



Tuesday, October 24th

Time	Talk / Poster title	Speaker
8:00	Registration	
9:00	Welcome <i>Prof M^a Isabel Lucena, Department of Pharmacology, School of Medicine, chair of the LOC; Prof. Juan Jose Hinojosa Torralvo, Dean of the Law Faculty, and Prof. Zaida Díaz Cabiale, Research and Innovation Vice Chancellor from UMA</i>	
9:30	Opening Lecture <i>Chair: Juan Manuel Falcón Pérez [CIC bioGUNE-RTA, CIBERehd, Derio (GEIVEX)]</i> “EVs and Parasitic Diseases: let’s MOVE-on”	Hernando del Portillo
10:15	Session I: Parasitic EVs <i>Chairs: Juan Manuel Falcón Pérez and Susana Santos [i3S - Instituto de Investigação e Inovação em Saúde, Universidade do Porto (PNEV)]</i>	
	O1. "Functional characterization of a hypothetical spleen-dependent <i>P. vivax</i> gene and the role of EVs in spleen-parasite interactions"	Albert Ayllón
	O2. "Proteomic profiling of plasma-derived extracellular vesicles in patients with visceral leishmaniasis: a biomarker discovery. "	Ana Torres
	O3. "Are Extracellular Vesicles from trematodes sufficient to cause fibrosis in liver? Evaluation of the effects of EVs in vitro and in vivo."	Christian Miquel Sánchez-López
	O4. "Multiparametric study to optimize EV production for immunomodulatory potential"	Christophe Wong
11:10	Coffee break	
11:45	Session II: Infection and interspecies communication <i>Chairs: Esther Nolte-'t Hoen [Utrecht University (NLSEV)] and Nele De Langhe [Ghent University (BESEV)]</i>	
	O5. "Intercellular communication strategies of human polyomaviruses: The role of extracellular vesicles in Merkel cell polyomavirus pathogenesis."	Ute Andrea Westerkamp
	O6. "Impact of <i>Klebsiella pneumoniae</i> outer membrane vesicles on antibiotic resistance"	Marie Burt
	O7. "SARS-CoV-2 infection during pregnancy alters profile of placenta-derived extracellular vesicles indicating placental dysregulation"	Isabel Graf
	O8. "RNA profiles of plasma extracellular vesicles in patients with sepsis"	Berit Brusletto
	O9. "Colorectal cancer EVs alter the gut microbiome"	Rawan Maani



- O10. "Amniotic fluid stem cells-derived extracellular vesicles reprogram dendritic cell functions in autoimmune neuroinflammation" Giorgia Manni
- O11. "Study of the anti-inflammatory effects of industrial-produced lemon nanovesicles on inflammatory bowel disease" Vincenza Tinnirello
- O12. "Inflammatory modulation through proteolytic active extracellular vesicles and bacteriomimetic vesicles" Yildiz Daniela
- O13. "Tetraspanins as an immunogenic adjuvant in lipid nanovesicles" Fernando del Burgo

13:30 Lunch Break

14:45 Afternoon lecture

Chair: Benedetta Bussolati [Department of Molecular Biotechnology and Health Sciences, University of Torino (EVita)]

"Harnessing Nature's nanoSecrets: Microalgal-Derived Extracellular Vesicles as Bio-Based Nanoparticles for next-level Pharmaceutical and Cosmetic applications" Antonella Bongiovanni

15:30 Session III: Cardiovascular and metabolic diseases

Chairs: Benedetta Bussolati and

María Pardo Pérez [Instituto de Investigación Sanitaria De Santiago (GEIVEX)]

- O14. "PLANT EDIBLE EVs MODULATES THE INFLAMMATORY RESPONSE IN AN ACUTE PANCREATITIS MODEL" Christian Miquel Sánchez-López
- O15. "INTERORGAN CROSSTALK THROUGH EVs AND THEIR IMPLICATION IN OBESITY: FUNCTIONAL ROLE AND CARGO OF BIOMARKERS" Nerea Lago Baameiro
- O16. "Adipocyte-derived extracellular vesicles are endocrine regulators of insulin secretion in mice" Konxhe Kulaj
- O17. "Microvesicles display opposite coagulolytic balance according to their cellular origin and activation status" Akhil Antony Konkoth

16:30 Coffee break

17:15 Session IV: Fundamental EVs Biology

Chairs: Christian Neri [INSERM (FSEV)] and

Wolf Holnthoner [Ludwig-Boltzmann-Institute for Traumatology (ASEV)]

- O18. "Extracellular lipid vesicles induce Ca²⁺ signals in target cells" Alina Milici
- O19. "Genome-Wide-CRISPR/Cas9 screening identifies the COMMANDER recycling complex as a key player in EV cargo delivery" Miguel Palma-Cobo



- O20. "Unravelling molecular drivers of extracellular vesicle-mediated cargo transfer" Maria Laura Tognoli
- O21. "A role for integrin beta 1 in extracellular vesicle-mediated functional RNA delivery" Omnia Elsharkasy
- O22. "siRNA screening using a novel rapid radioactive-based assay reveals a role for SNAP29 in exosome release" Krizia Sagini
- O23. "Exploring the Versatile Role of LAMP2A: Insights into Exosomal Cargo Loading and Endosomal Identity in Inter-Cellular Communication" Joao Vasco Ferreira

18:30 poster walk I (with wine and cheese)

