

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

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



9h30 **Extracellular Vesicles and Mitochondrial Dynamics: Implications in Aging and Pathology**
Maria Cavinato, University of Innsbruck, Austria



9h55 **Extracellular Vesicles and Mitochondrial Transfer: A Novel Approach for Treating Parkinson's Disease**
Amalia Dolga, University of Groningen, The Netherlands

10h20 – 11h05 *Coffee Break, Networking, & Poster Session*



11h05 **Mitochondrial Stress Drives Nucleophagy and the Release of Extracellular Vesicles Carrying DAMPs**
Carla Lopes, University of Coimbra, Portugal



11h30 **Extracellular Vesicles, Oxidative Stress and Mitochondria: Impact on Retinal Diseases**
Francisco J. Romero, Hospital General de Requena, Spain



11h55 **Impact of Maternal Extracellular on Embryo Metabolism: Recent Advances and Perspectives**
Felipe Vilella, INCLIVA Health Research Institute, Spain

12h20 – 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**

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

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

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



11h00 **Commensal Gut Bacteria-Derived Microvesicles: Mediators of Microbe-Host Crosstalk and Vehicles for Mucosal Drug Delivery**
Simon Carding, Quadram Institute Bioscience, United Kingdom



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**

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**

