

# Agenda

## 2<sup>nd</sup> World Congress

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

## Microbiota & Mitochondria : Key Targets

October 15-16, 2025 - Valencia, Spain

# 2<sup>nd</sup> 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*

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*

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**

