

Autophagy Workshop 2022

Autophagy in Health and Disease



Program - 16.09.2022 - Lausanne

8:30-9:00- Registration opens, coffee, croissants

9:15 Welcome Address

9:30-10:15 Kenyote Lecture - Eeva-Liisa Eskelinen (University of Turku, Finland): Membrane dynamics during autophagosome biogenesis: what correlative light-electron microscopy and 3D electron microscopy can tell us

Session 1: Regulation of Autophagy

10:15-10:45 Invited Speaker - Christian Behrends (Ludwig-Maximilians-Universität (LMU), Germany): Exploring machinery and cargo of selective autophagy

10:45-11:00 Short Talk - Saskia Barz (University of Freiburg, Germany): Conserved YKT6 regulation of autophagosome-lytic compartment fusion is driven by Atg1/ULK1 phosphorylation in yeast and mammals

11:00-11:15 Coffee Break

11:15-11:30 Short Talk - Nesibe Peker (Koc University Research Center for Translational Medicine (KUTTAM), Istanbul, Turkey): Autophagy, mitophagy and ubiquitin proteasome system proteins form a protein complex that regulates autophagic clearance of mitochondria

11:30-11:45 Short Talk - Joel Tuomaala (University of Bern, Switzerland): Preferential ribophagy at an organismal scale: balancing starvation survival and recovery dynamics

11:45-12:00 Flash Talks (5 x 3')

FT1: Anna Bill (University of Bern, Switzerland): The oncogenic DMTF1 β splice variant promotes early autophagy-dependent cancer cell motility

FT2: Alessandro Luciani (University of Zurich, Switzerland): Lysosomal cystine mobilization through cystinosin tailors mTORC1 signaling to guide cell fate decisions in the kidney

FT3: Pauline Depierre (University of Lausanne, Switzerland): Autosis-mediated neuronal death: what are the molecular mechanisms?

FT4: Harpreet Mandhair (University of Bern, Switzerland): ULK1 inhibition preferentially targets Germinal Centre B-cell – Diffuse Large B-cell Lymphoma subtype by attenuating autophagy, C-MYC and inflammation

FT5: Raphael Roduit (Jules-Gonin Ophthalmic Hospital, Lausanne, Switzerland): Hypoglycemia induces autophagy in the mouse retina

12:00-13:30 Lunch and Posters:

12:00-12:45 Lunch and Posters (even numbers of posters)

12:45-13:30 Lunch and Posters (odd numbers of posters)

13:00-13:30 LS² Section Autophagy Member Meeting

Session 2: Method Updates in Autophagy Research

13:30-14:00 Invited Speaker - Ian Ganley (University of Dundee, UK): Strengthening the link between Parkinson's disease and mitophagy

14:00-14:15 Short Talk - Myra Chavez (University of Bern, Switzerland): Zebrafish model to study autophagy and lysosomal processing in cardiovascular development

14:15-14:30 Coffee Break

Session 3: Autophagy in Cell Physiology

14:30-15:00 Invited Speaker - Etienne Morel (Institut Necker Enfants Malades, Paris, France): Autophagy machinery mobilization in ciliogenesis during nutritional stress: a non-canonical response

15:00-15:30 Invited Speaker - Tassula Proikas-Cezanne (University of Tuebingen, Germany): Regulation of WIPI1 function in autophagy

15:30-15:45 Short Talk - Theodora Chalatsi (University of Lausanne, Switzerland): The roles of autophagy in PV expressing neurons

15:45-16:00 Coffee Break

Session 4: Autophagy in Cell Death and Pathologies

16:00-16:30 Invited Speaker - Patricia Boya (University of Fribourg, Switzerland): Selective autophagy plays a protective role against acute and age-related retinal degeneration

16:30-17:00 Invited Speaker - Nektarios Tavernarakis (Foundation for Research and Technology-Hellas (FORTH), Greece): Nuclear autophagy delays ageing and preserves germline immortality under stress

17:00-17:15 Short Talk - Katarina Wendy Schmidt (University of Zurich, Switzerland): NDP52 restricts KSHV entry through recruitment of selective autophagy to virus-containing endosomes

17:15 Closing Remarks, Poster and Short-Talk Prizes, followed by BBQ and drinks!!!

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