

**ITMO CELL BIOLOGY, DEVELOPMENT
AND EVOLUTION**

Endoplasmic Reticulum_2019 October 9-11th, 2019

From basic cell biology to translational approaches: a path to the clinic

IPNP - Institute of Psychiatry and Neurosciences of Paris
102-108, rue de la Santé - Paris 14^e
France

OCTOBER 9TH, 2019

- ▶ 2:00-2:10 p.m. Welcome by the organizers
- ▶ 2:10-4:10 p.m. **Session 1: Cancer and Endoplasmic Reticulum**
Chairperson: Thierry GALLI
 - ▶ 2:10-2:35 p.m.: “Preclinical characterization of new anti-melanoma compounds targeting ER stress”, **Stéphane ROCCHI**, Inserm, Nice, France
 - ▶ 2:35-3:00 p.m.: “Ratiometric self-evaluation of stress and zen in the endoplasmic reticulum”, **Eelco VAN ANKEN**, University of San Raffaele, Milan, Italy
 - ▶ 3:00-3:25 p.m.: “Unresolved endoplasmic reticulum stress engenders immune-resistant, latent metastases”, **Arnaud POMMIER**, Cochin Institute, Paris, France
 - ▶ 3:25-3:50 p.m.: “Critical role of the unfolded protein response regulator GRP78/BiP in cancer”, **Amy S. LEE**, University of Southern California, Los Angeles, CA, USA
 - ▶ 3:50-4:00 p.m.: “The Role of the UPR Stress Sensor IRE1 α in the DNA Damage Response”, **Matías-Eduardo GONZÁLEZ-QUIROZ**, University of Chile, Santiago, Chile
 - ▶ 4:00-4:10 p.m.: “Active Endoplasmic Reticulum luminal flow - mechanism of generation and reliant neuronal cell functionalities”, **Edward AVEZOV**, University of Cambridge, Cambridge, UK
- ▶ 4:10-4:40 p.m. Coffee break
- ▶ 4:45-5:30 p.m. **EMBO Keynote Lecture**
Chairperson: Eric CHEVET
“Dynamic palmitoylation as a means to regulate ER structure and function”,
Gisou VAN DER GOOT, EPFL, Lausanne, Switzerland
- ▶ 5:30-5:40 p.m. “Regulation of Endoplasmic Reticulum architecture and function by the ER-shaping protein CLIMP63”, **Francisco MESQUITA**, EPFL, Lausanne, Switzerland
- ▶ 5:40-5:50 p.m. “Single molecule characterization of protein dynamics at endoplasmic reticulum-organelle contact sites”, **Jonathon NIXON-ABELL**, University of Cambridge, Cambridge, UK
- ▶ 5:50-6:05 p.m. **Presentation ASAPBio - Accelerating Science and Publication in Biology**
Thierry GALLI, ITMO BCDE, Paris, France
- ▶ 6:05-7:30 p.m. **Poster Session 1**
- ▶ 7:30-10:00 p.m. Cocktail

9:00-9:45 a.m.

Keynote

Chairperson: Fabienne FOUFELLE

“Architecture and Function of the Endoplasmic Reticulum in Metabolic Health and Disease”, **Gökhan HOTAMISLIGIL**, University of Harvard, Boston, MA, USA

9:45 a.m.-12:00 p.m.

Session 2: Immunology and Endoplasmic Reticulum

Chairperson: Laurent COMBETTES

9:45-10:10 a.m.: “Inositol Requiring Enzyme 1, a metabolic sensor at the heart of dendritic cell biology”, **Sophie JANSSENS**, University of Ghent/VIB, Ghent, Belgium

10:10-10:35 a.m.: “Pharmacological induction of selective endoplasmic reticulum retention of oncoproteins as a novel strategy for cancer therapy”, **Boaz TIROSH**, The Hebrew University of Jerusalem, Jerusalem, Israel

10:35-10:50 a.m.: **Coffee break**

10:50-11:15 a.m.: “Regulation of Inositol Requiring Enzyme1 activation in dendritic cells”, **Bénédicte MANOURY**, Institut Necker Enfants Malades, Paris, France

11:15-11:40 a.m.: “The ER Stress Sensor IRE1alpha Signaling in Metabolic Inflammation”, **Yong LIU**, University of Wuhan, Wuhan, China

11:40-11:50 a.m.: “The interaction between non-fusogenic SEC22b-syntaxin complexes and extended-synaptotagmins promotes neurite growth and ramification”, **Alessandra GALLO**, IPNP, Paris, France

