

TARGETING
EXTRACELLULAR
VESICLES

FIRST WORLD CONGRESS ON

Targeting Extracellular Vesicles

Mitochondria and
Microbiota:
Crucial Impact

OCTOBER, 17TH & 18TH
2024

CORINTHIA PALACE,
MALTA

PROGRAM

First World Conference Targeting Extracellular Vesicle

Day 1 – Friday October 17, 2024

8h00 **Materials Distribution & Welcoming of Attendees**

8h50 **Welcome Note of Targeting Microbiota 2024**

Session 1: Extracellular Vesicles & Mitochondria



9h00 – Keynote Speech:

Mitochondria and Extracellular Vesicles: Recent Discoveries & Challenges

Devika S. Manickam, *Duquesne University, USA*



9h30– **The Role of Mitovesicles in the Brain with Mitochondrial Dysfunction**

Efrat Levy, *NYU Grossman School of Medicine, USA*



10h00 – **Mitochondrial DAMPs in EVs: Triggering Early Neuroinflammation in Neurodegeneration**

Carla Lopes, *University of Coimbra, Portugal*

10h30 **Panel Discussion**

10h45 – 11h30 *Coffee Break, Networking, & Poster Session*



11h30 – **Engineering Exosomes for Precise Mitochondrial Targeting in Brain Cells: Expanding the Frontiers of Cellular Communication and Therapeutics**

Lanrong Bi, *Michigan Technological University, USA*



12h00 – **New strategies for the targeting of central regulation of obesity with a nanotechnology approach using engineered extracellular vesicles**

Ramaroson Andriantsitohaina, *University of Montpellier, France*

12h30 **Panel Discussion**

12h40 – 14h00 *Lunch Break, Networking, & Poster Session*



14h00 – **Cancer-related Extracellular Vesicles in relation to Mitochondria, Microbiota and More**
Lorraine O'Driscoll, Trinity College Dublin and Trinity St. James's Cancer Institute, Ireland



14h30 – **Extracellular Vesicle Release of Mitochondria in Response to Lysosomal Dysfunction**
Åsa B. Gustafsson, University of California San Diego, USA



15h00 – **How to Deliver Mitochondria Carrying EVs to Blood Brain Barrier (BBB)**
Devika S. Manickam, Duquesne University, USA

15h30 **Panel Discussion**

15h45– 16h30 Coffee Break, Networking, & Poster Session



16h30 – **Exploring the Capabilities of Exosomes from Muscle-Derived Mesenchymal Stem Cells: Insights into Immunomodulation and Mitochondrial Transfer**
Didier Serteyn, Université de Liège, Belgium

17h00 **Short Oral Presentations & Innovations (6 slots)**

18h00 **End of Congress Day 1**

20h00 **Meet the Speakers Dinner** (*Reserved for ticket holders only*)
Summer Kitchen, Corinthia Palace, Malta



First World Conference Targeting Extracellular Vesicle

Day 2 – Friday October 18, 2024

8h30 **Materials Distribution & Welcoming of Attendees**

8h50 **Opening of Day 2**

Session 2: Microbiota & Extracellular Vesicles



9h00 – **Microbiota-Derived Extracellular Vesicles in Maternal-Fetal Communication: What We Know?**
Justus Reunanen, *University of Oulu, Finland*



9h30 – **Lactobacilli Extracellular Vesicles: Potential Postbiotics to Support the Vaginal Microbiota Homeostasis**
Carola Parolin, *University of Bologna, Italy*



10h00 – **Therapeutic Applications of Microbial Extracellular Vesicles**
Steven Jay, *University of Maryland, USA*

10h30 **Panel Discussion**

10h45 – 11h30 *Coffee Break, Networking, & Poster Session*



11h30 – **Gut Microbiome-Derived Bacterial Extracellular Vesicles in Patients with Solid Tumours**
Surbhi Mishra, *University of Oulu, Finland*



12h00 – **The gut microbe-derived extracellular vesicles - mitochondria axis in mental disorders: Strengths and weaknesses of new studies**
Seyed Davar Siadat, *Pasteur Institute of Iran, Iran*

12h30 **Panel Discussion**

12h45 – 14h00 *Lunch Break, Networking, & Poster Session*



14h00 – **Modulation of Phage-Microbe interactions and Antimicrobial Resistance by Bacterial Extracellular Vesicles**
Meta Kuehn, Duke University, USA



14h30 – **Role of Stem Cell-Derived Extracellular Vesicles to Promote Successful Aging**
Consuelo Borrás, University of Valencia, Spain



15h00 – **Bioinspired, Fully Synthetic Extracellular Vesicles to Optimize Wound Healing**
Joachim Pius Spatz, University of Heidelberg, Germany

15h30 **Panel Discussion**

15h45 – 16h30 Coffee Break, Networking, & Poster Session

16h30 Short Oral Presentations & Innovations

17h00 Targeting EVs 2024 Concluding Remarks & Awards

17h30 End of Targeting EVs 2024

