

Agenda

2nd World Congress

TARGETING **E**XTRACELLULAR **V**ESICLES

Microbiota & Mitochondria : Key Targets

October 15-16, 2025 - Valencia, Spain

2nd World Congress on Targeting Extracellular Vesicles

October 15-16, 2025 – Valencia, Spain

Conference Agenda

Day 1 – October 15 – 2025

8h00 **Materials Distribution & Welcome Coffee**

8h50 **Welcome Note of Targeting Extracellular vesicles 2025**



9h00 **Introductory Remarks: Extracellular Vesicles in 2025: Shaping the Medicine of Tomorrow**
Consuelo Borrás, University of Valencia, Spain

Keynote Speech – Day One



9h10 **Extracellular Vesicles as Architects of Systemic Health and Disease**
Simon Carding, Quadram Institute Bioscience, United Kingdom

Session 1: Mitochondria & Extracellular Vesicles: A Cross-Talk in Health & Disease



9h40 **Extracellular Vesicles and Mitochondrial Dynamics: Implications in Aging and Pathology**
Maria Cavinato, University of Innsbruck, Austria



10h05 **Extracellular Vesicles and Mitochondrial Transfer: A Novel Approach for targeting Parkinson's Disease and Alzheimer's disease**
Amalia Dolga, University of Groningen, The Netherlands

10h30 – 11h15 *Coffee Break, Networking, & Poster Session*



11h15 **Mitochondrial Stress Drives Nucleophagy and the Release of Extracellular Vesicles Carrying DAMPs**
Carla Lopes, University of Coimbra, Portugal



11h40 **Extracellular Vesicles, Oxidative Stress and Mitochondria: Impact on Retinal Diseases**
Francisco J. Romero, Hospital General de Requena, Spain



12h05 **Impact of Maternal Extracellular on Embryo Metabolism: Recent Advances and Perspectives**
Felipe Vilella, INCLIVA Health Research Institute, Spain

12h30 – 14h00 *Lunch Break, Networking, & Poster Session*

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14h00 **Redox Modulation in Aging Mediated by Stem Cell-derived Extracellular Vesicles**
Cristina Mas-Bargues, University of Valencia, Spain



14h25 **Extracellular Vesicles in Cardio-Metabolic Therapy: Targeting Hypothalamic NLRP3 to Prevent Obesity-Linked Arrhythmias**
Ramaroson Andriantsitohaina, University of Montpellier, France



14h50 **Exosomal Membrane Histones: Their Role and Regulation Under Stress Conditions**
Jonathan Gilthorpe, Umeå University, Sweden

15h15 **Short Oral Presentations: 10 Minutes-Pitch: Dedicated to Start-ups, Academics, Industries & Investors – 2 slots**

15h35 – 16h15 Coffee Break, Networking, & Poster Session

16h15 **Short Oral Presentations: 10 Minutes-Pitch: Dedicated to Start-ups, Academics, Industries & Investors – 8 slots**

Astrocyte-Derived Extracellular Vesicles in Central and Intestinal Inflammation: a Possible Brain-to-Gut Signaling Pathway
Úrsula Wyneken Hempel, Universidad de los Andes, Chile

Extracellular Vesicles from *Lactobacillus Paracasei* Reduce Neuroinflammation in Hippocampus and Restore Some Cognitive Functions in Hyperammonemic Rats
Paula Izquierdo-Altarejos, INCLIVA Health Research Institute, Spain

Small Extracellular Vesicles from Young Adipose-Deprived Stem Cells Ameliorate Age-Related Cognitive and Metabolic Impairments in Aged Mice
Javier Huete, University of Valencia, Spain

Polycyclic Aromatic Hydrocarbons Stimulate Mitochondria-Containing Extracellular Vesicle Release in Endothelial Cells: Sorting and Characterization of Distinct Subpopulations
Camille Chauvin, University of Rennes, France

Changes in Cryotolerance of Spermatozoa in Men with Infertility Under The Influence of Extracellular Vesicles From Donor Seminal Plasma
Anastasia Sysoeva, Federal State Budgetary Institution "National Medical Research Center for Obstetrics, Gynecology, and Perinatology named after Academician V.I. Kulakov" of the Ministry of Health of Russia, Russia

17h30 **End of Day 1**

20h00 **Meet the Speakers Dinner (Reserved for ticket holders only)**

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Day 2 – October 16, 2025

8h50 **Opening Day 2**

Session 2: Microbiota & Extracellular Vesicles: Implications for Human Health



9h00 **Microbiota Extracellular Vesicles as a Postbiotic Strategy: Recent Findings and Perspectives**
Laura Baldomà, Universitat de Barcelona, Spain



9h25 **Bacterial Vesicles from the Gut May Cause Liver Damage in Bowel Diseases**
Claudia Günther, Universitätsklinikum Erlangen, Germany



9h50 **Dietary-Derived Exosome-like Nanoparticles: Advances and Perspectives**
Carla Soler, University of Valencia, Spain

10h15 – 11h00 Coffee Break, Networking, & Poster Session



11h25 **Bacterial Extracellular Vesicles Halt the Progression of Parkinson's Disease in the Gut**
Sandra Morais Cardoso, University of Coimbra, Portugal

11h50 **Short Oral Presentations: 10 Minutes-Pitch: Dedicated to Start-ups, Academics, Industries & Investors – 4 slots**

RNA and DNA-Based Bacterial Extracellular Vesicle Source Identification
Jenni Turunen, University of Oulu, Finland

Maternal Weight and Bacterial Extracellular Vesicles in Amniotic Fluid and Feces of Pregnant Women.
Kaisu Kyrö, University of Oulu, Finland

Extracellular Vesicles from the Probiotic Yeast *Pichia kudriavzevii*: A Novel Source of Postbiotics with Anti-Inflammatory and Antimicrobial Properties
Angela Maione, University of Naples Federico II, Italy

Batch Fermentation in Bioreactor for *S. Epidermidis* Evs Production
Giacomo Presutti, Politecnico di Torino, Italy

12h30 – 14h00 Lunch Break, Networking, & Poster Session



14h00 **Microbiota-Derived OMVs: A Novel Mechanism in Brain Function and Alzheimer's Disease**
Roosmarijn E Vandenbroucke, Ghent University, Belgium

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Session 3: Clinical Applications of EVs: Challenges and Perspectives



14h25 **Engineered Extracellular Vesicles for Regeneration and Rejuvenation: Advances and Perspectives**
Lino Ferreira, University of Coimbra, Portugal



14h50 **Inverse Association Between Parkinson's Disease and Cancer: Could Exosomes Be the Missing Link?**
Magdalena Gorska-Ponikowska, Medical University of Gdańsk, Poland



15h10 **The Influence of Plant Exosomes on the Healing Process in the Patient with Hydradenitis Suppurativa**
Wioletta Baranska-Rybak, Medical University of Gdańsk, Poland

15h30 – 16h00 Coffee Break, Networking, & Poster Session



16h00 **Extracellular Vesicles for Treating Lysosomal Storage Disorders**
Ibane Abasolo, Instituto de Química Avanzada de Cataluña – CSIC, Spain

16h25 **Call For Innovation:**
10 Minutes-Pitch: Dedicated to Start-ups, Academics, Industries & Investors – 4 slots

17h00 **Targeting EVs 2025 – Concluding Remarks**

17h10 **Targeting EVs 2025 – Awards**

17h30 **End of Targeting EVs 2025**