- P1.1 "Surface functionalizations for the preferential capture of extracellular vesicle" Cristina Potrich et al.
- P1.2 "Isolation of astrocytes-derived extracellular vesicles from brain, to decipher their influence on recovery after stroke" Hind Haj Ahmad et al.
- P1.3 "Genetic and metabolic factors affecting EV-secretion in *Bacillus cereus*" Tanja Edelbacher et al.
- P1.4 "Role of Extracellular Vesicles in Müller glia-neuron crosstalk during neuroinflammation" Cristiano Lucci et al.
- P1.5 "Investigating the behavior of extracellular vesicles after a neuroinflammatory stimulus" Lien Cools et al.
- P1.6 "Adipocyte-derived extracellular vesicles: the quest for a proper isolation protocol" Lisa Mennens et al.
- P1.7 "Transparent reporting and centralizing knowledge in bacterial extracellular vesicle research" Nele De Langhe et al.
- P1.8 "Fecal extracellular vesicles: potential applications in disease diagnosing, prognosis, and monitoring" Chanaka Premathilaka et al.
- P1.9 "Studies of extracellular vesicle heterogeneity at the single vesicle level" Reet Kurg et al.
- P1.10 "Quantitative proteomic analysis of serum-purified exosomes identifies putative antimonial failure-associated biomarkers in immunosuppressed mice with visceral leishmaniasis" Lorena Bernardo et al.
- P1.11 "Identification and characterization of plasma-derived extracellular vesicles in burn-septic shock patients" Martina Schiavello et al.
- P1.12 "Evaluation of different fluorescent labelling strategies to track exosome biogenesis, loading, and delivery " Rebecca Piccarducci et al.
- P1.13 "A different perspective on EV surface engineering: the protein corona "variable"" Miriam Romano et al.
- P1.14 "Multi-platform ligands for Extracellular Vesicles integrated isolation and analysis" Marina Cretich et al.
- P1.15 "B cell receptor engagement boosts the secretion of extracellular vesicles that modulate activation capacity in human B lymphocytes" Saara Hämälistö et al.



P1.16 "Production and characterization of <i>Saccharomyces cerevisiae</i> extracellular vesicles containing recombinant PQLC2, a lysosomal amino acid membrane transporter. "	Jose Luis Vázquez-Ibar et al.
P1.17 "Detection of tumor-derived extracellular vesicles interactions with immune cells is dependent on EV-labelling methods"	Lorena Martin Jaular et al.
P1.18 "Development of EV tools labelled with fluorescent or luminescent cargos"	Etienne Lourdin-de Filipis et al.
P1.19 "Spatio-temporal analysis of the intercellular transfer of extracellular vesicles between mammary cells"	Simon Marie et al.
P1.20 "Multiparametric characterization of the secretome produced by mesenchymal stromal cells: towards regulatory compliance"	Elise Madec et al.
P1.21 "Workflow optimization for the isolation and characterization of human milk extracellular vesicles"	Jose Luis Moreno Casillas et al.
P1.22 "Analysis of protein and miRNA cargo of human conjunctival EVs"	Laura García-Posadas et al.
P1.23 "Study of host-symbiont communication mediated by extracellular vesicles in <i>Blattella germanica</i> "	David Saiz-Martínez et al.
P1.24 "Effects of Growth Medium and Incubation Time on Fungal Extracellular Vesicles: Insights into Differential Composition and Characteristics""	Lucia Monteoliva et al.
P1.25 "Protection Against Invasive Candidiasis with Vesicle Immunization: Promising Advances towards an Effective Vaccine"	Raquel Martínez López et al.
P1.26 "Optimization of EV isolation and their separation from lipoproteins by size exclusion chromatography"	Joaquín Morales et al.
P1.27 "ELECTROCHEMICAL SENSOR FOR POINT-OF-CARE QUANTIFICATION OF EXTRACELLULAR VESICLES "	Maria del Carmen Blanco Lopez et al.
P1.28 "Comparative analysis of extracellular vesicle-derived protein extraction methodologies for mass spectrometry analysis"	Carmen Ráez Meseguer et al.
P1.29 "COMPARISON OF METHODS FOR ISOLATING EXTRACELLULAR VESICLES FROM HUMAN PLASMA"	Esther Serrano-Pertierra et al.
P1.30 "In vitro binding of seminal extracellular vesicles (sEVs) to porcine sperm increases with co-incubation time."	Ana Parra et al.
P1.31 "Proof of concept of using a membrane-sensing peptide for sEVs affinity-based isolation"	Beatriz Benayas et al.
P1.32 "Characterisation of circulating microvesicle content in horse plasma in the search of biomarkers for the diagnosis of equine metabolic syndrome."	Beatriz Ortiz Guisado et al.
P1.33 "Study of the in vivo biodistribution of hepatocyte-released extracellular vesicles in mice models for metabolic syndrome progression"	Clara Garcia Vallicrosa et al.
P1.34 "RNA-seq in blood circulating EVs shows the presence of bacterial RNAs in multiple sclerosis patients."	David Otaegui et al.



