THURSDAY, JANUARY 14
Arrival and Registration

FRIDAY, JANUARY 15

Keynote Address (Joint)
Marcia C. Haigis, Harvard Medical School, USA
Mitochondria and Metabolism

HF, Metabolic Syndrome, and Altered Substrate Metabolism (Joint)
Rong Tian, University of Washington, USA
NAD+ Redox Balance and Heart Failure
Zoltan P. Arany, University of Pennsylvania, USA
Mitochondria and Heart Failure
Christoph Maack, Universitätsklinikum des Saarlandes, Germany
Targeting Mitochondrial Calcium and ROS in Heart Failure
Short Talks Chosen from Abstracts

Workshop 1 (J2)
Short Talks Chosen from Abstracts

Protein and Organelle Quality Control (J2)
Bianca Brundel, VU University Medical Center, Netherlands
Proteostasis and Atrial Remodeling with Afb
David A. Kass, Johns Hopkins Hospital, USA
PKG and Protein Quality Control
Lucie Carrier, University Medical Center Hamburg-Eppendorf, Germany
Autophagy and Cardiomyopathies
Short Talks Chosen from Abstracts

Regulation of Mitochondrial Calcium (J1)
Diego De Stefani, University of Padova, Italy
Mitochondrial ATP-Sensitive Potassium Channels
Donald M. Bers, University of California, Davis, USA
Mitochondrial Calcium Sparks
Speaker to be Announced
Short Talks Chosen from Abstracts

Poster Session 1

SATURDAY, JANUARY 16

HFpEF - Where Are We Now? (J2)
Gregory D. Lewis, Massachusetts General Hospital, USA
The Integration of Cardiac-Skeletal-Metabolic Systems
Joseph A. Hill, University of Texas Southwestern Medical Center, USA
HFpEF: Malady, Model, and Mechanisms
Kavita Sharma, Johns Hopkins University School of Medicine, USA
Human HFpEF - Clinical Molecular and Cellular Phenotyping
Speaker to be Announced
Short Talks Chosen from Abstracts

Mitochondria and Cell Death (J1)
Elizabeth Murphy, NHLBI, National Institutes of Health, USA
Mitochondrial Calcium and Cell Death
Jeffery D. Molkentin, Cincinnati Children's Hospital Medical Center, USA
Role of Adenine Nucleotide Translocator in Mitochondrial Permeability Pore and Death
Roberta A. Gottlieb, Cedars-Sinai Medical Center, USA
Mitochondrial Autophagy
Elizabeth A. Jonas, Yale University, USA
Role of the F1-F0-ATPase in Regulating Cell Death
Short Talks Chosen from Abstracts

Epigenetic Proteins and Nucleic Acids (J2)
Saptarsi M. Haldar, University of California, San Francisco, USA
Targeting Gene Regulatory Machinery in Heart Failure
Laurie A. Boyer, Massachusetts Institute of Technology, USA
The Role of Metabolism in Cardiac Maturation
Paula da Costa Martins, Maastricht University, Netherlands
Noncoding RNAs and Cell-Cell Communication in Heart Failure
Short Talks Chosen from Abstracts

Mitochondria Shape and Function (J1)
Luca Scorrano, University of Padova, Italy
Mitochondrial Dynamics and Signaling
Gia K. Voeltz, University of Colorado Boulder, USA
ER-Mitochondrial Contacts
Brian Glancy, NHLBI and NIAMS, National Institutes of Health, USA
Sustaining Power: Building Energy Networks in Striated Muscle Cells
Short Talks Chosen from Abstracts

* Session Chair † Invited but not yet accepted  Program current as of August 31, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
KEYSTONE SYMPOSIA  
on Molecular and Cellular Biology

Heart Failure: Mechanisms and Therapies - RESCHEDULING IN PROGRESS (J2)  
Scientific Organizers: David A. Kass and Saptarsi M. Haldar  
Supported by the Directors' Fund

