

PROGRAM

Day1| Nov 13, Monday, 2023

SESSION 1: MOLECULAR MECHANISM OF AUTOPHAGY

Chair Quan Chen

- 08:30-08:40 Opening remarks Hong Zhang
- 08:40-09:20 Sharon Tooze Francis Crick Institute
[35'+5'] Title: Towards understanding the function of key ATG proteins in mammalian cells (Keynote Speech)
- 09:20-09:40 Hanming Shen University of Macau
[15'+5'] Title: Regulation of mitophagy by glucose metabolism
- 09:40-10:00 Qing Zhong Shanghai Jiao Tong University
[15'+5'] Title: Assembly of HOPS complex on autophagosome membrane for membrane tethering and fusion
- 10:00-10:20 Boxun Lu Fudan University
[15'+5'] Title: Targeting Organelles by Autophagy-tethering compounds (ATTECs)

10:20-10:40 Break

Chair Du Feng

- 10:40-11:00 Da Jia Sichuan University
[15'+5'] Title: LKB1 signaling @ Golgi
- 11:00-11:20 Yan Zhao Southern University of Science and Technology
[15'+5'] Title: PISD-ATG2 mediates fatty acid transfer from LDs to mitochondria
- 11:20-11:40 Na Mi Xinjiang Medical University
[15'+5'] Title: Growing autophagosomes on p62 bodies

Chair Zhi Hong

- 11:40-12:00 Yueguang Rong Huazhong University of Science and Technology
[15'+5'] Title: The Late Stages of Autophagy
- 12:00-12:20 Rong Liu China Agricultural University
[15'+5'] Title: Dysregulating GPP1's exacerbates multiple liver lipid disorders by inhibiting autophagy

12:20-14:00 Lunch and Poster Session

SESSION 2: AUTOPHAGY AND DISEASES

Chair Wei Liu

- 14:00-14:40 Hong Zhang Institute of Biophysics, CAS
[35'+5'] Title: Liquid-liquid phase separation in autophagy (Keynote Speech)
- 14:40-15:00 Liang Ge Tsinghua University
[15'+5'] Title: Autophagy in disease: promoting the good whereas fighting against the bad
- 15:00-15:20 Qian Yang Air Force Medical University
[15'+5'] Title: Transcriptional regulation of mTORC1 activity by oncogenic signals

Chair Boxun Lu

- 15:20-15:40 Du Feng Guangzhou Medical University
[15'+5'] Title: Nucleoid-phagy and Inflammation
- 15:40-15:55 Bo Wang Xiamen University
[10'+5'] Title: An ULK1/2-PXN mechanotransduction pathway suppresses breast cancer cell migration
- 15:55-16:10 Yating Wang Tsinghua University
[10'+5'] Title: Autophagy in pulmonary infections: a double-edged sword
- 16:10-16:30 Cong Liu Shanghai Institute of Organic Chemistry, CAS
[15'+5'] Title: Mechanistic view of pathological protein aggregation in Parkinson's disease)

16:30-16:50 Break

Chair Qian Yang

- 16:50-17:10 Jiahong Lu University of Macau
[15'+5'] Title: Discovery of natural autophagy modulators and their application in human diseases models
- 17:10-17:30 Min Li Sun Yat-sen University
[15'+5'] Title: TGN-associated V-ATPase and PI4P are essential for chemical-induced noncanonical autophagy

- 17:30-17:50 Aimin Yang Chongqing University
[15'+5'] Title: S-acylation in mammalian autophagy
- 17:50-18:10 Min Zhang Tsinghua University
[15'+5'] Title: Coronavirus Envelope (E) protein promotes TMED10-mediated unconventional protein secretion
- 18:10-18:30 Shiqian Qi Sichuan University
[15'+5'] Title: The function of ALS-linked C9orf72 complex

18:30-21:00 Banquet and Poster Session

Day2 | Nov 14, Tuesday, 2023

SESSION 3: SELECTIVE AUTOPHAGY

Chair Liang Ge

- 08:00-08:40 Zvulun Elazar Weizmann Institute of Science
[35'+5'] Title: Mechanism of autophagy in health and disease (Keynote Speech)
- 08:40-09:00 Lilin Du NIBS, Beijing
[15'+5'] Title: Selective autophagy in fission yeast
- 09:00-09:20 Zhiyin Song Wuhan University
[15'+5'] Title: Mitochondria-lysosome contacts

