

Wednesday, 10th July



Satellite Event for early career stage researchers

Registration opening at 1:00 p.m.

2:00 – 3:30 p.m. Satellite Session 1

Timothy Wai

Department of Cell Biology & Infection, Pasteur Institute Paris, France

Ricarda Richter-Dennerlein

Department of Cellular Biochemistry, University of Göttingen, Germany

3:30 – 4:00 p.m. Coffee break

4:00 – 5:30 p.m. Satellite Session 2

India C. Severin

Brain Health Department at Nestlé Research Nestlé Institute of Health Sciences S.A., Lausanne, Switzerland

Tatiana Tiago

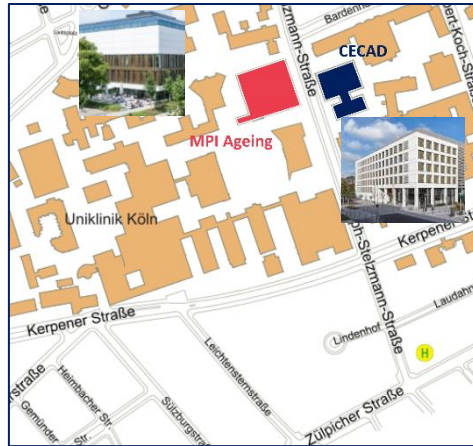
Laboratory of Prof. Serena Carra, University of Modena and Reggio Emilia, Modena, Italy

5:45 p.m. Networking Get-together

(registration in advance required)

INTERNET ACCESS

WLAN is available within the MPI.
Please ask for access details at the conference desk.



VENUE

Max Planck Institute for Biology of Ageing

Joseph-Stelzmann-Straße 9 b | 50931 Köln

CECAD – Cluster of Excellence

Cellular Stress Responses in Aging-Associated Diseases

Joseph-Stelzmann-Straße 26 | 50931 Köln



- Ira Buntенbroich** Laboratory of Mafalda Escobar-Henriques
- Gaetano Calabrese** Laboratory of Jan Riemer
- Dieu Hien Ho** (REMIX fellow) Laboratory of Aleksandra Trifunovic
- Michaela Höhne** Laboratory of Jan Riemer
- Fiona Mayer** Laboratory of Thomas Langer
- Anna-Theresa Mellis** Laboratory of Günter Schwarz
- Chrysanthi Moschandreа** Laboratory of Manolis Pasparakis
- Thomas Paß** Laboratory of Rudolf Wiesner
- Sonia Ravanelli** Laboratory of Thorsten Hoppe
- Anastasia Rumyantseva** Laboratory of Aleksandra Trifunovic
- Karolina Szczepanowska** Laboratory of Aleksandra Trifunovic
- Clara Türk** Laboratory of Marcus Krüger

Supported by



Scientific Symposium on Mitochondrial Biology

PROGRAM

10th July – 12th July 2019



Organized by young researchers of the mito-RTG | CRC 1218

Thursday, 11th July



Registration opening at 08:00 a.m.

08:45 – 10:15 a.m.

Mitochondria in ROS Signalling and Ageing

Adam Antebi (DE) *NFYB-1 regulates mitochondrial function and longevity via lysosomal prosaposin*

Elizabeth Veal (UK) *Unravelling the who, when, where and how of peroxide-signalling*

Selected short talks

Caterina Tezze (IT) *OPA1 orchestrates precocious senescence, degeneration of multiple organs and premature death through inflammation and metabolic changes*

Ana Bratic (DE) *Mutations of mitochondrial DNA are not major contributors to ageing of fruit flies*

10:15 – 11:00 a.m. Coffee break

11:00 a.m. – 12:30 p.m.

Mitochondria and Homeostasis

Thomas Langer (DE) *Metabolic repurposing of mitochondria by proteolysis*

Chris Meisinger (DE) *Signalling pathways targeting the mitochondrial protein import machinery: control of biogenesis, cell cycle and metabolism*

Selected short talks

Roberta Peruzzo (IT) *Impaired mitochondrial ATP production downregulates Wnt signaling via ER stress induction*

Piotr Bragoszewski (PL) *Regulation of mitochondrial protein biogenesis by cytosolic protein quality control machinery*

12:30 – 2:30 p.m. Poster Session with finger food

2:30 – 4:00 p.m.

Physiological Role of Mitochondria

Timothy Wai (FR) *Mitochondrial dynamics and disease*

Michael Duchen (UK) *Linking mitochondrial dysfunction to neurodegeneration: Impaired mitochondrial bioenergetic capacity sensitises neurons to calcium overload*

Selected short talks

Liliana Rojas-Charry (DE) *Presenilin 1 mutations affect mitochondrial morphology and function in familial Alzheimer's Disease*

Julien Delezie (CH) *Circadian control of mitochondrial function in mouse skeletal muscle*

4:00 – 5:00 p.m. Coffee break with Poster Session

5:00 – 6:30 p.m.

Mitochondrial Gene Expression

Ricarda Richter-Dennerlein (DE) *Ribosome biogenesis in human mitochondria*

Dusanka Milenkovic (DE) *The in vivo role of the mitochondrial DNA nuclease MGME1*

Selected short talks

Julia Boix (DE) *The role of HIF1a in skin: trying to preserve epidermal homeostasis during mitochondrial dysfunction*

Désirée Schatton (DE) *The role of the CLUH/astrin/kinastrin complex in mitochondrial biogenesis*

6:45 p.m. Symposium dinner

Friday, July 12th

09:00 – 10:30 a.m.

Mitochondrial Structure

Ulrich Brandt (NL) *Mitochondrial complex I – an astounding molecular machine of ancient origin*

Thomas Meier (UK) *Structures of rotary ATPases and their role in human health and disease*

Selected short talks

Rubén Quintana-Cabrera (ES) *ATP synthase partners to control mitochondrial ultrastructure*

Giovanni Rigoni (IT) *Dissecting the dual role of ATAD3A in nucleoids stability and cristae ultrastructure*

10:30 – 11:00 a.m. Coffee break

11:00 a.m. – 12:30 p.m.

Mitochondrial Dynamics and Subcellular Interactions

Margaret Ashcroft (UK) *Mitochondria and hypoxia signalling*

Benoît Kornmann (UK) *Organelle contact sites: a new layer in the organization of Eukaryotic cells*

Selected short talks

Keiko Iwata (JP) *Exploring the novel role of mitochondrial dynamics in schizophrenia*

Bruna Garcia (DE) *Mitofusin 2 regulates cholesterol homeostasis*

12:30 – 2:00 p.m. Lunch break

2:00 – 3:45 p.m.

Metabolic Regulation in Health and Disease

Jared Rutter (US) *Mitochondria, metabolism and the control of cellular decisions*

Selected short talks

Miriam Valera-Alberni (CH) *The impact of mitochondrial fission on metabolic adaptation*

Mauro Corrado (DE) *Cardiolipin controls CD8+ memory T cell metabolism and function*

Andromachi Pouikli (DE) *Citrate carrier links cellular metabolism to histone acetylation during ageing of mesenchymal stem cells*

Closing remarks

