

Mitochondria: From Basic Biology to Mechanisms of Disease Conference

27 February - 02 March 2019 | Nassau, Bahamas

Synopsis

Mitochondria sit at the intersection of many important areas of biology and biomedicine, but there are limited opportunities for people studying different areas of biology where mitochondria are important (aging, neurodegenerative disease, inherited disorders, mitochondria disease, heart disease, myopathies and muscular dystrophies, evolutionary biology, obesity, diabetes, kidney disease, etc.) to come together at one meeting. The conference will bring together scientists and clinicians with expertise in a breadth of mitochondrial biology to explore topics at the interface of basic and translational biology. Mitochondrial basic mechanisms of organelle regulation, mitochondrial mechanisms of disease, cutting edge technologies, and interventional strategies will be emphasized.

Learning Objectives

- Basic mechanisms and regulation of mitochondrial biology
- Discuss crosstalk and integration of mitochondrial pathways with other cellular compartments and cell signalling
- Learn about how these pathways of mitochondrial dysfunction contribute to diseases
- Discuss therapies targeting mitochondria in human diseases
- Discuss future directions for mitochondrial research

Important dates

Poster Submission	14 December 2018
Registration Deadline	14 December 2018



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Scientific Chairs

Matt Kaerberlein

University of Washington

Marcia Haigis

Harvard Medical School

Keynote Speaker

Douglas Wallace

Children's Hospital of Philadelphia

Invited Speakers

Johan Auwerx

Ecole Polytechnique Federale de Lausanne

Nika Danial

Dana-Farber Cancer Institute/Harvard Medical School

José Antonio Enriquez

CNIC

Steven Gross

Weill Cornell Medical College

Cole Haynes

University of Massachusetts Medical School

Isha Jain

University of California, San Francisco

Leanne Jones

University of California, Los Angeles

Thomas Langer

Max Planck Institute for Biology of Ageing

William Mair

Harvard University

Heidi McBride

McGill University

Jodi Nunnari

University of California, Davis

Philipp Scherer

The University of Texas Southwestern Medical Center

Luca Scorrano

University of Padova

Anu Suomalainen-Wartiavaara

University of Helsinki

Gerald Shadel

The Salk Institute for Biological Studies

Yousin Suh

Albert Einstein College of Medicine

Eileen White

Rutgers Cancer Institute of New Jersey

Kelvin Yen

University of Southern California