P1.35 "CD44 may be a universal protein marker for the identification of porcine seminal extracellular vesicles"	Isabel Barranco et al.
P1.36 "Small extracellular vesicles but not microvesicles from the parasitic liver-fluke <i>Opisthorchis viverrini</i> promote cell proliferation in human cholangiocytes"	Javier Sotillo et al.
P1.37 "Attenuation of SASP through sEV biogenesis interruption"	Juan Antonio Fafian Labora et al.
P1.38 "CHARACTERIZATION OF EVs FROM APOPLASTIC FLUID OF CAROB PULP: ANTI-INFLAMMATORY AND ANTIBACTERIAL ACTIVITY "	Mari Cruz Manzaneque-López et al.
P1.39 "INVOLVEMENT OF EXTRACELLULAR VESICLES SECRETED BY INFECTED CELLS ON THE PERSISTENCE OF THE DISEASE. LONG COVID, DIAGNOSIS AND PROGNOSIS."	Pilar Martin Duque et al.
P1.40 "Characterization of Mesenchymal Stromal Cells derived Extracellular Vesicles from 3D Hollow-fiber Bioreactor culture"	Marta Sanroque Muñoz et al.
P1.41 "Proteomics profile of peritoneal EVs from CD38-deficient lupus mice reflects a defective expression of the immunoproteasome and increased abundance of proteins related with inflammatory-resolving processes."	Mercedes Zubiaur et al.
P1.42 "A method compatible with a clinical setting to isolate extracellular vesicles from cerebrospinal fluid"	Nil Salvat-Rovira et al.
P1.43 "ORGAN-ON-A-CHIP TECHNOLOGY TO STUDY EXTRACELLULAR VESICLES-MEDIATED CRYPTIC INFECTIONS IN MALARIA"	Núria Sima Teruel et al.
P1.44 "Sephacose CL-2B is more efficient than CL-6B for isolating porcine seminal extracellular vesicles in purity by size exclusion chromatography."	Pablo Martínez-Díaz et al.
P1.45 "Regulation of cell envelope remodeling to mediate EV production in the human pathogen <i>Mycobacterium tuberculosis</i> "	Rafael Prados-Rosales et al.
P1.46 "The profiling of extracellular vesicle subpopulations in human Huntington's disease brains identifies Alix as a novel neuropathology marker"	Rocío Pérez-González et al.
P1.47 "Fida: A novel technique for determination of protein binding on Extracellular Vesicles "	Anna-Kristin Ludwig et al.
P1.48 "Small particles carrying great potential – Extracellular vesicles in Parkinson's disease research"	Fanni Annamaria Boros et al.
P1.49 "Unraveling signaling mechanisms of renal extracellular vesicles in ciliopathies"	Alina Frei et al.
P1.50 "Pro-coagulant extracellular vesicles mediate smoking-induced pulmo-vascular inflammation"	Isabell Burhorst et al.
P1.51 "Bacterial extracellular vesicles repress the vascular protective factor RNase1 in human lung endothelial cells"	Isabell Burhorst et al.
P1.52 "Extracellular vesicles cargo of the proteolytically active ADAM10 or ADAM17 shape the inflammatory response and drive disease severity "	Ahmad Aljohmani et al.



P1.53 "Enhance small RNA NGS analyses with caRNAge - Bias detection, ncRNA isoforms and improved validation chances"	Kirchner Benedikt et al.
P1.54 "Role of extracellular vesicles in the pathophysiology of Alzheimer's disease; modulation of amyloid β aggregation"	Mohsin Shafiq et al.
P1.55 "Bacterial vesicles block viral replication in macrophages via TLR4-TRIF-axis"	Marie Burt et al.
P1.56 "TFF and SEC may lead to loss of a pro-angiogenic effect in Müller cell-conditioned media"	Melanie Schwämmle et al.
P1.57 "ROLE OF THE PRION PROTEIN IN EXTRACELLULAR VESICLES UPTAKE"	Santra Brenna et al.
P1.58 "The presence of cell-free DNA in plasma-derived small extracellular vesicles"	Kristína Lichá et al.
P1.59 "Metagenomic profiling of fecal-derived bacterial membrane vesicles in non-alcoholic fatty liver disease and drug-induced liver disease"	Cristina Rodriguez Diaz et al.
P1.60 "A novel spectral flow cytometry workflow to assess the RNA topology of submicron particles"	Jillian Bracht et al.
P1.61 "CHARACTERIZATION OF EXTRACELLULAR VESICLES FROM NEURONAL PRIMARY CULTURES"	M ^a Teresa Fernández Sánchez et al.
P1.62 "Developing a scalable method for isolating and purifying milk-derived extracellular vesicles"	Alberto Dávalos et al.
P1.63 "The miRNA cargo of jejunal extracellular vesicles depends on the level of insulin resistance in patients with morbid obesity"	Ailec Ho Plágaro et al.
P1.64 "The effects of fecal-microbe-derived extracellular vesicles on intestinal mRNA expression depend on the type of patient"	Flores Martín Reyes et al.
P1.65 "The inflammatory microenvironment generated in acute pancreatitis modify the surface of circulating exosomes increasing their inflammatory activity"	Daniel Closa et al.
P1.66 "Proteomics of Circulating Extracellular Vesicles in Patients with Bacterial sepsis"	Kari Bente Foss Haug et al.
P1.67 "MARCO as a potential human biomarker present in plasma-derived extracellular vesicles from a patient co-infected with Leishmania and HIV "	Nuno Santarem et al.
P1.68 "The liver stage of Plasmodium infection – written in extracellular vesicles?"	Bárbara Teixeira et al.
P1.69 "Functional characterization of hiPSC-derived endothelial cells as an in vitro model for studying EV-mediated tissue repair in myocardial tissue"	Monika Orpel et al.
P1.70 "The impact of graphene-based substrates on proangiogenic properties of human mesenchymal stem cells and their extracellular vesicles - significance for cardiovascular repair"	Sylwia Noga et al.
P1.71 "Manganese overexposure induces the release of manganese-loaded extracellular vesicles in microglia"	M. Rosario Sepulveda et al.



