protein composition and physical characteristic of secreted extracellular vesicles (EVs)."
- P33. Alicia Galiano.** "The immunization with extracellular vesicles isolated from plasma of bovine animals infected with F. hepatica elicit a humoral response in the mice but it does not protect against the experimental infection"
- P34. Núria Cortés Serra.** "Extracellular vesicles from biological fluids as novel potential biomarkers for chronic Chagas Disease"
- P35. Sofia Esteves.** "Serological evaluation of Leishmania promastigotes EVs in Canine Leishmaniasis"
- P36. Iris Aparici Herraiz.** "Construction of a humanized spleen mouse model to study the role of extracellular vesicles from

natural vivax malaria infections as intercellular communicators.”

- P37. Francisco Gabriel Ortega Sánchez.** “Interfering with endolysosomal trafficking enhances release of bioactive exosomes”
- P38. Miquel Antich Rosselló.** “Platelet derived extracellular vesicles induce osteoblast differentiation”
- P39. Marc Buigues Caravaca.** “Extracellular vesicles derived from mesenchymal stromal cells as a protective agent against doxorubicin induced cardiotoxicity.”
- P40. Marta Gómez-Ferrer.** “Extracellular vesicles enhanced by in vitro preconditioning and genetic modification of MSCs show increased immunosuppression capacity in delayed-type hypersensitivity mouse model.”
- P41. Tânia Soares Martins.** “Fourier Transformed Infrared Spectroscopy of Extracellular Vesicles as a Diagnostic Tool for Alzheimer’s Disease”
- P42. Marcella Franquesa.** “Immunomodulatory effect of MSC on B cells is independent of secreted extracellular vesicles”
- P43. Catarina Roma-Rodrigues.** “Modulation of cancer cell derived exosomes biogenesis via gold nanoparticles”
- P44. Edward Milbank.** “Exosome-mediated targeting of hypothalamic AMPK α 1 corrects obesity through BAT activation”
- P45. Carina Henriques.** “Extracellular vesicles-associated AAVs as gene delivery vectors for the treatment of brain diseases”

November 8th

9:00 SESSION VII. EVs-BASED THERAPY AND TRANSLATIONAL MEDICINE

Chairs: Juan Antonio Lorente (GENYO, UGR, Granada) and Bernd Giebel (University Hospital Essen, President of GSEV, German Society of EVs)

- 9:00 **O43. Dr. Susana Santos.** i3S - Instituto de Investigação e Inovação em Saúde, INEB; Instituto Nacional de Engenharia Biomédica and ICBAS; Instituto de Ciências Biomédicas Abel Salazar, Universidade do Porto, Portugal. “Extracellular Vesicles for tissue repair/regeneration: recruiting Mesenchymal Stem/Stromal Cells”
- 9:10 **OP44. Sergio Esquivel Ruiz.** Department of Pharmacology and Toxicology, School of Medicine, Universidad Complutense de Madrid. “The ability of extracellular vesicles derived from mesenchymal stem cells to limit pulmonary vascular dysfunction is enhanced by hypoxic preconditioning.”
- 9:20 **O45. Dr. Lino Ferreira.** Faculty Medicine, University of Coimbra. “The Kinetics of Small Extracellular Vesicle Delivery Impacts Skin Tissue Regeneration”
- 9:30 **OP46. Dr. Marta Monguió-Tortajada.** REMAR-IVECAT Group and ICREC Research Program, Health Science Research Institute Germans Trias i Pujol (IGTP), Can Ruti Campus, Badalona, Spain. “Extracellular vesicles boost the regenerative therapeutic potential of engineered cardiac scaffolds inducing angiogenesis and reducing macrophage infiltration in post-infarcted myocardium”
- 9:40 **O47. Dr. Catarina Roma-Rodrigues.** UCIBIO, Departamento de Ciências da Vida, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Campus Caparica, Portugal. “Evading angiogenesis mediated by chronic myeloid leukaemia derived exosomes with antiangiogenic gold nanoparticles – an in vivo study”
- 9:50 **O48. Dr. Lydia Alvarez-Erviti.** Molecular Neurobiology, Center for Biomedical Research of La Rioja. “Prevention of parkinsonian phenotype with exosomal delivery of shRNA minicircles”

10:00 **O49. David Rufino-Ramos.** CNC. "An extracellular vesicle-based system to deliver silencing sequences for therapy of Machado-Joseph disease/ Spinocerebellar Ataxia type-3"

10:10 **O50. Miriam Diaz-Varela.** Plasmodium vivax and exosome research group. ISGlobal and IGTP, Badalona, Spain. "Exploration of extracellular vesicles as a novel approach for antigen discovery and vaccine development against Plasmodium vivax malaria"

10:30 Coffee break

11:00 CLOSING CONFERENCE: SAI KIANG LIM *Agency for Science, Technology and Research (A*STAR), Institute of Medical Biology (IMB), Vicepresident of SOCRATES (Society for Clinical Research and Translation of Extracellular Vesicles Singapore)*
Chair: Hernando del Portillo (ISGlobal, Barcelona)

12:00 ROUND TABLE DEBATE: PAST, PRESENT AND FUTURE.

12:00-12:15 Bernd Giebel, "Raising the level"

12:15- 13:30 Discussants:

Sai Kiang Lim (*A*STAR and IMB, Singapore*)

Jose Antonio López-Guerrero (*IVO, Valencia*)

Bernd Giebel (*University Hospital Essen*)

José Antonio Lorente Acosta (*GENYO, UGR, Granada*)

Dave Carter (*Department of Biological and Medical Sciences, Oxford Brookes University, President of the UK Society for EVs*)

13:30 CLOSING REMARKS AND AWARDS

The Venue

The meeting will take place at the Paraninfo from the University Health campus. This venue offers a large auditorium with a hall of 335 square meters in which poster sessions, coffee breaks and sponsors stands will take place to ensure high visibility of the different activities.



