



UNIVERSITÉ
DE NAMUR

The fascinating world of lysosomes

From basic research to therapeutic potential

04.04.2024

Scientific meeting to celebrate the 40-year research career of Emeritus Professor Michel Jadot

08:30 *Welcome coffee*

09:15 Introduction

09:30 **Deciphering the mysteries of the small GTPase Rab24**

Prof. Eeva-Liisa ESKELINEN, University of Turku, Institute of Biomedicine ^{FINLAND}

10:10 **Functional characterization of endo-lysosomal compartments by correlative microscopy**

Prof. Judith KLUMPERMAN, Utrecht University, Center for Molecular Medicine, University Medical Center Utrecht ^{THE NETHERLANDS}

10:50 *Coffee break*

11:20 **A critical role of lysosomes during mammalian embryo development**

Dr. Bruno GASNIER, Saints-Pères Paris Institute for the Neurosciences (SPPIN), Université de Paris ^{FRANCE}

12:00 **SHORT TALK Insight into the disease mechanism of spastic paraplegia 21: Loss of maspardin, a cytosolic protein recruited on lysosomes, deregulates the Rab7 GTPase and promotes nuclear translocation of the transcription factor EB (TFEB)**
Thomas JACQMIN, University of Namur, NARILIS, URPhyM, Biology of Intracellular Trafficking laboratory ^{BELGIUM}

12:15 **SHORT TALK** **ATG9A prevents TNF cytotoxicity by an unconventional lysosomal targeting pathway**

Dr. Dario PRIEM, Ghent University, Department of Biomedical Molecular Biology; VIB-UGhent Center for Inflammation Research ^{BELGIUM}

12:30 **SHORT TALK** **Role of the Golgi-localized TMEM165 protein on glycosylation and on the endocytosis of cell adhesion molecules**

Andréa BLERET, UCLouvain, Louvain Institute of Biomolecular Science and Technology (LIBST) ^{BELGIUM}

12:45 *Lunch & Poster session*

14:15 **Cell biology of presenilin/gamma-secretase: connecting APP metabolism to lysosomal homeostasis**

Prof. Wim ANNAERT, KU Leuven, Department of Neurosciences; VIB-KU Leuven Center for Brain & Disease, Laboratory for Membrane Trafficking ^{BELGIUM}

14:55 **SHORT TALK** **PIKfyve complex and Pi_(3,5)P2 regulate the intracellular lysosomal network required for APP homeostasis in neurons**

Dr. Anaïs BÉCOT, Institute of Psychiatry and Neuroscience of Paris ^{FRANCE}

15:10 **SHORT TALK** **α -Synuclein-induced autophagy dysfunction in neuronal cells contributes to tunneling nanotube-mediated interaction with microglia**

Ranabir CHAKRABORTY, Institut Pasteur, Université Paris Cité, Membrane Traffic and Pathogenesis; Université Paris Saclay ^{FRANCE}

15:25 **SHORT TALK** **Disruption of lysosomal homeostasis and extracellular cathepsin release by Schwann cells in Charcot-Marie-Tooth disease type 1A**

Karen LIBBERECHT, Hasselt University, Biomedical Research Institute, Lab for Functional Imaging & Research on Stem Cells (FIERCE); VIB-KU Leuven Center for Brain & Disease Research, Laboratory of Neurobiology ^{BELGIUM}

15:40 *Coffee break*

16:10 **Exploring the cell with Michel: mannose 6-phosphate, lysosomes, and beyond**

Prof. Peter LOBEL, Rutgers University, Center for Advanced Biotechnology and Medicine, Piscataway ^{USA}

16:50 **Retrospective on the career of Emeritus Professor Michel Jadot and his remarkable contributions to the field of lysosomal biology**

Prof. Marielle BOONEN, University of Namur, NARILIS, URPhyM, Biology of Intracellular Trafficking laboratory ^{BELGIUM}

17:30 Closing remarks

18:00 *Drink*

19:00 *Walking dinner (by invitation only)*