SUNDAY, MARCH 27
Arrival and Registration

MONDAY, MARCH 28
Welcome and Keynote Address
Vamsi K. Mootha, Massachusetts General Hospital, USA
Systems Approaches for Mitochondrial Disease

Systems Approaches to Mitochondrial Biology
Jing Fan, University of Wisconsin-Madison, USA
Novel Mechanism Driving Dynamic Remodeling of Mitochondrial Metabolism during Immune Response
Anne N. Murphy, Cytokinetics, USA
Talk Title to be Announced
Dave Pagliarini, Washington University in St. Louis, USA
A MITOMICS Analysis for Defining Mitochondrial Protein Function

Short Talk(s) Chosen from Abstracts

Stress-Responsive Quality Control
Valentina Perissi, Boston University School of Medicine, USA
Metabolic Adaptation via Mitochondria Retrograde Signaling
Cole M. Haynes, University of Massachusetts Medical School, USA
Mitochondrial Unfolded Protein Response (mtUPR)
Bryan C. Dickinson, University of Chicago, USA
Lipid Signaling in Redox Regulation and Mitochondria

Short Talk(s) Chosen from Abstracts

Posters Session 1

TUESDAY, MARCH 29
Mitochondrial Dynamics, Trafficking, and Interorganellar Contacts
Thomas L. Schwarz, Children's Hospital Boston and Harvard Medical School, USA
Moving and Anchoring Mitochondria
Jennifer A. Lippincott-Schwartz, Howard Hughes Medical Institute - Janelia Farm, USA
Emerging Imaging Technologies to Study Mitochondria Architecture, Dynamics and Function
David C. Chan, California Institute of Technology, USA
Mitochondrial Dynamics in Tissue Physiology
Maya B. Schuldiner, Weizmann Institute of Science, Israel
Mitochondrial Interorganellar Contacts

Short Talk(s) Chosen from Abstracts

Retrograde Signaling
Benjamin Tu, University of Texas Southwestern Medical Center, USA
Mitochondrial Redox Signaling
Yasemin Sancak, University of Washington, USA
Mitochondrial Calcium Signaling
Martin Kampmann, University of California, San Francisco, USA
Interrogating Mitochondria in Stress and Disease using CRISPR-Based Functional Genomics

Short Talk(s) Chosen from Abstracts

Poster Session 2

WEDNESDAY, MARCH 30
Mitochondrial Protein Trafficking and Biogenesis
Toshiya Endo, Kyoto Sangyo University, Japan
Protein Trafficking for Biogenesis and Maintenance of Mitochondria
Agnieszka Chacinska, University of Warsaw, Poland
Redox Regulation of Protein Translocation
Mike Ryan, Monash University, Australia
Integration and Assembly of Subunits into Human Mitochondrial Complex I
Samantha C. Lewis, University of California, Berkeley, USA
Regulation of Mitochondrial DNA Replication in Animal Cells

Short Talk(s) Chosen from Abstracts

Mitochondrial Translation
L. Stirling Churchman, Harvard Medical School, USA
Co-Regulation of Mitochondrial and Nuclear Gene Expression Programs
Alice Y. Ting, Stanford University, USA
Methods to Map and Manipulate the Mitochondrial Proteome
Joanna Rorbach, Karolinska Institutet, Sweden
Talk Title to be Announced

Short Talks Chosen from Abstracts

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

THURSDAY, MARCH 31
Departure

* Session Chair † Invited but not yet accepted  Program current as of September 19, 2021. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.