- P1.72 "Modifications in the protein corona of exosomes after exposure to the inflammatory microenvironment generated during acute pancreatitis" Montserrat Carrascal et al.
- P1.73 "Transport of RNA from mouse to bacteria via extracellular vesicles: probing specificity and function" Xiaochen Du et al.
- P1.74 "Identification and characterization of Trypanosoma cruzi proteins present in circulating EVs from patients with chronic Chagas Disease" Berta Barnadas et al.
- P1.75 "Proteasome activity is increased in Extracellular Vesicles isolated from the plasma of Fasciola hepatica-infected cattle" Aranzazu González et al.
- P1.76 "Viral GPCR-activated EV release as a novel therapeutic target in brain cancer" Lotte Di Niro et al.



Wednesday, October 25th

Time	Talk	Speaker
9:00	<p>Morning lecture</p> <p><i>Chair: Charlotte Lawson [Royal Veterinary College, London (UKEV)]</i></p> <p>“Convergence of G protein-coupled receptor (GPCR) and extracellular vesicle biology”</p>	Martine Smit
9:45	<p>Session V: Cancer immunity</p> <p><i>Chairs: Jason Webber [Swansea University (UKEV)] and Basant Kumar Thakur [University Hospital Essen (GSEV)]</i></p>	
	O24. "Tumour endothelial cells derived – extracellular vesicles control the local and systemic anti-tumor immune response modulating mTOR/G-CSF pathway"	Alessandro Sarcinella
	O25. "Colorectal cancer-derived extracellular vesicles affect the immunomodulatory properties of hepatocytes supporting liver metastatic colonization"	Elisa Costanzo
	O26. "Using Menstrual Blood-Derived Stromal Cell Secretome for Shifting Tumor-Associated Macrophages towards an Immunoreactive Phenotype"	María Ángeles de Pedro
	O27. "Effect of plasma-derived small EVs from HNSCC patients on NF- κ B signaling in macrophages"	Diana Huber
	O28. "Modulation of PDAC immune response through cancer EVs"	Carolina Dias
10:50	Coffee break	
11:30	<p>Session VI: EVs in Cancer progression</p> <p><i>Chairs: Marina Cretich [National Research Council of Italy, Istituto di Scienze e Tecnologie Chimiche (EVita)] and Kendra Maass [DKFZ/KitZ Heidelberg (GSEV)]</i></p>	
	O29. "Extracellular vesicle microRNAs contribute to Notch signaling pathway in T-cell acute lymphoblastic leukemia."	Tommaso Colangelo
	O30. "Chromatinized DNA derived from AML extracellular vesicles alters bone marrow mesenchymal stem cells behavior by inducing non-mutational dysfunction of p53"	Jamal Ghanam
	O31. "YBX1 containing small EVs derived from AML influences osteogenic differentiation of mesenchymal stromal cells in the bone marrow microenvironment"	Venkatesh Kumar Chetty
	O32. "Breast adipose tissue-derived extracellular vesicles from women with obesity stimulate mitochondrial-induced dysregulated tumor cell metabolism"	Alberto Benito-Martin



O33. "Tumoral periprostatic adipose tissue derived exomicroRNAs regulate tumour suppressor RORA gene in prostate cancer cells " Matilde Rodríguez Chacón

O34. "Decoding the impact of EVs in the tumor microenvironment: Insights into EV-DNA dynamics and implications for disease progression" Enrique Bastón

O35. "Ferroptosis transmission by small extracellular vesicles in epithelial ovarian cancer cells" Juan Antonio Fafian Labora

O36. "ENHANCING CURCUMIN'S PHARMACOKINETICS USING EXTRACELLULAR VESICLES AS DRUG DELIVERY SYSTEMS FOR IMPROVED CANCER TREATMENT" Malika Singh

13:10 Lunch Break

14:30 Afternoon lecture

Chair: María Yáñez-Mó [CBM-SO/IIS-IP, Universidad Autónoma de Madrid, (GEIVEX)]

"Tetraspanins and extracellular vesicles: together and forever" Fedor Berditchevski

15:15 Session VII: EVs towards the clinic in cancer

Chairs: Maja Kosanovic [INEP (Srb-EV)] and Tobias Tertel [Institute for Transfusion Medicine, University Hospital Essen (GSEV)]

O37. "Manipulation of Tumor Extracellular Vesicles biodistribution and uptake in vivo by a versatile cell-surface "EV-Trap" " Vincenzo Verdi

O38. "Identification of EV-biomarker candidates from peripheral and local tumor plasma in head and neck squamous cell carcinoma using proteome analysis before/after tumor removal surgery" Dapi Menglin Chiang

O39. "Digital Detection of EGFR Mutations in Lung Cancer Using Tumor-Derived EVs in Blood Plasma " Yoon-Kyoung Cho

O40. "An Early Brain Cancer Diagnosis Approach Based on Bioinformatics and Machine Learning Analysis of Human Plasma Exosome Transcriptomics" Tayfun Tatar

O41. "PD-L1 on large extracellular vesicles is a predictive biomarker for therapy response in tissue PD-L1-low and -negative patients with non-small cell lung cancer" Kerstin Menck

O42. "Saliva-derived small extracellular vesicles as biomarker for head and neck cancer – does saliva provide better diagnostic potential than plasma?" Linda Hofmann

16:20 Coffee break



17:15 Session VIII: EVs in liquid biopsy

Chairs: Alicia Llorente [Oslo University Hospital (NOR-EV)] and Gloria Alvarez-Llamas [Fundación Jiménez Díaz Hospital (GEIVEX)]

