

Bioenergetics in Health and Diseases (Y6-2023)

Organizer(s): Shingo Kajimura, Anna Krook and Jared Rutter

Keystone Resort, Keystone, CO • January 15 - January 19, 2023

Supported by the Directors' Fund

Sunday, January 15

Arrival and Registration

Welcome Mixer

Monday, January 16

Breakfast

Welcome and Keynote Session (Joint)

Peter Tontonoz †, University of California, Los Angeles
Molecular Mechanisms of Cardiometabolic Health

Sherita H. Golden †, Johns Hopkins School of Medicine
Diabetes and Social Determinants of Health

Metabolic Flux in Health and Disease (Joint)

Joshua D. Rabinowitz †, Princeton University
Cellular and Systemic Metabolic Flux

Michelle F. Clasquin †, Pfizer, Inc.
Metabolic Flux in Disease States

David E. James †, University of Sydney
Phosphorylation Mechanisms Controlling Metabolic Flux

David A. Guertin †, University of Massachusetts Medical School
Metabolic Flux in Adipose Tissues

Short Talks Chosen from Abstracts

On Own for Lunch

Poster Setup

Poster Viewing

Nutrition Sensing

Joseph A. Baur †, University of Pennsylvania
NAD Metabolism

Heather Christofk †, University of California, Los Angeles
Mitochondrial Amino Acid Metabolism and Cancer

Tony K.T. Lam †, Toronto General Research Institute
Gut Nutrition Sensing

Short Talks Chosen from Abstracts

Social Hour with Lite Bites

Poster Session 1

Tuesday, January 17

Breakfast

Bioenergetics and Energy Homeostasis (Joint)

Vamsi K. Mootha †, Massachusetts General Hospital
Mitochondrial Systems Biology

Jared Rutter, University of Utah
Mitochondrial Pyruvate Carrier and Metabolism

Deborah M. Muoio †, Duke University Medical Center
Mitochondrial Dysfunction in Cardiometabolic Disease

Shingo Kajimura, Harvard Medical School, Beth Israel Deaconess Medical Center
Mitochondrial Bioenergetics in Adipose Tissue

Short Talks Chosen from Abstracts

On Own for Lunch

Poster Setup

Poster Viewing

Exercise and Bioenergetics

Anna Krook, Karolinska Institutet
miRNA Directed Adaptations to Exercise in Skeletal Muscle

Mark A. Febbraio †, Monash Institute of Pharmaceutical Sciences
Metabolic Communication during Exercise

Kei Sakamoto †, Novo Nordisk Foundation Center
Energy Management in Skeletal Muscle – The Role of AMPK

Short Talks Chosen from Abstracts

Social Hour with Lite Bites

Poster Session 2

Wednesday, January 18

Breakfast

Adipose Tissue and Metabolic Diseases (joint)

Bruce M. Spiegelman †, Harvard Medical School
Different Adipocyte Thermogenic Mechanisms

Silvia Corvera, University of Massachusetts Medical School
Therapeutic Potential of Thermogenic Adipose Tissue

Philipp E. Scherer †, University of Texas Southwestern Medical Center
Adipocyte Mitochondria and Systemic Metabolism

Sadaf Farooqi †, University of Cambridge
Genetic Determinants of Adiposity

Short Talks Chosen from Abstracts †

On Own for Lunch

Poster Setup

Poster Viewing

Clock and Metabolism

Satchidananda Panda †, The Salk Institute for Biological Studies
Time-Restricted Feeding and the Mechanisms

Clara Bien Peek †, Northwestern University
Nutrient Regulation of Rhythms and Metabolism

Katja A. Lamia †, The Scripps Research Institute
Circadian Regulation of Energy Homeostasis

Short Talks Chosen from Abstracts

Social Hour with Lite Bites

Poster Session 3

Thursday, January 19

Breakfast

Inter-Organellar Communication

Navdeep S. Chandel †, Northwestern University
The Mitochondria Nucleus Communication

Kathryn E. Wellen †, University of Pennsylvania
Subcellular Metabolite Compartmentalization

Edward T. Chouchani †, Dana-Farber Cancer Institute
ROS Signaling and Metabolism

Short Talks Chosen from Abstracts

On Own for Lunch

Mitochondrial Dynamics

Jodi Nunnari †, University of California, Davis
Mechanisms of Mitochondrial Dynamics

Heidi M. McBride †, McGill University
Mitochondria-Derived Vesicles

Thomas Langer †, Max Planck Institute for Biology of Ageing
Mitochondrial Proteostasis

Gia K. Voeltz †, University of Colorado Boulder
Mitochondria-ER Dynamics

Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future

Directions (Organizers)

Social Hour with Lite Bites

Entertainment

Friday, January 20

Departure