Chair Yushan Zhu

- 09:20-09:35 Yanfen Liu Shanghai Tech
[10'+5'] Title: USP20 coordinates with VAPs to stabilize the ER-phagy receptor FAM134B for efficient ER-phagy
- 09:35-09:55 Wei Wan Zhejiang University
[15'+5'] Title: Regulation of lysosome function by cGAS-STING pathway
- 09:55-10:10 Liming Wang Hunan University
[10'+5'] Title: The crosstalk of cell death and mitophagy in response to mitochondrial damage

10:10-10:30 Break

Chair Zhiyin Song

- 10:30-10:45 Chunmei Chang Fudan University

- 10:45-11:00 [10'+5'] Title: Reconstitution of mammalian selective autophagy
Xi Wang Institute of Biophysics, CAS
- 11:00-11:15 [10'+5'] Title: ER-phagy mediated by the V-ATPase-ATG16L1-LC3C axis
Guang Lu Sun Yat-sen University
- [10'+5'] Title: Regulation of full-length PINK1 ubiquitination and degradation during mitophagy

Chair Zhiping Xie

- 11:15-11:30 Rui Jia Shandong University
[10'+5'] Title: Negative regulation of autophagy by ubiquitination of LC3B
- 11:30-11:50 Hui Jiang NIBS, Beijing
[15'+5'] Title: A PPTC7-FBXL4 mitophagy sensor pathway for mitochondrial mass control
- 11:50-12:10 Binbin Ding Huazhong University of Science and Technology
[15'+5'] Title: ATG14 Targets Lipid Droplets and Acts as An Autophagic Receptor for Syntaxin18 Regulated Lipid Droplet Turnover
- 12:10-12:30 Yu Xue Huazhong University of Science and Technology
[15'+5'] Title: Knowledge distillation facilitates uncovering autophagy regulators from big multi-omics data

12:20-14:00 Lunch

14:00-18:00 **Face-to-face with Editors**

18:00-20:00 Dinner
20:00-22:00 Roundtable meeting

Day3 | Nov 15, Wednesday, 2023

SESSION 4: MODEL ORGANISMS AND AUTOPHAGY

Chair Da Jia

- 08:00-08:40 Quan Chen Nankai University
[35'+5'] Title: FUNDC1-mediated mitophagy, mechanisms and its implications (Keynote Speech)
- 08:40-09:20 Della David Babraham institute
[35'+5'] Title: Strategies to mitigate age-dependent protein aggregation

(Keynote Speech)

- 09:20-09:40 Lifeng Pan Shanghai institute of Organic Chemistry, Chinese Academy of Sciences
[15'+5'] Title: Structural and mechanistic studies of autophagy receptor STBD1 for mediating glycophyagy
- 09:40-10:00 Wenjun Wang Jinan University
[15'+5'] Title: ENDOG promotes PME, autophagy and NAFLD
- 10:00-10:20 Caiji Gao South China Normal University
[15'+5'] Title: Roles of Canonical and Non-canonical Autophagy in Plant Abiotic Stress Management

10:20-10:35 Break

Chair Min Zhang

- 10:35-10:55 Qiming Sun Zhejiang University
[15'+5'] Title: A cholesterol sensing complex regulates ER-phagy
- 10:55-11:15 Cong Yi Zhejiang University
[15'+5'] Title: Autophagy and energy metabolism
- 11:15-11:35 Zhiping Xie Shanghai Jiao Tong University
[15'+5'] Title: Temporal dissection of the roles of Atg4 and ESCRT in autophagosome formation

Chair Cong Yi

- 11:35-11:55 Kefeng Lu Sichuan University
[15'+5'] Title: Lipid regulation on autophagy
- 11:55-12:10 Linsen Li Shanghai Jiao Tong University
[10'+5'] Title: TBD
- 12:10-12:25 Zhi Hong Zhejiang University
[10'+5'] Title: Dynamic interaction of REEP5-MFN1/2 enables mitochondrial hitchhiking on tubular ER

12:25-14:00 Lunch and Closing Ceremony

- 14:00-18:00 Free Communication
-