11:50 a.m.-12:00 p.m.: “Formation and role of the specialized architecture of axonal tubular ER”, **Cahir O’KANE**, University of Cambridge, Cambridge, UK

12:00-12:10 p.m.: “Role of intramembrane spastic paraplegia proteins in organization of axonal ER and ER-mitochondria contacts in Drosophila”, **Zeynep OZTURK**, University of Cambridge, Cambridge, UK

12:10-12:20 p.m.: “Role of organelle Ca²⁺ signaling during leukocyte chemotaxis: a role for the endoplasmic reticulum”, **Pablo SÁEZ**, Institut Curie, Paris, France

12:20-2:30 p.m.

Lunch

2:30-3:50 p.m.

Session 3: Lipid and Endoplasmic Reticulum

Chairperson: Fabienne FOUFELLE

2:30-2:55 p.m.: “Role of Oxysterol-binding protein Related Proteins (ORPs) in the regulation of lipid and calcium transport at ER-mitochondria contact sites”, **Francesca GIORDANO**, I2BC, Gif-sur-Yvette, France

2:55-3:20 p.m.: “Lipin1 deficiency causes sarcoplasmic reticulum stress and chaperone-responsive myopathy”, **Mario PENDE**, Inserm, Paris, France

3:20-3:30 p.m.: “MOSPD2, a new “VAP protein”, builds ER – organelle membrane contact sites”, **Fabien ALPY**, IGBMC, Illkirch, France

3:30-3:40 p.m.: “SH3KBP1-dependant scaffolding of endoplasmic reticulum governs myonuclear domain organization and myofibers destiny in skeletal muscle”, **Vincent GACHE**, Inserm, Lyon, France

3:40-3:50 p.m.: “Seipin, an ER protein localized to the MAMs, is crucial for mature adipocyte homeostasis”, **Xavier PRIEUR**, Institut du Thorax, Nantes, France

3:50-4:30 p.m.

Coffee break

- ▶ 4:30-6:30 p.m. **Poster Session 2**
- ▶ 6:30-7:00 p.m. Bus transportation via line 21
- ▶ 7:00 p.m. Social Event - Barge Les Maquereaux (remains at the quayside)

OCTOBER 11TH, 2019

- ▶ 9:30 a.m.-12:10 p.m. **Session 4: Stress and Endoplasmic Reticulum**
Chairperson: Eric CHEVET
 - ▶ 9:30-9:55 a.m.: “ATF6 in inflammation and cancer – microbes tip the scale”, **Dirk HALLER**, Technical University of Munich, Munich, Germany
 - ▶ 9:55-10:20 a.m.: “Modulating PERK signaling for neuroprotection: mechanisms to medicines”, **Giovanna MALLUCCI**, University of Cambridge, Cambridge, United-Kingdom
 - ▶ 10:20-10:30 a.m.: “The chromatin remodeler ISW1 is a novel actor of the UPR”, **Anna BABOUR**, Inserm, Paris, France
 - ▶ 10:30-10:40 a.m.: “Thioesterase superfamily member 6 (THEM6) regulates endoplasmic reticulum function in castration-resistant prostate cancer”, **Arnaud BLOMME**, CRUK Beatson Institute, Glasgow, UK
 - ▶ 10:40-11:00 a.m.: *Coffee break*
 - ▶ 11:00-11:10 a.m.: “Restoring the IRE1 α -XBP1 branch of unfolded protein response in spinal muscular atrophy stimulates SMN expression”, **Domenico D’AMICO**, Université Paris Descartes, Paris, France
 - ▶ 11:10-11:20 a.m.: “Discrete inter-organelle contacts affect exosome secretion by modulating MVE transport and fusion with the PM”, **Frederik VERWEIJ**, IPNP, Paris, France
 - ▶ 11:20-11:45 a.m.: “SELENOT: a new guardian of endoplasmic reticulum homeostasis?”, **Isabelle LIHRMANN**, University of Rouen, Rouen, France
 - ▶ 11:45 a.m.-12:10 p.m.: “Endoplasmic Reticulum to Cytosol Signaling (ERCYS), a functional ER surveillance mechanism in health and disease”, **Aeid IGBARIA**, University of Rennes, Rennes, France
- ▶ 12:10-12:20 p.m. Award of best short talks and best posters prizes, meeting closure