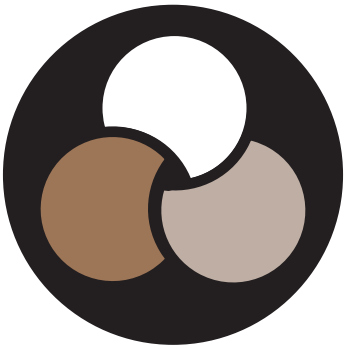


Adipose Biology Conference

2025

August 19th - 20th

Centre Mont-Royal

2200 Rue Mansfield
Montreal, QC, Canada
H3A 3R8

About US

Vision Statement

The Next Frontier in Adipose Biology: *Bridging Wisdom with Innovation*

Mission Statement

Our conference is a dynamic platform that unites scientists at all career stages, fostering collaboration, knowledge exchange and mentorship to propel groundbreaking advancements in mechanisms of adipose tissue biology.

Our PILLARS

EXPERTISE

Hosting the leaders of adipose biology research

IMPACT

Creating a lasting impact on the field of adipose biology

CONNECTION

Connecting students and early career investigators with established researchers

DISCUSSION

Fostering comfortable and engaging discussion of unpublished research

DISRUPTION

Attributing to new knowledge and groundbreaking research

RECOGNITION

Recognizing and promoting the achivements of investigators

Our TEAM

Our team is composed of distinguished scientists and researchers renowned for their expertise and innovation in the field of adipose biology. With a rich array of backgrounds in molecular biology, genetics, and metabolic studies, our team members are at the forefront of exploring the complexities of adipose tissue. Their work is not only advancing our understanding of fat biology but also paving the way for new treatments and therapies for metabolic disorders. Each member brings a unique perspective and a relentless passion for science.

Hoon-Ki Sung

SickKids Hospital & University of Toronto

Jacqueline Beaudry

University of Toronto

Lawrence Kazak

McGill University

Our Speakers

Bruce Spiegelman

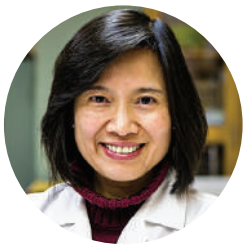
Harvard University, Boston, USA

Dr. Bruce Spiegelman is a Professor at the Dana-Farber Cancer Institute in Harvard University. The Spiegelman lab focuses on the molecular mechanisms of energy balance and tissue development, with the objective of finding key players to combat disorders associated with metabolic dysfunction, including obesity, diabetes and neuromuscular disorders.

Mitchell Lazar

University of Pennsylvania, Philadelphia, USA

Dr. Mitchell Lazar is a Professor of Diabetes and Metabolic Diseases, and the Director of the Institute for Diabetes, Obesity and Metabolism at the University of Pennsylvania. The Lazar lab investigates how transcriptional regulation affects metabolism, with an emphasis on circadian and metabolic physiology and the role played by nuclear receptors.



Yu-Hua Tseng

Harvard University, Boston, USA

Dr. Yu-Hua Tseng is a Senior Investigator at the Joslin Diabetes Center and an Associate Professor at Harvard Medical School. The Tseng lab explores the molecular mechanisms of brown and beige adipose tissue function, thermogenesis, and energy metabolism, aiming to develop innovative treatments for metabolic disorders.

Li Ye

Scripps Research, San Diego, USA

Li Ye is a Professor and Chair of Chemistry and Chemical Biology in the Department of Neuroscience at the Scripps Research Institute. The Ye lab studies how the brain adapts to acute and chronic metabolic changes and its impact on whole-body metabolism, with the aim of uncovering the mechanisms behind metabolic and neurodegenerative diseases.

Joseph Bass

Northwestern, Evanston, USA

Dr. Joseph Bass is a Professor in the Department of Medicine at Feinberg School of Medicine and Chief of the Division of Endocrinology at Northwestern University. The Bass lab studies how the circadian clock controls cell and organismal metabolism, with the goal of elucidating the relationship amongst brain, behavior, and physiology.

Our Speakers

Rana Gupta

Duke University, Durham, USA

Dr. Rana Gupta is a Professor in the Department of Medicine and Section Chair of Basic Sciences at the Duke Molecular Physiology Institute. The Gupta lab focuses on understanding the mechanisms that establish and maintain adipocyte cell lineage, and the regulator involved in the obesity-driven expansion of adipose tissue.

David Guertin

University of Massachusetts, Boston, USA

Dr. David Guertin is a Professor in the Department of Molecular Medicine at the University of Massachusetts. The Guertin lab investigates the interplay between signal transduction pathways and metabolic machinery with a focus on insulin and mTOR pathways, and the nutrient sensing ability of brown and white adipose tissue.

