

# Adipose Tissue: Energizing Good Fat (Y5-2023)

Organizer(s): Silvia Corvera, Kendra K. Bence and Rana K. Gupta

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

Supported by the Directors' Fund

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**Sunday, January 15**

## Arrival and Registration

Welcome Mixer

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**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

## Fat Depots and Inter-Organ

Communication

**Kendra K. Bence**, Pfizer Inc.

*Adipose Tissue Role in NASH*

**Clair Crewe** †, Washington University School of Medicine in St. Louis

*Modes of Signaling from Adipose Tissue*

**Jeremie Boucher** †, Evotec

*Adipose Tissue Targets in Metabolic Disease*

**Short Talks Chosen from Abstracts**

Social Hour with Lite Bites

## Poster Session 1

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**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

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## Heterogeneity of Adipocytes and their

Progenitors

**Rana K. Gupta**, University of Texas Southwestern Medical Center

*Adipocyte Progenitors in Adipose Tissue Development*

**Christian Wolfrum** †, ETH Zürich

*Heterogeneity of Adipocytes and their Progenitors*

**Patrick Seale** †, University of Pennsylvania

*Trajectories of Progenitor Cells during Adipocyte Development*

**Short Talks Chosen from Abstracts**

Social Hour with Lite Bites

## Poster Session 2

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**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

## Adipose Tissue Homeostasis and

Remodeling

**Karine Clément** †, INSERM / Sorbonne Université

*Adipose Tissue Remodeling in Obesity*

**Diane Mathis** †, Harvard Medical School

*Immune Homeostasis in Adipose Tissue*

**Mitchell A. Lazar** †, Perelman School of Medicine, University of Pennsylvania

*Molecular Mechanisms of Immune Homeostasis*

**Short Talks Chosen from Abstracts**

Social Hour with Lite Bites

## Poster Session 3

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**Thursday, January 19**

Breakfast

## Neurovascular Architecture of Adipose

Tissue

**Paul Cohen** †, Rockefeller University

*Development of Adipose Tissue Innervation*

**Jun Wu** †, University of Michigan

*Neurotransmitter Signaling in Adipose Tissue*

**Ana Domingos** †, University of Oxford

*Adipose Tissue Adrenergic Tone*

**Short Talks Chosen from Abstracts**

On Own for Lunch

## Lipid Droplet Dynamics and Lipid

Signaling

**Yu-Hua Tseng** †, Joslin Diabetes

Center/Harvard Medical School

*Lipid Metabolites in Systemic Metabolism*

**Richard White** †, Memorial Sloan Kettering Cancer Center

*Lipid Droplet Dynamics in Zebrafish*

**Meng C. Wang** †, Baylor College of Medicine/HHMI

*Lipid Dynamics during Lipolysis*

**Short Talks Chosen from Abstracts**

## Meeting Wrap-Up: Outcomes and Future

Directions (Organizers)

Social Hour with Lite Bites

Entertainment

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**Friday, January 20**

Departure

