

LYS FOR2625 SYMPOSIUM

LYSOSOMES & AUTOPHAGY BERLIN, JUNE 6-7, 2024

Final Program as of May 10, 2024

Thursday, June 6TH

08:00 – 10:00 h Registration

10:00 – 10:10 h Opening Remarks

Session I

10:15 – 10:45 h **Juan Bonifacino (NIH, Bethesda, USA)**
Lysosome repair defects in hereditary spastic paraplegia

10:45 – 11:00 h Selected abstract talk
Thomas Jacqumin (University Namur, Belgium): *Insight into the disease mechanism of spastic paraplegia 21, a neurological disorder caused by the loss of maspardin, a cytosolic protein recruited on lysosomes*

11:00 – 11:15 h Selected abstract talk
Yanwei Su (FMP Berlin, Germany): *The centronuclear myopathy protein and phosphoinositide phosphatase MTMR14 regulates lysosomal repair*

11:15 – 11:30 h Selected abstract talk
Jacques Neefjes (Leiden University Medical Centre, NL): *Systems mapping of bi-directional endolysosomal transport through the crowded cell*

11:30 – 11:55 h Coffee break

11:55 – 12:25 h **Gia Voeltz (University of Colorado – Boulder, USA)**
ER contact sites regulate Endosome biogenesis and trafficking

12:25 – 12:55 h **Costas Demetriades (Max Planck Institute for Biology of Ageing, Cologne, Germany)**
Subcellular separation of nutrient signaling to mTORC1

13:00 – 14:00 h Lunch

14:00 – 15:30 h **Poster Session I**

Session II

15:30 – 16:00 h **Christian Hübner (University Hospital Jena, Germany)**
De-Stressing the ER by ER-Phagy

16:00 – 16:30 h **Ivan Dikic (Goethe Universität Frankfurt/Main, Germany)**
Autophagy and lysosome functions during bacterial infections

16:30 – 16:45 h Selected abstract talk
Joao Mello-Vieira (Goethe Universität Frankfurt/Main, Germany): *Metabolic control of lysosome functions during bacterial infection*

16:45 – 17:15 h **Jan Carette (Stanford University, USA)**
Hold on for dear life: how viruses latch on to essential receptors to escape endosomes

17:30 – 19:00 h Snack Buffet

Evening Session

19:00 – 19:30 h **Dejian Ren (University of Pennsylvania, Philadelphia, USA)**
Lysosomal Ion Channels in Neurodegenerative Diseases

19:30 – 19:45 h Selected abstract talk
Marko Roblek (Medical University of Vienna, Austria): *Orphan lysosomal solute carrier MFSD1 facilitates highly selective dipeptide transport*

19:45 – 20:15 h **Sergio Grinstein (University of Toronto, Canada)**
Snx10 regulates lysosomal phosphoinositides and chloride transport

20:15 – 21:30 h **Poster Session II with Reception**

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Session III

- 09:15 – 09:45 h **Andrea Ballabio (TIGEM, Pozzuoli/Naples, Italy)**
Lysosomal signaling in inherited cancer syndromes
- 09:45 – 10:00 h Selected abstract talk
Andrea Zanotti (DKFZ Heidelberg, Germany): *Mechanistic characterization of different subcellular V-ATPase complexes*
- 10:00 – 10:30 h **Rushika Perera (University of California, San Francisco, USA)**
Decoding lysosomal mechanisms of cellular adaptation

10:30 – 12:00 h **Poster Session III**

12:00 – 13:00 h Lunch

Session VI

- 13:00 – 13:30 h **Kathrin Thedieck (University of Innsbruck, Austria)**
The mTOR-AHR pathway enhances lysosome function and translation under tryptophan stress
- 13:30 – 13:45 h Selected abstract talk
Pathma Muthukottiappan (University of Bonn): *Alterations in lipid homeostasis affect Ragulator-mediated lysosomal positioning*
- 13:45 – 14:00 h Selected abstract talk
Chun Hei Li (Utrecht University, The Netherlands): *Spatiotemporal proteomics reveals biosynthetic lysosomal membrane protein interactome in neurons*
- 14:00 – 14:30 h **Meng Wang (Baylor College of Medicine, Houston, USA)**
Lysosomal Insights into Organismal Longevity

14:30 – 16:00 h **Poster Session IV**

Session V

- 16:00 – 16:30 h **Monther Abu-Remaileh (Stanford University, USA)**
Intra-lysosomal lipid metabolism and neurodegeneration: from tool development to novel biology

16:30 h **Closing Remarks and End of Conference**