Paul Cohen

Rockefeller University, New York, USA

Dr. Paul Cohen a Professor and Senior Attending Physician at Rockefeller University. The Cohen lab explores the transcriptional basis of harmful and protective effects of different fat deposits, using innovative imaging techniques and data-mining studies to uncover the health benefits of brown and beige adipocytes.

Evan Rosen

Harvard University, Boston, USA

Dr. Evan Rosen is a Professor in the Department of Medicine at Harvard University. The Rosen lab studies the transcriptional pathways behind metabolic diseases such as obesity and type 2 diabetes. Specifically, the Rosen lab explores the transcription factors and pathways that regulate adipogenesis, insulin resistance and metabolic memory.

Kristy Townsend

Ohio University, Athens, USA

Dr. Kristy Townsend is an Associate Professor at Ohio State University's Wexner Medical Center, specializing in neurobiology and energy balance. The Townsend lab studies neural plasticity, brain-adipose communication, and neurovascular supply of adipose tissues, extending our understanding of adipose nerve anatomy and function.

Our Speakers

Lori Zeltser

Columbia University, New York, USA

Dr. Lori Zelter is an Associate Professor of Pathology and Cell Biology at Columbia University. The Zeltser lab focuses on elucidating how environmental and genetic factors influence the development of obesity, with a particular interest in how these factors affect hypothalamic function during critical periods of development.

André Carpentier

University of Sherbrooke, Sherbrooke, Canada

Dr. Andre Carpentier is a Professor and Clinician Researcher in the Department of Medicine at the University of Sherbrooke. The Carpentier lab studies the role of brown adipose tissue in the regulation of glucose and lipid metabolism, aiming to develop new treatments for obesity and type 2 diabetes.

Gareth Lim

Université de Montréal, Montreal, Canada

Dr. Gareth Lim is an Assistant Professor in the Department of Medicine at the University of Montreal and a Researcher at the Montreal Diabetes Research Center. The Lim lab investigates the complex mechanisms that regulate adipocyte biology and metabolic homeostasis, to identify novel therapeutic targets for obesity and type 2 diabetes.

André Marette

Laval University, Quebec, Canada

Dr. André Marette is a Professor in the Department of Medicine at the University of Laval. The Marette lab focuses on the mechanisms of action of insulin on glucose and lipid metabolism in muscle, adipose tissue and liver. Moreover, the lab aims to identify the mediators of insulin resistance in pro-inflammatory disorders such as obesity and diabetes.

Carolyn Cummins

University of Toronto, Toronto, Canada

Dr. Carolyn Cummins an Associate Professor and Director of the Department of Pharmaceutical Sciences at the University of Toronto. The Cummins lab investigates nuclear receptors and their role in the development of diabetes and obesity, with the goal of identifying potential therapeutic targets in disease pathways.

Our Speakers

Jae-Bum Kim

Seoul National University, Seoul, South Korea

Dr. Jae-Bum Kim is a Professor in the Department of Biological Sciences at Seoul National University. The Kim lab focuses on the integrated control of fat and glucose metabolism in metabolic tissues such as adipose tissue and kidney, with the aim of uncovering the mechanisms underlying energy metabolism homeostasis and metabolic diseases.

Jae Myoung Suh

Korea Advanced Institute of Science & Technology, Daejeon, South Korea

Dr. Jae Myoung Suh is an Assistant Professor at the Graduate School of Medical Science and Engineering of the Korea Advanced Institute of Science & Technology.
The Suh lab studies the regulation and execution of metabolism, focusing on adipose, muscle, brain, and exocrine gland functions in health and disease.

Camilla Schéele

University of Copenhagen, Copenhagen, Denmark

Dr. Camilla Scheele is a Senior Researcher and group leader in the Biotech Research and Innovation Centre at the University of Copenhagen. The Scheele lab investigates the role of different types of fat cells in health and disease, to aid in the development of new therapeutic strategies for combating obesity and metabolic disorders.

Zachary Gerhart-Hines

University of Copenhagen, Copenhagen, Denmark

Dr. Zachary Gerhart-Hines is an Associate Professor at the Novo Nordisk Foundation Center for Basic Metabolic Research in the University of Copenhagen. The Gerhart-Hines lab explores how external signalling converges on adipocytes to shape adipose tissue and coordinate energy metabolism.

Mikael Rydén

Karolinska Institute, Solna, Sweden

Dr. Mikael Ryden is a Professor in the Department of Medicine at Karolinska Institute.
The Ryden lab focuses on characterizing the features of human white adipocytes, including lipid and carbohydrate metabolism, energy storage capacity and immunometabolism. This research applies cell and molecular biotechnologies in addition to clinical studies.

Thank you to our PARTNER