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| O43. "Plasma Exosomal Non-Coding RNA Profile Associated with Renal Damage Reveals Potential Therapeutic Targets in Lupus Nephritis" | Ana Flores-Chova |
| O44. "A Selected signature of miRNAs in Urinary Extracellular Vesicles Allows Noninvasive Detection of Graft Fibrosis in Renal Transplant Patients" | Marta Clos-Sansalvador |
| O45. "Identification of a plasma extracellular vesicle surface signature associated with nephritis in systemic lupus erythematosus" | Olga Martinez-Arroyo |
| O46. "Altered small RNA-secretome in Huntington's Disease neurons" | Marina Herrero |
| O47. "Synovial fluid-derived EVs in Equine Osteoarthritis – Correlation between the proteome and phospholipidome for biomarker identification" | Laura Varela |
| O48. "Single vesicle imaging flow cytometry approach to unravel the molecular profile of endometriosis-related extracellular vesicles as a source of potential biomarkers" | Karolina Soroczyńska |
| O49. "Physical association of low density lipoprotein particles and extracellular vesicles unveiled by complementary single particle analysis techniques" | Estefanía Lozano-Andrés |

18:30 poster walk (with wine and cheese) SPONSORED by ISEV

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| P2.1 "Comparative proteomics of canine osteoblast and osteosarcoma cell-derived extracellular vesicles enriched by different methods " | Daniela Cortes et al. |
| P2.2 "Engineered Extracellular Vesicles for Targeting and Activation of Lymphatic VEGFR-3" | Wolfgang Holnthoner et al. |
| P2.3 "Differential effect of cytotoxic therapy on primary and metastatic clear cell sarcoma and their EVs" | Djenana Vejzovic et al. |
| P2.4 "Surface Plasmon Resonance for Sensitive Detection of Chemokine Receptors CXCR4 and CXCR7 on Extracellular Vesicles: Implications for Cancer Diagnosis and Beyond" | Kaat Verleye et al. |
| P2.5 "Contribution of endothelial progenitor cell derived extracellular vesicles in bone regeneration " | Cyril Bouland et al. |
| P2.6 "Extracellular vesicles from chronic lymphocytic leukemia cells induce the differentiation of monocytes into tumor-associated macrophages" | Nathan Dubois et al. |
| P2.7 "Scalable production of extracellular vesicles from dental pulp stem cells cultivated in a hollow-fiber bioreactor" | Paula Pincela Lins et al. |
| P2.8 "Towards clinical translation of exosome-based mutation analysis using next-generation sequencing" | Rebekka Van Hoof et al. |



P2.9 "Colorectal cancer cells during chemotherapy treatment release EVs that induce cancer associated fibroblasts reprogramming"	Giulia Artemi et al.
P2.10 "The Role of JAK-STAT1 in Exosome Biogenesis and miRNA Regulation in A549 Lung Cancer Cell Line"	Dian Salih et al.
P2.11 "Dissecting exosomal-miRNAs as key-players for the early identification of an aggressive subtype of lung adenocarcinoma"	Francesco Mazzei et al.
P2.12 "EVs from solid and fluid tissues face each other as multiscale biomarkers for Intensive Care Unit Acquired Weakness "	Lucia Paolini et al.
P2.13 "Proof-of-concept study on the use of tangerine-derived nanovesicles as RNAi delivery vehicles toward mammalian cells "	Nima RabieNezhad Ganji et al.
P2.14 "EXTRACELLULAR VESICLE RELEASE AND CARGO ARE ALTERED BY CAVEOLIN-1-OVEREXPRESSION AND MODULATE TUMOR MICROENVIRONMENT IN A MODEL OF RHABDOMYOSARCOMA"	Rachele Agostini et al.
P2.15 "Study of extracellular vesicles from accessible biological fluids to characterize individual responses to physical activity"	Stephanie Fondi et al.
P2.16 "Comparative Analysis of Cell Surface Markers CD38, CD138, and CD269 on mm plasma cells-Derived Extracellular Vesicles: Plasma cells-derived EVs identification in Liquid Biopsies?"	Sebastien Charles et al.
P2.17 "Upstream and downstream innovations in large-scale manufacturing of mesenchymal stem cells EVs in stirred tank bioreactor "	Thibaut Fourniols et al.
P2.18 "Using Raman spectroscopy for biochemical characterization of extracellular vesicles generated by thyroid tumor cell-fibroblast interplay: preliminary reports"	Ana Carolina Donadio et al.
P2.19 "Finding new EVs associated biomarkers of early post-menopausal osteoporosis in a Minipig model."	Arantza Infante et al.
P2.20 "Development and application of a secretome from mesenchymal stem cells with enhanced osteogenic capacity for the treatment of osteoporosis"	Alberto González González et al.
P2.21 "Orange-derived extracellular vesicles as viable nanocarriers of bioactive cargoes"	Joao Tomé-Carneiro et al.
P2.22 "Milk-derived extracellular vesicles as nanocarriers of dietary phenolic compounds"	María-Carmen López de las Hazas et al.
P2.23 "Isolation of exovesicles in the host containing pathogen DNA"	Mercedes Gomez-Samblas et al.
P2.24 "Characterization of ovarian cancer ascites-derived extracellular vesicles for their usage in precision medicine"	Antonio Jose Serrano-Muñoz et al.
P2.25 "Comparation of platelet-like particles (PLPs) and platelets (PLTs) derived EV"	Carolina Torres et al.
P2.26 "Exploring the impact of donor pool size on the consistency and features of Platelet Lysate-derived Extracellular Vesicles"	Andreu Miquel Amengual Tugores et al.
P2.27 "Functionalization of MSC-EVs with senolytic drugs and aptamers to target the vasculature"	Ainara González-Moro et al.