Mitochondria, Metabolism and Heart - RESCHEDULING IN PROGRESS (J1)  
Scientific Organizers: Elizabeth Murphy and Zoltan P. Arany  
January 14-18, 2021 • Eldorado Hotel & Spa • Santa Fe, NM, USA  
Supported by the Directors' Fund  

Scholarship Deadline: September 23, 2020 / Abstract Deadline: October 14, 2020 / Discounted Registration Deadline: November 12, 2020

Poster Session 2  
SUNDAY, JANUARY 17

Mitochondria and HF (Joint)  
Jared Rutter, University of Utah, USA  
Mitochondrial Metabolism in the Heart  
John W. Elrod, Lewis Katz School of Medicine at Temple University, USA  
Mitochondrial Calcium and Epigenetics  
Åsa B. Gustafsson, University of California, San Diego, USA  
Mitophagy and Heart Failure  
E. Dale Abel, University of Iowa, Carver College of Medicine, USA  
Mitochondria in Heart Failure, Metabolism and Beyond  
Short Talks Chosen from Abstracts

Fibrosis and Fibroblast/Myocyte Crosstalk (J2)  
Samir Ounzain, HAYA Therapeutics, Switzerland  
LncRNA Therapies for Cardiac Fibrosis  
Jennifer Davis, University of Washington, USA  
Modulation of Myocardial Fibrosis  
Jonathan A. Epstein, University of Pennsylvania, USA  
A CAR-T Based Anti-Fibrotic Approach  
Short Talks Chosen from Abstracts

Mitochondria Energetics (J1)  
Paul S. Brookes, University of Rochester Medical Center, USA  
Mitochondrial Energetics and Cardiovascular Disease  
Orian S. Shirihai, University of California, Los Angeles, USA  
Mitochondria and Lipid Droplets  
Speaker to be Announced  
Short Talks Chosen from Abstracts

Poster Session 3  
MONDAY, JANUARY 18

New Horizons - Diagnostics and Therapeutics (J2)  
Daniele Catalucci, Humanitas Research Hospital, Italy  
Nanoparticle Delivery by Inhalation to Treat Heart Failure  
Jeff D. Reagan, Amgen Research, USA  
AMG 594: A Selective Small Molecule Cardiac Troponin Activator as a Potential Treatment for Systolic Heart Failure  
Mauro Giacca, International Center for Genetic Engineering, Italy  
mRNA Therapeutics for Cardiac Regeneration and Gene Editing  
Pilar Ruiz-Lozano, REGENCOR, USA  
Follistatin-Like 1 for Heart Failure Therapy  
Short Talks Chosen from Abstracts

Mitochondria and Metabolism (J1)  
Rui-ping Xiao, Peking University, China  
RIP Kinase Mediated Death  
Nika N. Danial, Dana-Farber Cancer Institute, USA  
Metabolism and Cell Stress  
David Brown, Virginia Tech and Stealth BioTherapeutics, USA  
Targeting Mitochondria in Cardiovascular Diseases  
Morris J. Birnbaum, Pfizer Inc., USA  
Metabolic Targets in Heart Failure  
Short Talks Chosen from Abstracts

Workshop 2 (J2)  
Short Talks Chosen from Abstracts

Immune Modulation (J2)  
Ajay Chawla, Merck and University of California, San Francisco, USA  
Myeloid Cells and Cardiometabolic Disease  
Daniela Cihakova, Johns Hopkins University, USA  
Controllers of Autoimmune Myocarditis  
Matthias Nahrendorf, Massachusetts General Hospital, USA  
Myeloid Cells and Cardiovascular Disease  
Short Talks Chosen from Abstracts

Mitochondria and Cell Death (J1)  
Richard N. Kitsis, Albert Einstein College of Medicine, USA  
Cell Death and Mitochondrial Quality Control  
John W. Calvert, Emory University School of Medicine, USA  
DJ1 Mitochondria and Cell Death  
Daria Mochly-Rosen, Stanford University, USA  
Mitochondrial Dynamics and Cell Death  
Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (J2)  
Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (J1)  

TUESDAY, JANUARY 19

Departure