

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Autophagy: Fundamentals to Disease (E2)

May 23-28, 2014 • Hyatt Regency Austin • Austin, Texas, USA

Scientific Organizers: Christina H. Eng, Daniel J. Klionsky, Guido Kroemer and Li Yu

Sponsored by Cell Research and Shire Human Genetic Therapies

Abstract & Scholarship Deadline: January 23, 2014 / Abstract Deadline: February 27, 2014 / Discounted Registration Deadline: March 24, 2014

FRIDAY, MAY 23

Arrival and Registration

SATURDAY, MAY 24

Keynote Address

Noboru Mizushima, University of Tokyo, Graduate School of Medicine, Japan
Novel Insights into Autophagy Function

Autophagosome Biogenesis and Trafficking

Fulvio Reggiori, University Medical Centre Utrecht, Netherlands
Roles of Phosphatidylinositol-3-Phosphate in Autophagy

Zvulun Elazar, Weizmann Institute of Science, Israel
Mechanisms of Autophagosome Biogenesis

Sharon A. Tooze, London Research Institute, UK
The role of PI3P and WIPI2 in autophagy

Short Talk(s) Chosen from Abstracts

Poster Session 1

Workshop 1

Short Talks Chosen from Abstracts

Mitochondrial Autophagy

Richard J. Youle, NINDS, National Institutes of Health, USA
Mechanisms of Mitophagy

Mondira Kundu, St. Jude Children's Hospital, USA
Mitochondrial (Dys)Function and Autophagy—a "Chicken or Egg?" Conundrum

Charleen T. Chu, University of Pittsburgh, USA
Mitophagy and Parkinson's Disease: Hanging in the Balance
Short Talk Chosen from Abstracts

SUNDAY, MAY 25

Mechanisms of Autophagy

Daniel J. Klionsky, University of Michigan, USA
Transcriptional Regulation by Pho23 Modulates the Frequency of Autophagosome Formation

Adi Kimchi, Weizmann Institute of Science, Israel
Discovering Novel Protein-Protein Interactions in Autophagy and in its Cross Talk with Apoptosis

Li Yu, Tsinghua University, China
Regulation of Autophagy by Protein Acetylation

Beat Nyfeler, Novartis Institutes for BioMedical Research, Switzerland
Genetic and Pharmacological Tools to Modulate Autophagy
Short Talk(s) Chosen from Abstracts

Role of Autophagy in Neurodegeneration

Albert R. La Spada, University of California, San Diego, USA
Defining a Transcriptional Regulatory Network for Autophagy Activation

Patricia Boya, CSIC, Spain
Lysosome Dysfunction and Neurodegeneration

David C. Rubinsztein, Cambridge Institute for Medical Research, UK
ATG16L1 Meets mATG9 in Recycling Endosomes - Additional Roles for the Plasma Membrane and Endocytosis in Autophagosome Biogenesis

Short Talk Chosen from Abstracts

Poster Session 2

MONDAY, MAY 26

Impact of Autophagy in Cancer

Guido Kroemer, Institut Gustave Roussy, France
Autophagy and Anticancer Immune Responses

Ravi K. Amaravadi, University of Pennsylvania, USA
Targeting Autophagy for Cancer Therapy

Jayanta Debnath, University of California, San Francisco, USA
Autophagy, Secretion and Cancer

Eileen P. White, Rutgers University, USA
Autophagy and Cancer Metabolism

Short Talk(s) Chosen from Abstracts

Pharmacological Manipulation of Autophagy

Christina H. Eng, Pfizer, USA
Evaluation of Autophagy Components as Oncology Drug Targets

Natalie D'Amore, Takeda Boston, USA
Targeting Autophagy for Cancer Therapy

Junying Yuan, Harvard Medical School, USA
Chaperone-Mediated Autophagy Degrades Mutant p53
Short Talk Chosen from Abstracts

Poster Session 3

TUESDAY, MAY 27

Autophagy and Disease

Beth Levine, University of Texas Southwestern Medical Center, USA
Autophagy and Immunity

Andrea Ballabio, Telethon Institute of Genetics and Medicine, Italy
The Transcriptional Control of Autophagy in Health and Disease

Ken H. Cadwell, New York University School of Medicine, USA
Anti-Inflammatory Functions of Autophagy in Crohn's Disease and Beyond

Junichi Sadoshima, Rutgers New Jersey Medical School, USA
Autophagy and Cardiomyopathy

Short Talk(s) Chosen from Abstracts

Workshop 2

Short Talks Chosen from Abstracts

Interplay between Autophagy, Metabolism and Aging

Ana Maria Cuervo, Albert Einstein College of Medicine, USA
Selective Autophagy and Metabolism in Aging

Frank Madeo, University of Graz, Austria
Spermidine for the Avoidance of Age Associated Disease

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Myung-Shik Lee, Samsung Medical Center, South Korea

Role of Autophagy in Obesity and Diabetes

Short Talk Chosen from Abstracts

WEDNESDAY, MAY 28

Departure