P2.28 "Effect of tumor-derived extracellular vesicles on the differentiation and maturation of monocytes and dendritic cells"	Almudena Rocha Mulero et al.
P2.29 "HEK293T-derived Extracellular Vesicles overexpressing miR219a-5p: a good model for further studies in neurodegenerative diseases"	Jone Karmele Arizaga Echebarria et al.
P2.30 "Delivery of shRNA minicircles by extracellular vesicles to halt Parkinson's disease neurodegeneration"	María Izco Gaviria et al.
P2.31 "Plant exosome-like nanoparticles: building up novel animal-free therapeutic agents for drug delivery"	Miriam Morales Rodríguez De Lope et al.
P2.32 "Tetraspanin pattern characterization of extracellular vesicles in multiple sclerosis disease by ExoView R200+ platform"	Rocío del Carmen Bravo Miana et al.
P2.33 "Implication of secreted CEMIP protein in dermal fibroblast behavior "	Maria Larrinaga et al.
P2.34 "Evaluation of microneedle arrays as potential delivery systems for bacterial extracellular vesicles"	Alba Cortés Carbonell et al.
P2.35 "Anti-inflammatory effect of extracellular vesicles from synovial fluid on osteoarthritic synoviocytes"	Alvaro Compañ-Bertomeu et al.
P2.36 "IMPLEMENTATION OF SCAFFOLDS EMBEDDED WITH EXOSOMES AS PLATFORMS TO ATTRACT METASTATIC CELLS "	Belén Azanza Hernández et al.
P2.37 "Omics analysis of prostate cancer-derived extracellular vesicles to unravel their role in tumour generation and proliferation"	Belén Pastor Navarro et al.
P2.38 "Use of natural nanotherapies for liver fibrosis based on curcumin encapsulated in milk sEVs"	Beatriz Salinas et al.
P2.39 "Extracellular Vesicles-miRNAs signature in metastatic breast cancer diagnosis"	Coral González-Martínez et al.
P2.40 "Designing a nucleic acid-loaded theragnostic hybrid nanosystem based on extracellular vesicles-coated gold nanoparticles"	Cristina Fornaguera et al.
P2.41 "Combination of cation-exchange chromatography and filtration for lipoprotein depletion and plasma RNA detection"	Estela Sánchez-Herrero et al.
P2.42 "Production and isolation of F7 peptide tagged extracellular vesicles loaded with α -galactosidase A to improve cell internalization and in vitro efficacy "	Marc Moltó et al.
P2.43 "Cancer Stem Cell secreted Extracellular Vesicles lead tumor plasticity regulation and stroma activation in TNBC models" "	Joaquin Seras-Franzoso et al.
P2.44 "Plasma-derived extracellular vesicles from ovarian cancer patients and their impact on healthy ovarian epithelial cells"	Lidia Lorenzo Catoira et al.
P2.45 "IL-8/CXCR1 axis induces release of small extracellular vesicles from A2780 ovarian cancer cells with a pro-angiogenic profile"	Manuel Varas-Godoy et al.
P2.46 "EV-encapsulated Pt nanoparticles as radiosensitizers for antitumoral therapy"	Miguel Encinas-Gimenez et al.



P2.47 "EXOGAG, the new method for the isolation of Extracellular Vesicles and Glycoproteins, unmask biomarkers and new molecular mechanism in kidney disease."	María Pereira Hernández et al.
P2.48 "STUDY AND VALIDATION OF THE METABOLIC SIGNATURE OF EXTRACELLULAR VESICLES AS A PROGNOSTIC AND PREDICTIVE MARKER IN PANCREATIC CANCER"	Pilar Espiau Romera et al.
P2.49 "Unveiling the Potential of Tumour-Derived Exosomes in Ewing Sarcoma: Implications for Dynamic Cell-Cell Communication and Tumour Spreading"	Raquel Melero Fernández de Mera et al.
P2.50 "Exploring a multiplexed bead-based flow cytometry assay designed for profiling of CNS-derived extracellular vesicles"	Alexandra Brahmer et al.
P2.51 "Challenges of scalable production and effective purification of mesenchymal stromal/stem cell derived extracellular vesicles for clinical application"	Tanja Kutzner et al.
P2.52 "EVs as Biomarkers for Monitoring Response to Radiotherapy "	Aoife Gahlawat et al.
P2.53 "Exploration of novel EV-associated transcriptional biomarker candidates for early chemotherapy response prediction in cancer cells"	Christian Grätz et al.
P2.54 "Small Extracellular Vesicles as Biomarker for Myocardial Infarction with Non-Obstructive Coronary Arteries (MINOCA)"	Christien Beez et al.
P2.55 "Forming of a Protein Corona on Extracellular Vesicles increases Uptake into Immune Cells"	Laura Dietz et al.
P2.56 "A comparative analysis of circulating tumor DNA in extracellular vesicles and circulating cell-free DNA in non-small cell lung cancer"	Katharina Maria Richter et al.
P2.57 "EV miRNA and protein composition of primary glioblastoma cells changes in 3D organoid models"	Marlene Reithmair et al.
P2.58 "Bacterial membrane vesicles as potential biomarkers for bacteremia diagnostics"	Mia Yu et al.
P2.59 "Cre-loxP reporter tumor model to study EV uptake and its effects"	Viviane Ponath et al.
P2.60 "A Comparative Engineering Study Distinguishing Breast Cancer Exosomes from Normal Exosomes using their Property of Thermal Stability "	Samer Al-Hakami et al.
P2.61 "Characterizing extracellular vesicles derived from tumor-associated macrophages in the ovarian cancer microenvironment"	María Gómez-Serrano et al.
P2.62 "EphrinB3 acts as a by-pass driver in mutated epidermal growth receptor-driven Non-small cell lung cancer treatments and is loaded in extracellular vesicles."	Albano Cáceres-Verschae et al.
P2.63 "Sweet EV': Tracing different glucose carbon isotopic labeling patterns in EVs versus source breast cancer cells"	Thi Tran Ngoc Minh et al.
P2.64 "Analysis of plasma-isolated extracellular vesicles – a way to predict treatment response in immune checkpoint inhibitor treated metastatic non-small cell lung cancer patients?"	Petra Hååg et al.



