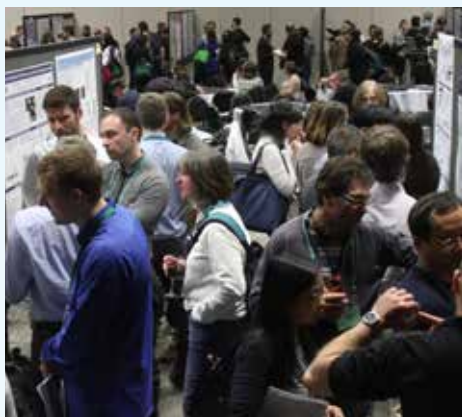




Join Keystone Symposia
for the 2016 conference on :

Obesity and Adipose Tissue Biology

February 15–19, 2016

Fairmont Banff Springs | Banff, Alberta | Canada

Scientific Organizers:

Yu-Hua Tseng, Philipp E. Scherer and Deborah Clegg

Obesity is a growing pandemic and a major contributor to metabolic syndrome and disorders such as type 2 diabetes, cardiovascular disease, dyslipidemia, non-alcohol fatty liver and some cancers. Excess fat mass is the main characteristic of obesity, and adipocytes are the critical players in obesity-associated metabolic disorders. This symposium will focus on recent advances in our understanding of adipocyte biology and its related pathogenesis. It aims to unite interdisciplinary researchers, from basic and translational scientists to clinicians and industrial scientists, in order to integrate and synergize the diverse body of knowledge of adipose tissue, discuss cutting-edge technologies and foster collaborative interactions. Attendees will gain an in-depth knowledge of adipocyte biology and new insight into the role of adipose tissue in obesity and its related metabolic disorders.

Session Topics:

- Brain-Adipose Communication
- Environmental Imprinting of Adipose Phenotype
- Developmental Origin and Recruitment of Adipose Tissue
- Cross-Talk between Adipose Tissue and Other Organs
- Regulation of Fuel Utilization in Adipose Tissue
- Non-Adipose Tissue Adipocytes
- Adipose Tissue Remodeling
- Novel CNS Pathways in Metabolic Regulation
- Workshop: New Therapeutic Approaches for Obesity and Related Metabolic Disorders



Submitting an abstract is a great way of participating in the conference through poster presentation and possible selection for a short talk.

Scholarship & Discounted Abstract Deadline: Oct 15, 2015

Abstract Deadline: Nov 17, 2015

Discounted Registration Deadline: Dec 15, 2015

For additional details, visit www.keystonesymposia.org/16B2.

KEYSTONE SYMPOSIA™
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MONDAY, FEBRUARY 15

Arrival and Registration

TUESDAY, FEBRUARY 16

Welcome and Keynote Address

C. Ronald Kahn, Joslin Diabetes Center and Harvard Medical School, USA
Obesity, Insulin Resistance and Type 2 Diabetes

Brain-Adipose Communication

Matthias H. Tschöp, Helmholtz Zentrum München and Technische Universität München, Germany
Astrocytes, Microglia, and Neurons in Body Weight Regulation

Joel K. Elmquist, University of Texas Southwestern Medical Center, USA
Hypothalamic Regulation of Metabolism

Gary J. Schwartz, Albert Einstein College of Medicine, USA
CNS and SNS Control of Adipose Function

Short Talk(s) Chosen from Abstracts

Environmental Imprinting of Adipose Phenotype

Yu-Hua Tseng, Joslin Diabetes Center/Harvard Medical School, USA
Novel Pathways Regulating Thermogenic Function of Brown/Beige Adipocytes

Deborah Clegg, Cedars-Sinai Medical Center, USA
Hypothalamic Autophagy, Mitophagy, and Lipophagy: Estrogens Regulate Them ALL!

Matthias Blüher, University of Leipzig, Germany
Molecular Determinants of Adipose Tissue Health

Short Talk Chosen from Abstracts

Poster Session 1

WEDNESDAY, FEBRUARY 17

Developmental Origin and Recruitment of Adipose Tissue

Bruce M. Spiegelman, Harvard Medical School, USA
Developmental Origins of Brown and Beige Adipocytes

Sheila Collins, Sanford-Burnham Medical Research Institute, USA
Integrating Signaling Mechanisms for Adipocyte 'Browning'

Rana K. Gupta, University of Texas Southwestern Medical Center, USA
Establishment and Maintenance of the White Adipose Lineage by Zfp423

Andreas Stahl, University of California, Berkeley, USA
Engineering Brown Adipose Tissue

Short Talk(s) Chosen from Abstracts

Cross-Talk between Adipose Tissue and Other Organs

Domenico Accili, Columbia University, USA
Cross-Talk between Adipose Tissue and Pancreatic Beta Cells

Michael P. Czech, University of Massachusetts Medical School, USA
Adipose Tissue and Hepatic Glucose Metabolism

Anthony M. Heagerty, University of Manchester, UK
The Role of Adipose Tissue in Cardiovascular Function

Short Talk Chosen from Abstracts

Poster Session 2

THURSDAY, FEBRUARY 18

Regulation of Fuel Utilization in Adipose Tissue

Barbara B. Kahn, Beth Israel Deaconess Medical Center, Harvard Medical School, USA
Lipogenesis in Adipose Tissue

Stephan Herzig, Helmholtz Center Munich and Heidelberg University Hospital, Germany
Molecular Control of Lipid Handling in Adipocytes

Chih-Hao Lee, Harvard University School of Public Health, USA
Mitochondrial remodeling and metabolic flexibility

Barbara Cannon, Stockholm University, Sweden
Mitochondrial Uncoupling and Fuel Utilization

Short Talk(s) Chosen from Abstracts

Workshop: New Therapeutic Approaches for Obesity and Related Metabolic Disorders

Short Talks Chosen from Abstracts

Non-Adipose Tissue Adipocytes

Clifford J. Rosen, Maine Medical Center, USA
Adipocytes in Bone

Maksim Plikus, University of California, Irvine, USA
The Role of Adipocytes in Skin Biology and Regeneration

Martin B. Brenner, Merck & Co. Inc, USA
A Central Role for Adipose in Metabolic Disease: Novel Insulin Sensitizing Mechanisms

Short Talk Chosen from Abstracts

Poster Session 3

FRIDAY, FEBRUARY 19

Adipose Tissue Remodeling

Philipp E. Scherer, University of Texas Southwestern Medical Center, USA
Adipose Tissue Fibrosis and Metabolic Dysfunction

Ajay Chawla, University of California, San Francisco, USA
Immune Regulation of Beige Adipose Tissue

Karine Clément, INSERM UMR 1166, France
Adipose Tissue Stiffness, Cell Size and Metabolic Function

Ruth E. Gimeno, Eli Lilly & Company, USA
Pharmacological Approaches to Diabetes and Metabolic Disorders

Short Talk(s) Chosen from Abstracts

Novel CNS Pathways in Metabolic Regulation

Speaker to be Announced

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Tamas L. Horvath, Yale School of Medicine, USA
Central Mitochondrial Dynamics in Energy Metabolism Regulation

Randy J. Seeley, University of Michigan, USA
Brain-Gut Axis and Metabolic Regulation

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

SATURDAY, FEBRUARY 20

Departure