

KEYSTONE SYMPOSIA on Molecular and Cellular Biology

Autophagy (E6)

June 19-24, 2015 • Beaver Run Resort • Breckenridge, Colorado, USA

Scientific Organizers: Eric H. Baehrecke and Jayanta Debnath

Supported by the Directors' Fund

Abstract & Scholarship Deadline: February 17, 2015 / Abstract Deadline: March 17, 2015 / Discounted Registration Deadline: April 21, 2015

FRIDAY, JUNE 19

Registration

SATURDAY, JUNE 20

Keynote Address

Ana Maria Cuervo, Albert Einstein College of Medicine, USA
Chaperone-Mediated Autophagy, Cell Quality Control and Aging

Regulators of Autophagy

Sharon A. Tooze, London Research Institute, UK
Mechanisms Controlling Autophagosome Formation in Mammals
Hong Zhang, Chinese Academy of Sciences, China
Identification of New Regulators of Autophagy in Animals
Noboru Mizushima, University of Tokyo, Graduate School of Medicine, Japan
Novel Insights into Autophagosome Formation and Maturation
Short Talk(s) Chosen from Abstracts

New Roles for Lysosomes in Autophagy Regulation

Li Yu, Tsinghua University, China
Autophagic Lysosome Reformation: Insight from in vitro Reconstitution
Andrea Ballabio, Telethon Institute of Genetics and Medicine, Italy
The Lysosome as a Regulator of Autophagy
David M. Sabatini, Whitehead Institute for Biomedical Research, USA
mTOR, Lysosomes and Control of Cell Bioenergetics
Short Talk Chosen from Abstracts

Poster Session 1

SUNDAY, JUNE 21

Selective Autophagy

Suresh Subramani, University of California, San Diego, USA
Selective Autophagy in Yeast
Anne Simonsen, University of Oslo, Norway
Lipid Binding Proteins and Control of Autophagosome Cargo Selection
Qing Zhong, UT Southwestern Medical Center, USA
Mechanism of Autophagy Regulated Ciliogenesis
Tamotsu Yoshimori, Osaka University, Japan
Membrane Recruitment and Selective Autophagy
Short Talk(s) Chosen from Abstracts

Autophagy, Neuronal Health and Neurodegenerative Disorders

Ai Yamamoto, Columbia University, USA
Exploring the Role of Selective Macroautophagy in the Brain
Zhenyu Yue, Icahn School of Medicine at Mount Sinai, USA
Autophagy and Neuronal Health
Ralph A. Nixon, NYU Langone Medical Center/Nathan Kline Institute, USA
Genetic Pathways to Autophagy Dysfunction in Alzheimer's Disease
Short Talk Chosen from Abstracts

Poster Session 2

MONDAY, JUNE 22

Non-Traditional Functions for Autophagy-Related Proteins

Douglas R. Green, St. Jude Children's Research Hospital, USA
Novel Roles for Autophagy Factors in Phagosomes
Michael Overholtzer, Memorial Sloan-Kettering Cancer Center, USA
Atg Gene Function during Entosis
Jayanta Debnath, University of California, San Francisco, USA
Autophagy, Protein Secretion and Cancer Progression
Vojo Deretic, University of New Mexico Health Sciences Center, USA
New Insights into Autophagy and Protein Secretion in Mammals
Short Talk(s) Chosen from Abstracts

Autophagy and Cancer

Robert T. Abraham, Pfizer Worldwide Research and Development, USA
Glutamine at the Crossroads of Cellular Metabolism, Stress Resistance, and Autophagy: Implications for Cancer Therapy
Kevin M. Ryan, Beatson Institute for Cancer Research, UK
The Role of Autophagy in a Model of Pancreatic Cancer
Eileen P. White, Rutgers University, USA
Autophagy, Metabolism and Cancer
Short Talk Chosen from Abstracts

Poster Session 3

TUESDAY, JUNE 23

Ubiquitin and Ubiquitin-Like Molecules in Autophagy

Brenda A. Schulman, St. Jude Children's Research Hospital, USA
Conjugation Mechanisms and Autophagy
J. Wade Harper, Harvard Medical School, USA
Proteomic Exploration of Ubiquitin and Autophagy Networks
Ivan Dikic, Goethe University Medical School, Germany
Molecular Targeting of Selective Autophagy
Eric H. Baehrecke, University of Massachusetts Medical School, USA
Ubiquitination and Control of Atg7-Independent Autophagy
Short Talk(s) Chosen from Abstracts

Autophagy in Infection and Immunity

Jeffery S. Cox, University of California, San Francisco, USA
Autophagy and the Host Response to Mycobacterium tuberculosis
Herbert (Skip) W. Virgin, Washington University School of Medicine, USA
Autophagy and Inflammatory Disease
Beth Levine, University of Texas Southwestern Medical Center, USA
Viruses, Autophagy and Health
Short Talk Chosen from Abstracts

WEDNESDAY, JUNE 24

Departure