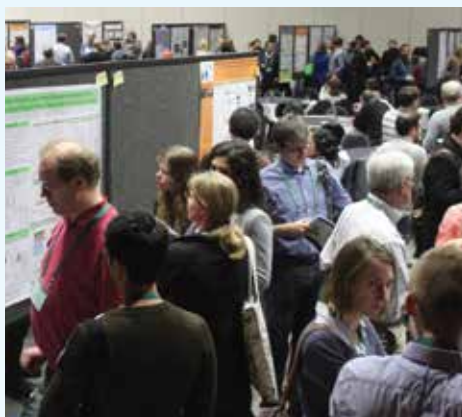




Announcing the 2016 Keystone Symposia conference on: **Mitochondrial Dynamics**

April 3–7, 2016

Sheraton Steamboat Resort | Steamboat Springs, Colorado | USA

Scientific Organizers:

Richard J. Youle and Gia K. Voeltz

Although the realm of mitochondrial dynamics continues to expand as discoveries mount regarding its importance in physiology and medicine, we still do not understand why it is crucial to maintain eukaryotic cell integrity, and we are only beginning to understand the molecular mechanisms and regulation involved. This topic is attracting more and more interest and an increasing number of investigators as the critical role of mitochondrial dynamics has been found very recently to impact innate immunity, cell division and chemoresistance. This Keystone Symposia meeting will thus highlight the latest advances in diverse disciplines including neurology, aging, cancer research, autophagy, membrane morphogenesis, structural biology and bioenergetics. The program groups the best senior and junior scientists in these disciplines to break down barriers between different fields of research and promote innovation. As the most important discoveries in mitochondrial dynamics lie ahead, the interactions at this meeting should play a key role in their advance.

Session Topics:

- Architecture of the Inner Mitochondrial Membrane
- Mitochondrial Fission and Fusion
- Mitochondrial-Organellar Contact Sites
- Mitochondrial Motility
- Mitochondria Biogenesis in Health and Disease
- Mitochondria as Signaling Platforms
- Mitochondrial Regulation and Cell Death
- Mitochondrial Quality Control

plus a workshop

CONFIRMED SPEAKERS

(as of May 18, 2015):

Agnieszka Chacinska
David C. Chan
Nika N. Danial
Andrew G. Dillin
György Hajnóczky
Samuel Hasson
Siegfried Hekimi
Suzanne Hopkins
Stefan Jakobs
Thomas Langer
Jennifer A. Lippincott-Schwartz
Giovanni Manfredi
Heidi M. McBride
Jodi Nunnari
Nikolaus Pfanner
William A. Prinz
Michael T. Ryan
Maya E. Schuldiner
Thomas L. Schwarz
Luca Scorrano
Janet M. Shaw
Bruce M. Spiegelman*
Anu Suomalainen-Wartiövaara
Gia K. Voeltz
Benedikt Westermann
Hong Xu
Richard J. Youle

**Keynote Speaker*



Submitting an abstract is a great way of participating in the conference through poster presentation and possible selection for a short talk.

Scholarship & Discounted Abstract Deadline: Dec 2, 2015

Abstract Deadline: Jan 6, 2016

Discounted Registration Deadline: Feb 3, 2016

For additional details, visit **www.keystonesymposia.org/16D2**.

KEYSTONE SYMPOSIA™
on Molecular and Cellular Biology

Accelerating Life Science Discovery

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SUNDAY, APRIL 3

Arrival and Registration

MONDAY, APRIL 4

Welcome and Keynote Address

Bruce M. Spiegelman, Harvard Medical School, USA
Mitochondrial Biogenesis and Muscle Function

Architecture of the Inner Mitochondrial Membrane

Stefan Jakobs, Max Planck Institute for Biophysical Chemistry, Germany
Super-Resolution Microscopy of Mitochondrial Architecture

***Nikolaus Pfanner**, University of Freiburg, Germany
Mitochondrial Machineries for Protein Import and Assembly

Agnieszka Chacinska, International Institute of Molecular and Cell Biology in Warsaw, Poland
Quality Control of Mitochondrial Protein Sorting

***Jodi Nunnari**, University of California, Davis, USA
The Function of the MICOS Complex

Short Talk(s) Chosen from Abstracts

Workshop

Short Talks Chosen from Abstracts

Mitochondrial Fission and Fusion

Janet M. Shaw, University of Utah, USA
On the Move: Physiological and Cellular Functions of Mitochondrial Distribution

Michael T. Ryan, Monash University, Australia
Mitochondrial Fission Machinery

***Gia K. Voeltz**, University of Colorado, Boulder, USA
Dynamin Family Activities

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, APRIL 5

Mitochondrial-Organelle Contact Sites

William A. Prinz, NIDDK, National Institutes of Health, USA
Lipid Exchange between the ER and Mitochondria

György Hajnóczky, Thomas Jefferson University, USA
Trafficking of Calcium and ROS between Mito-ER

Maya E. Schuldiner, Weizmann Institute of Science, Israel
Mitochondria-Vacuole Contact Sites

Jennifer A. Lippincott-Schwartz, NICHD, National Institutes of Health, USA
Mitochondria and Actin

Short Talk(s) Chosen from Abstracts

Mitochondrial Motility

Thomas L. Schwarz, Children's Hospital Boston and Harvard Medical School, USA
Mitochondrial Motility

Benedikt Westermann, Universität Bayreuth, Germany
Mitochondrial Motility and Inheritance in Yeast

Robert S. Balaban, NHLBI, National Institutes of Health, USA
Talk Title to be Announced

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, APRIL 6

Mitochondria Biogenesis in Health and Disease

***David C. Chan**, California Institute of Technology, USA
Fission and Fusion and Embryonic Development

***Andrew G. Dillin**, University of California, Berkeley, USA
Mitochondria and Protein Folding and Aging

Samuel Hasson, Pfizer, USA
Mitochondrial Drug Targets in Neurodegeneration

Giovanni Manfredi, Weill Medical College of Cornell University, USA
Mitochondrial Dynamics and Quality Control in Amyotrophic Lateral Sclerosis

Short Talk(s) Chosen from Abstracts

Mitochondria as Signaling Platforms

Nika N. Danial, Dana-Farber Cancer Institute, USA
Mitochondria and Energy Metabolism in Disease States

***Heidi M. McBride**, McGill University, Canada
Mitochondrial Budding Platforms

Reuben J. Shaw, The Salk Institute for Biological Studies, USA
AMPK: Central Integrator of Metabolic Adaptation and Mitochondrial Homeostasis

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, APRIL 7

Mitochondrial Regulation and Cell Death

***Thomas Langer**, CECAD Research Center, Germany
Mitofusin Regulation

Siegfried Hekimi, McGill University, Canada
The Mitochondrial Apoptotic Machinery Links ROS Signaling to Animal Longevity

Suzanne Hoppins, University of Washington, USA
Bax and Mitochondrial Dynamics

***Luca Scorrano**, University of Padova, Italy
Systemic Adaptation to Changes in Cristae Shape and Mitochondrial Dynamics

Short Talk(s) Chosen from Abstracts

Mitochondrial Quality Control

***Richard J. Youle**, NINDS, National Institutes of Health, USA
PINK1/Parkin Mitophagy

Anu Suomalainen-Wartiovaara, University of Helsinki, Finland
Mitophagy in iPS Cells

Hong Xu, NHLBI, National Institutes of Health, USA
Quality Control during Oogenesis

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

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FRIDAY, APRIL 8

Departure