

World Mitochondria Society

16TH
CONGRESS

Targeting Mitochondria

Agenda



OCTOBER
22»24, 2025

BERLIN
GERMANY



16th World Congress on Targeting Mitochondria

October 22-24, 2025 – Berlin, Germany

Day 1 - Wednesday October 22, 2025

Mitochondria Workshop 2025

14h00 - 17h30



Workshop 1: How to Evaluate Mitochondria Function?

Naïg Gueguen, Mitovasc Institute, Centre Hospitalier Universitaire d'Angers, France



Workshop 2: Mitochondria Transplantation: From Theoretical to Clinical Applications

Andrés Caicedo, Universidad San Francisco de Quito, Ecuador

One coffee break will be included between the workshop sessions.

End of the Workshop

For full agenda, registration, and information, please follow this link

**MITOCHONDRIA
WORKSHOP**



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– Day two –

Thursday, October 23, 2025

8h00 – Materials Distribution & Welcome Coffee

8h50 – Welcome Note

Volkmar Weissig, *President of the World Mitochondria Society*

Keynote Speech Day 1



9h00 **Mitochondria and the Meaning of Life**

Nick Lane, *University College of London, United Kingdom*

Session 1 – Mitochondrial Dynamics in Health and Diseases: Mechanistic and Perspectives

Presentations length: 20 minutes + 5 minutes Q&A



9h30 **Actin Dynamics In Mitochondrial Function: Implications For Cellular Homeostasis And Disease**

Marc Germain, *Université du Quebec, Canada*



9h55 **Immune Evasion through Tumor-Derived Mitochondrial Transfer**

Yosuke Togashi, *Okayama University, Japan*



10h20 **How Mitochondria Organize Their Powerhouse Machinery for Optimal Performance**

Florent Waltz, *University of Basel, Switzerland*

10h45 - Coffee Break, Networking & Poster Session

Presentations length: 20 minutes + 5 minutes Q&A



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11h35 Targeting Mitochondrial Pyruvate Carrier: Impact on Future Metabolic Therapies

Edmund Kunji, *University of Cambridge, United Kingdom*



12h00 Fighting Fire with Fire: Boosting T Cell Therapy by Intercellular Mitochondrial Transfer

Luca Gattinoni, *Leibniz Institute for Immunotherapy, Germany*



12h25 Mitochondrial Protein Synthesis: A Key on Health and Disease / Mitochondria and Disease

Joanna Rorbach, *Karolinska Institutet, Sweden*

12h50 – Lunch Break, Networking & Poster Session



14h20 Mitochondrial Dynamics: Steering the Future of Mitochondrial Remodeling in Health and Disease

Tatjana Kleele, *Institute of Biochemistry, ETH Zurich, Switzerland*

14h45 Short Oral Presentations (4 slots)

Presentations length: 8 minutes + 2 minutes for discussion

15h25 - Coffee Break, Networking & Poster Session

Session 2 – Advances in Mitochondria: Insights, Debates, and Controversies

Presentations length: 20 minutes + 5 minutes Q&A



16h25– Delocalisation of the Macromolecular Devices for Efficient ATP Synthesis in Extra-Mitochondrial Districts

Alessandro M. Morelli, *University of Genoa, Italy*

16h50 End of Targeting Mitochondria 2024 Day 1

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



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– Day three –

Friday, October 24, 2025

8h25 – Registration & Welcoming of Attendees

Keynote Speech Day 3



8h30 Targeting Mitochondrial Channels: Update and Strategies
Adam Szewczyk, Nencki Institute of Experimental Biology, Poland

Session 3 – Emerging Trends and Innovations in Mitochondria Research

Presentations length: 20 minutes + 5 minutes Q&A



9h00 Brain Organoids for Drug Discovery of Mitochondrial Neurological Disorders
Alessandro Prigione, Heinrich Heine University, Germany



9h25 Mitochondria and Creatine: Perspectives and Strategies
David Rizo Roca, Karolinska Institutet, Sweden



9h50 Mitochondrial Cybrids: Advancing Precision Oncology
Alberto Anel, University of Zaragoza, Spain



10h15 The Role of Mitochondrial-Derived Vesicles in Peroxisome Biogenesis
Ayumu Sugiura, Juntendo University, Japan

10h40 - Coffee Break, Networking & Poster Session



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Session 4 – Mitochondria medicine: Strategies to Target Mitochondria, Clinical Trials and Potential Mitochondria-Based Therapies

Presentations length: 20 minutes + 5 minutes Q&A



11h10 Drug Development for the Therapy of Mitochondrial Diseases
Volkmar Weissig, *Midwestern University, College of Pharmacy Glendale, USA*



11h35 Development of Mitochondria-Based Therapeutic Strategies for Disease Treatment
Kosuke Kusamori, *Tokyo University of Science, Japan*



12h00 Mitochondrial Transplantation: From Skeletal Muscle Atrophy to Human Clinical Advances and Perspectives
Gökhan Burçin Kubat, *Baskent University, Turkey*

12h25 – Lunch Break, Networking & Poster Session



14h00 Mitochondria Transplantation: From Theoretical to Clinical Applications
Andrés Caicedo, *Universidad San Francisco de Quito, School of Medicine, Ecuador*

14h25 Short Oral Presentations & Innovations (6 slots)

Presentations length: 8 minutes + 2 minutes for discussion

MNRR1-derived peptides, a promising therapeutic target for mitochondrial dysfunction syndromes
Lawrence Grossman, *Wayne State University, USA*



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16h05 – 16h50

Key Questions & What's Next?

After the presentations, speakers and scientific committee members will be invited for an in-depth debate and Q&A session, where we will address meticulously chosen, high-quality questions designed to focus on the most significant and impactful issues, rather than technical details.

Questions will be published at a later stage.

16h50 Targeting Mitochondria 2024 Awards & Concluding Remarks

17h00 Networking Accompanied by Drinks and Appetizers

End of World Mitochondria Society's Annual Meeting

For more information, please visit: www.wms-site.com.