P2.65 "Exploring the role of Rab3 in exosome release from prostate cancer cells"	Silvana Romero et al.
P2.66 "THE USE OF EV MEMBRANE PROTEINS AS TARGETS FOR CAPTURING URINARY EVs IN NOVEL THERMAL LATERAL FLOW IMMUNOSENSORS"	Beatriz Martín Gracia et al.
P2.67 "Isolation and Analysis of Extracellular Vesicles for the Evaluation of Microsatellite Instability in Endometrial Cancer"	Carlos Honrado et al.
P2.68 "Enhancing Brain Organoid Growth through Electrical Stimulation-Induced Amplification of Extracellular Vesicles"	Sahba Mobini et al.
P2.69 "The proteome of extracellular vesicles in DLBCL plasma patients is associated to the immune response and signaling transduction"	Ana Sofia Carvalho et al.
P2.70 "Lipidomic analysis of hypoxic small extracellular vesicles from head and neck squamous cell carcinoma cells revealed upregulation of glycerophospholipids"	Alicja Głuszko et al.
P2.71 "Immortalized and primary adipose tissue- derived mesenchymal stem/stromal cells as a source of extracellular vesicles for tissue repair – comparative study"	Patrycja Dudek et al.
P2.72 "Actin rearrangement reduces CD20 and ICAM1 antigens on tumor-derived EVs and improves lymphoma immunotherapy."	Beata Pyrzynska et al.
P2.73 "Inactivation of EWSR1-FLI1 oncogene characteristic of Ewing sarcoma using Therapeutic Extracellular Vesicles (TEVs)."	Raquel Melero Fernandez de Mera et al.
P2.74 "Effects of Trophoblast Extracellular Vesicles on D-Galactose Induced Premature Aging of Keratinocytes"	Mirjana Nacka-Aleksić et al.
P2.75 "Characterisation of extracellular vesicles from mesenchymal stem/stromal cells as new delivery system for functionalized gold nanoparticles"	Maja Kosanović et al.
P2.76 "Developing an Extracellular Vesicle RNA Test for Early Detection of Patients at Risk of Aggressive Prostate Cancer"	Jason Webber et al.
P2.77 "Using extracellular vesicle glycoproteins for early detection of aggressive prostate cancer"	Demi Pritchard et al.
P2.78 "Novel EV quantification methods and their use in ageing biomarker discovery"	Benjamin Raven et al.
P2.79 "Transcriptomic analysis of astrocyte origin enriched plasma EVs in Alzheimer's Disease"	Fatma Busra Isik et al.
P2.80 "Developing a device for the isolation of ovarian cancer exosomes using nanoporous filtration "	Sadeka Nujhat et al.
P2.81 "Identification of Pro-resolutive ω3 Oxylipins in Human Milk Extracellular Vesicles for Potential Therapeutical Application in Inflammatory Bowel Diseases "	Marta Gómez Ferrer et al.
P2.82 "The interplay between metalloprotease cleavage and extracellular vesicle secretion of immune ligands affects tumour recognition"	Silvia López Borrego et al.



Thursday, October 26th

Time	Talk	Speaker
9:00	Session IX: Therapeutic opportunities of EVs <i>Chairs: Alireza Fazeli [Estonian University of Life Sciences (BSEVs)] and Ewa Zuba-Surma [Jagiellonian University in Krakow (PSEV)]</i>	
	O50. "Serum Extracellular Vesicle miRNA Profiling to determine Extracorporeal Photopheresis Response in Graft versus Host Disease"	Kimberly Schell
	O51. "Uptake of extracellular vesicles by the liver and the effect of ApoB-rich protein corona on their biodistribution"	Krisztina Németh
	O52. "Immunomodulatory effects of placenta MSC-derived EVs in a novel 3D, immune-competent in vitro human small airway model of cystic fibrosis"	Malgorzata Czystowska-Kuzmicz
	O53. "Vectorised radiotherapy in oncology using milk small extracellular vesicles"	Beatriz Salinas
9:50	Sponsored talks	
	"Clinical Scale Production of Extracellular Vesicles in a 3-D Hollow Fiber Bioreactor"	John J.S. Cadwell [FiberCell systems]
	"Efficient isolation of biologically active EVs"	Dr. Gonçalo Regalo [FUJIFILM Wako]
	"EV Therapeutics and EV Diagnostics: A qEV PurePath Approach"	Dr. Stephane Mazlan [IZON]
10:50	Coffee Break	
11:30	Session X: Manufacturing EVs <i>Chairs: Antonella Bongiovanni [National Research Council of Italy (EVita)] and Saara Laitinen [R&D Manager (FISEV)]</i>	
	O54. "Extracellular vesicles from human iPS cells as new tool enhancing biological functions of cord blood-derived hematopoietic stem and progenitor cells"	Elżbieta Karnas
	O55. "Clonal Immortalized Mesenchymal Stromal Cells: an ideal cell source for a reproducible and standardized production of therapeutic extracellular vesicles."	Yanis Mouloud
	O56. "Manufacturing of Wharton's Jelly Mesenchymal Stromal Cells-derived Extracellular Vesicles for Clinical Application"	Yvan Courageux
	O57. "Standardized cell factories for production of biologically active, clinical-grade MSC-EVs"	Marieke T. Roefs
	O58. "Incorporating Extracellular Vesicles from dendritic cells in fibrinogen and magnesium scaffolds to promote bone regeneration"	Maria Cardona-Timoner



