

## Mitochondria and Metabolism in Health and Disease 10<sup>th</sup> Annual MetNet International Meeting

Institut d'Estudis Catalans (IEC)  
Carrer del Carme, 47, 08001 Barcelona.  
Barcelona, October 24th-25th, 2024

**Thursday October 24<sup>th</sup>**

8:45-9:20 **Registration**  
9:20-9:30 **Welcome**

### **Session 1: Mitochondria and metabolism in immunology:** Chair Mariona Guitart

9:30-10:00 **Albert Pol**, ICREA-IDIBAPS-UB, Barcelona, Spain.  
*Defensive-lipid droplets: Cellular organelles designed for antimicrobial immunity.*

10:00-10:30 **Stephanie Wculek**, IRB, BIST, Barcelona, Spain.  
*Metabolic Dependencies of Innate Immune Cells.*

10:30-10:45 **Short talk selected from Abstracts.**

### **Sponsor session: Methodologies to measure Mitochondrial function and Metabolism**

10:45-11:15 **Miriam Contreras and Alfredo Caro-Maldonado**, Agilent Technologies, Spain.  
*Improvements in sensitivity and flexibility in measurements of mitochondrial function*

11:15-12:15 **Coffee & refreshments**

### **Session 2: Mitochondria and metabolism in ageing and age-related diseases:** Chair Josep Julve

12:15-12:45 **Laura Formentini**, CBM-CSIC-UAM, Madrid, Spain.  
*Substrate-dependent mitochondrial efficiency: a new metabolon*

12:45-13:15 **Laurent Martinez**, IM2C-INSERM, Toulouse, France.  
*Energizing Aging Research: Mitochondrial Bioenergetics for Biomarker and Target Discovery in the Inspire-T cohort.*

13:15-13:30 **Short Talk Selected from Abstracts.**

13:30-15:30 **Posters of Sessions 1 and 2 + Finger food lunch at Poster Hall**

### **Session 3: Inherited mitochondrial and metabolic diseases:** Chair Mariona Guitart

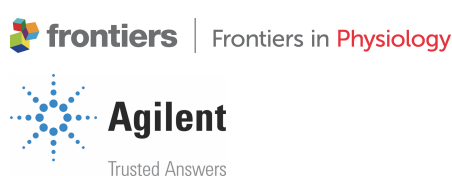
15:30-16:00 **Albert Quintana**, UAB, Barcelona, Spain.  
*Parallel cell-type specific neurodegenerative pathways in mitochondrial disease.*

16:00-16:30 **Yolanda Cámara**, Vall D'Hebron Institut de Recerca, Barcelona, Spain  
*In vivo role of accessory subunit NDUFA10 beyond stabilization of respiratory complex I*

16:30-16:45 **Short Talk Selected from Abstracts.**

16:45-18:45 **Poster of Sessions 3 and 4 + Refreshments at Poster Hall**

**Sponsors  
(03/04/2024):**



Friday October 25<sup>th</sup>

**Session 4: Mitochondria and metabolism in metabolic associated liver disease:** Chair Josep Julve

- 9:15-9:45 **Joan Clària**, Clínic-UB, Barcelona, Spain.  
*Mitochondrial Dysfunction in Chronic Liver Disease.*
- 9:45-10:15 **José Antonio Enríquez**, CNIC, Madrid, Spain.  
*Mitochondria in the aged liver.*
- 10:15-10:45 **Giorgia Benegiamo**, Laboratory of Integrative Systems Physiology, EPFL, Switzerland  
*The genetic background shapes the susceptibility to mitochondrial dysfunction and NASH progression*
- 10:45-11:45 **Coffee & refreshments**

**Session 5: Celebrating Prof. Atan Gross with new mechanisms of mitochondria and metabolism regulation I:**

Chair Marc Liesa

- 11:45-12:15 **Orian S. Shirihai**, UCLA, Los Angeles, USA.  
*The Social life of mitochondria within the cell, exclusive clubs and dynamic networks.*
- 12:15-12:45 **Antonio Zorzano**, UB, IRB, Barcelona, Spain.  
*Mitochondrial dynamics and inflammation.*
- 12:45-13:15 **Luca Scorrano**, University of Padova, Padova, Italy  
*Keeping mitochondria in shape, a matter of life and death*
- 13:15-13:30 **Short Talk selected from Abstracts.**
- 13:30-15:30 **Posters of Sessions 4, 5 and 6 + Finger food lunch at Poster Hall**

**Session 6: Celebrating Prof. Atan Gross with new mechanisms of mitochondria and metabolism regulation II:**

Chair Marc Liesa

- 15:30-16:00 **Ana Victoria Lechuga Vieco**, University of Oxford, UK.  
*Mitochondrial heterogeneity: friend or foe?*
- 16:00-16:30 **Maria E. Solesio Torregrosa**, Rutgers University, New Jersey, USA.  
*Inorganic polyphosphate and mammalian metabolism*
- 16:30-17:00 **Heidi McBride**, McGill University, Montreal, Quebec, CA  
*Mitochondrial vesicles in immunology and evolution*
- 17:00-17:15 **Short Talk selected from Abstracts**
- 17:15-17:45 **Concluding remarks and farewell.**

**Talks 25' + 5' questions**

**Short talks 10' + 5' questions**

**6 hours for poster sessions, networking and eating together.**

**Organizing Committee:**

Josep Julve, Institut de Recerca Sant Pau, [jjulve@santpau.cat](mailto:jjulve@santpau.cat),  
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**Sponsors  
(03/04/2024):**