GPS coordinates: 37.148504, -3.603385

The city of Granada

Granada is a crossroads of civilizations since time immemorial. Granada is a vibrant, friendly and lively city that is full of culture. The Alhambra, the flagship of the city's vast historical heritage, stands on a hilltop overlooking a city that attracts around three million visitors every year.

Granada is a safe modern city, which has an outstanding geographical location just 40 minutes from the Mediterranean Coast with its tropical climate, and 40 minutes from the Sierra Nevada ski resort. Granada belongs to the UNESCO Creative Cities Network (UCCN) in the Literature category. Granada, an iconic city in literature from Yehudá Ibn Tibón (1120-1190) and Ibn Zamrak (1333-1394), to Ángel Ganivet (1865-1898) Federico García Lorca (1895-1936) and Francisco Ayala García-Duarte (1906-2009). Granada has festivals, institutions and facilities related with visual arts, performing

arts, film and music that make up a stimulating and content-rich cultural life throughout the year. The Granada Festival of Music and Dance was born in the Alhambra to gather and to convey that heritage, to strengthen the link between the imagined city and the real one, between the popular and cultural Andalusian tradition and the vast legacy of the great European musical culture. The Alhambra and Generalife Trust, Euro-Arabic Advanced Studies Foundation, Francisco Ayala Foundation, Academy of Letters, as well as festivals and private-public initiatives of all kinds. Moreover the Centro Federico Garcia Lorca was recently opened in the city center.

The Alhambra was a palace, a fortress and a citadel; the residence of the Nasrid Sultans and top government officials, court servants and the royal guard. The Nasrid Kingdom became the last Islamic sultanate on the Iberian Peninsula, and its capital Granada progressively received Muslim populations forced to retreat from the Christians until it was conquered at the end of the 15th century.

UNESCO declared the Albaicín World Cultural Heritage in 1994, a neighborhood in front of the Alhambra with lovely narrow streets and traditional houses. The Albaicín have also preserved a popular, hospitable atmosphere for hundreds of years.

In Granada you can find mountains, parks and valleys, along with the coast. The Sierra Nevada Nature Area, comprising its National Park and Nature Park, is a mountain range which boasts the highest peak on the Iberian Peninsula: Mulhacén (3,482 metres). It forms part of the Penibetic range, which stretches from the south-eastern part of Granada province to the western borders of Almería. Due to the great variety of its landscapes and the uniqueness of its natural features, Sierra Nevada is included in several different categories of protection. Apart from being a Nature Park and National Park, it is also an internationally recognised Biosphere Reserve. The coast of Granada in Spain is called Costa Tropical, due to its special location, protected by the high Sierra Nevada Mountains from the north wind.

Granada is one of the main references of Flamenco in Spain, especially in the Sacromonte caves.

How to get to Granada

Flying to Granada

Granada-Jaén GRX airport is 15 kilometres (9.3 miles) from the city centre. Operating times for the Airport Bus Line.

For passengers with reduced mobility, ask for assistance by telephone, at least, 24h in advance T 902 42 22 42 www.alsa.es.

Driving to Granada

The A-44 and A-4 highways link Granada and Madrid. The A-92 links Granada to Seville and Malaga. The A-92 also connects to the Levant, continuing the route along the A-7. The A-44 links Granada with Motril on the Tropical Coast.

Coming to Granada by bus

From Granada bus station you can travel anywhere in Spain and to Europe's main destinations (<http://www.alsa.es>).

Coming to Granada by train

Granada railway station is in the city centre. On Avenida Andaluces.

You can consult the timetables of trains to and from Granada on the Renfe website (<http://www.renfe.com/>)

How to get to the Paraninfo

The Paraninfo PTS, School of Medicine, University of Granada (UGR). Av. de la Ilustración number 80, 18016 Granada

By Bus: Bus numbers: 4; U3; U3FR (<http://www.transportesrober.com/>)

By Metro: Metro station Parque Tecnológico (<https://metropolitanogranada.es/inicio>)

General information

Symposium registration

A registration desk will be from **November 6th at 8 am**. The desk will allow onsite registration.

Language

The symposium language is English. Simultaneous translation will not be provided.

Lunch and Coffee breaks

Lunch and coffee breaks are included in the registration fee.

Poster exhibition

Poster must be in 120 cm height by 90 cm width. Posters will be on display from November 6th to November 8th. **All posters will be presented as FLASH TALK (2 min) before the corresponding POSTER WALK SESSION.** Presenters are kindly requested to stand by their poster during the indicated time.

Poster walk	Flash poster session	Presence at poster	Poster mounting time	poster removal time
I	Wednesday	17:45-18:45	Wednesday 6th From 8am	Friday 12:00-13:00
II	Thursday	20:00-21:00	Wednesday 6th From 8am	Friday 12:00-13:00

Oral presentation

It is essential for the smooth running of the congress that all speakers hand in their power point presentation or pdf at least one hour before the beginning of the session. Symposium assistant staff will be available to upload your presentation. Oral presentation should last 5 to 7 minutes followed by 3 minutes for discussion.

Prizes

One prize will be awarded to the best poster presentation (150€) and another to the best oral presentation (250 €).

Internet access

Free wireless internet access will be available in the symposium venue.

SSID: cviugr

USER: geivex@invitados.ugr.es

PASSWORD: UGR+5GEIVEX

Certificates

Certificates of attendance and oral presentations will be provided after the event.

Some Hotels near the venue

Nevada Palace

Saray

Barceló Carmen

Urban Dreams

Ibis

Andalucía Center



Scientific Meeting Grant fund EA131
from The Company of Biologist