12:30 Sponsored talks

- “Nanosight and Evs: introducing the new NanoSight Pro” Dr. Francisco J. López Jimenez
[IESMAT]
- “Colocalization of Biomarkers with the New Particle Metrix ZetaView© x30 Family” Dr. Christina Klasen
[Solmeglas/Particlemetrix]
- “Quantitative analysis of single EV and their subpopulations with super-resolution solutions” Mrs Dassine ZOUAOUI [Abbelight]

13:15 Lunch break

14:30 Session XI: Engineering EVs

Chairs: Pieter Vader [University Medical Center Utrecht (NLSEV)] and Michele Guescini [University of Urbino Carlo Bo (EVita)]

- O59. "Optimization of EV-protein tagging strategies" Diego Baranda Martínez-Abascal
- O60. "Enhancing Immunomodulatory Potential of Immortalized Mesenchymal Stromal Cell-Derived Extracellular Vesicles through Overexpression CD39, key regulator of the purinergic adenosine signaling pathway" Mohmed Elbeltagy
- O61. "Mesenchymal stroma cell-derived extracellular vesicles show altered functionality after knock out of genes related to immunomodulatory capacity using CRISPR/Cas9" Tobias Tertel
- O62. "Therapeutic Extracellular Vesicles (TEVs) to deliver Cas9-sgRNA ribonucleoproteins for the treatment of recessive dystrophic epidermolysis bullosa." María Iranzo Martínez
- O63. "Improving Exosome Production and Immunogenicity for More Effective CAR T Cell Therapy" Paula Heredia

15:30 Sponsored talks

- “Sensitive and Quantitative Detection of EV Subpopulations Using Dedicated Nano-Flow Cytometry” Ben Peacock [Nanofcm]
- “FLEXible Flow solutions for Extracellular Vesicle Research” Matthew B. Goff [Beckman Coulter]
- “Identifying and characterizing EVs need vision and colour- Cytex have both! “ Michal Maj [Cytex]

16:30 Coffee break



17:15 Session XII: Advances in EV methodology

Chairs: Marija Holcar [Faculty of Medicine, University of Ljubljana (SIN-EV)] and Vendula Hlaváčková Pospíchalová [Faculty of Science, Masaryk University (CzeSEV)]

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| O64. "Efficient non-enzymatic isolation of brain-derived extracellular vesicles" | Andreu Matamoros-Anglès |
| O65. "Membrane Sensing Peptides: reversible affinity isolation of Extracellular Vesicles from minimally pre-treated biological fluids" | Roberto Frigerio |
| O66. "Affinity capture nanodiagnostic devices for EV biomarker detection" | Teresa Valero |
| O67. "Utilizing Lectins for Glycan Analysis on Extracellular Vesicles (EVs)" | Maria-Anthi Kakavoulia |
| O68. "Selective detection of biological nanoparticles labeled with gold nanoparticles in a heterogeneous sample" | Fredrik Eklund |
| O69. "Cell surface area as normalization factor to study prostate cancer EV targeting to specific cell types" | Marije Kuipers |
| O70. "The role of extracellular vesicles in COVID-19 infection disease progression" | Claudia Maria Radu |

18:45 GEIVEX and GSEV Annual assemblies

21:00 Symposium dinner @ Baños del Carmen



Friday, October 27th

Time	Talk	Speaker
9:30	<p>Closing lecture</p> <p><i>Chair: Bernd Giebel [Institute for Transfusion Medicine, University Hospital Essen, University of Duisburg- Essen (GSEV)]</i></p> <p>“Escaping the Endosome: Overcoming the Final Barrier for Effective Drug Delivery”</p>	Benjamin Winkeljann
10:15	Coffee Break	
10:45	<p>Session XIII: MOVE fellows</p> <p><i>Chairs: Kerstin Menck [University of Muenster (GSEV)] and María Yáñez-Mó [CBM-SO/IIS-IP, Universidad Autónoma de Madrid (GEIVEX)]</i></p>	
	071. "Evaluation of the role of CD133-Extracellular vesicles secreted by TNBC cells in promoting cancer aggressiveness"	Mireia Gomez-Duro
	072. "Protein corona of EVs is essential for skin cell self organization and aids wound healing"	Martin Wolf
	073. "Proteomic comparison between non-purified CSF and CSF-derived EVs from patients with Alzheimer’s, Parkinson’s and Lewy body dementia "	Yael Hirschberg
	074. "Red Blood Cells-derived Extracellular Vesicles as targetable drug delivery vehicles"	Maria Chiara Ciferri
	075. "Development of a protocol for the isolation and characterization of extracellular vesicles from Manila clam hemolymph"	Valentina Moccia
	076. "Characterization of mRNA loading onto mammal extracellular vesicles by STORM Imaging"	Monica Guarro
	077. "LC-MS/MS-based proteome profiling of CSF-derived extracellular vesicles in Alzheimer’s disease"	Natalia Valle-Tamayo
	078. "Functional and Potency Assays for Profiling Bioreactor Derived Mesenchymal Stromal Cell Extracellular Vesicles in Chronic Kidney Disease"	Sergio Garcia Garcia
	079. "Determining the Function of Matrix Bound and Secreted Vesicles in Mineralisation"	Genevieve Anghileri
13:00	Awards and closing remarks	



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