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Conference Program [Print](#) | [View meeting in 12 hr \(am/pm\) time](#)

TUESDAY, FEBRUARY 19

15:00–19:30	Registration	Van Horne Ballroom Foyer
18:30–19:30	Refreshments	Van Horne Ballroom Foyer
19:30–21:30	Keynote Session (Joint) Meeting has ended...abstracts no longer viewable online. * Michael W. Schwartz , University of Washington, USA and * Ormond A. MacDougald , University of Michigan, USA <i>Opening Remarks</i> Charles S. Zuker , HHMI, Columbia University, USA <i>The Emerging Biology of Taste Perception</i> Gary B. Ruvkun , Massachusetts General Hospital, Harvard Medical School, USA <i>Genome Screens for Fat Storage Genes in C. elegans</i>	Van Horne Ballroom

WEDNESDAY, FEBRUARY 20

07:00–08:00	Breakfast	New Brunswick, Alberta, Cascade
08:00–11:15	Interactions between Brain and Periphery I (Joint) Meeting has ended...abstracts no longer viewable online. * Stephen O'Rahilly , University of Cambridge, UK Masato Kasuga , National Center for Global Health and Medicine, Japan <i>Role of IL-6/STAT3 in Insulin Action</i> Bruce M. Spiegelman , Harvard Medical School, USA <i>Transcriptional Control of Brown Fat Determination by PRDM16: A Co-Regulator of the PGC-1s and Nuclear Receptors</i> Nadine Cybulski , Biozentrum, University of Basel, Switzerland and Pazit Polak , Biozentrum, University of Basel, Switzerland <i>Short Talk: mTOR Signaling in Adipose Tissue Controls Body Metabolism</i> Jeffrey M. Friedman , Rockefeller University, USA <i>Neuronal Integration of Humoral Signals Controlling Energy Balance</i> Morris F. White , Boston Children's Hospital, Harvard Medical School, USA <i>IRS Proteins, Metabolism and Longevity</i> Su Gao , , USA <i>Short Talk: The Role of Malonyl-CoA and Long-chain Fatty Acyl-CoA in Mediating Leptin's Anorectic Signaling in Specific Hypothalamic Nuclei</i>	Van Horne Ballroom
09:20–09:40	Coffee Break	Van Horne Ballroom Foyer
11:15–13:00	Poster Setup	New Brunswick, Alberta, Cascade
11:15	On Own for Lunch	
13:00–22:00	Poster Viewing	New Brunswick, Alberta, Cascade

Following Session is for [Neuronal Mechanisms Controlling Food Intake, Glucose Metabolism and Body Weight \(X4\)](#)

14:30–16:30	Hot Topics Workshop: CNS Control of Lipids and New Insights into Hindbrain Regulation of Energy Balance
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Claudia Pascalle Coomans, Leiden University Medical Center, Netherlands
Brain Insulin Promotes Fat Storage in White Adipose Tissue

John M. Stafford, Vanderbilt University, USA
CNS Neuropeptide Y Signaling Modulates VLDL-TG Production

Roger Gutiérrez-Juárez, Albert Einstein College Of Medicine, USA
The Hypothalamic Sensing of Leucine Regulates Plasma Triglycerides

Allyn L. Mark, University of Iowa, USA
Leptin Signaling in the Nucleus Tractus Solitarius Increases Sympathetic Outflow to the Kidney

Qi Wu, Baylor College of Medicine, USA
Starvation after AgRP-neuron Ablation Is Mediated By the Hindbrain and is Independent of Melanocortin Signaling

* **Hans Rudolf Berthoud**, Pennington Biomedical Research Center, USA
Brainstem melanocortin Signaling in the Control of Food Intake and Energy Balance

16:30–17:00

Coffee Available

[Van Horne Ballroom Foyer](#)

17:00–19:00

Lower Organisms as Models of Lipid Homeostasis

Meeting has ended...abstracts no longer viewable online.

[Van Horne Ballroom AB](#)

* **Evan D. Rosen**, Harvard University, USA

Jonathan M. Graff, University of Texas Southwestern Medical Center, USA
Hedgehog Signaling and Mesenchymal Cell Fate

Anders M. Näär, Harvard Medical School, USA
*SREBP and Lipid Metabolism in *C. elegans**

Kaveh Ashrafi, University of California, San Francisco, USA
*Energy Regulatory Circuits in *C. elegans**

Sean M. Oldham, Takeda Pharmaceuticals International Co., USA
Short Talk: Genetic Screen for Regulators of Obesity and Aging Identifies the Nutrient Sensing TOR Pathway

Following Session is for [Neuronal Mechanisms Controlling Food Intake, Glucose Metabolism and Body Weight \(X4\)](#)

17:00–19:00

Hypothalamic Integration of Adiposity Signals: Arcuate Nucleus

Meeting has ended...abstracts no longer viewable online.

[Van Horne Ballroom C](#)

* **Martin G. Myers, Jr.**, University of Michigan, USA

Gregory S. Barsh, Stanford University Medical Center, USA
Stat3 and PI3K Signaling in Arcuate Nucleus Neurons

Randy J. Seeley, University of Michigan, USA
Actions of GLP-1 in the CNS to Regulate Glucose Homeostasis and Food Intake

Jens C. Brüning, Max Planck Institute for Metabolism Research, Germany
Hypothalamic Integration of Hormonal Inputs

Sabrina Diano, Yale University School of Medicine, USA
Short Talk: Mitochondrial Uncoupling Protein-2 (UCP2) Mediates Ghrelin's Action on Arcuate Nucleus NPY/AgRP Neurons

19:00–20:00

Social Hour with Lite Bites

[New Brunswick, Alberta, Cascade](#)

19:30–22:00

Poster Session 1

[New Brunswick, Alberta, Cascade](#)

THURSDAY, FEBRUARY 21

07:00–08:00

Breakfast

[New Brunswick, Alberta, Cascade](#)

07:00–08:00	Poster Setup	New Brunswick, Alberta, Cascade
08:00–11:15	Novel Transcriptional Pathways in Adipogenesis Meeting has ended...abstracts no longer viewable online. * Ormond A. MacDougald , University of Michigan, USA Evan D. Rosen , Harvard University, USA <i>Beyond PPARgamma: Searching for Novel Transcriptional Pathways in Adipogenesis</i> Karsten Kristiansen , University of Copenhagen, Denmark <i>The Tumor Suppressors pRB and p53 as Regulators of Adipocyte Differentiation and Function</i> Jacqueline M. Stephens , Louisiana State University, USA <i>Short Talk: STAT5A is Adipogenic in vivo and Plays an Important Role in the Regulation of Lipid Metabolism and Insulin Resistance in Adipocytes</i> Stephen R. Farmer , Boston University School of Medicine, USA <i>Role of SIRT1 in Regulating PPARγ Activity during the Formation and Function of Adipocytes</i> Mitchell A. Lazar , Perelman School of Medicine, University of Pennsylvania, USA <i>Novel Mechanisms Regulating Adipogenesis</i> Deborah Clegg , Cedars-Sinai Medical Center, USA <i>Short Talk: Sexual Dimorphism of Adipose Tissues</i>	Van Horne Ballroom AB
Following Session is for Neuronal Mechanisms Controlling Food Intake, Glucose Metabolism and Body Weight (X4)		
08:00–11:15	Energy Balance: Beyond the Arcuate Nucleus Meeting has ended...abstracts no longer viewable online. * Michael W. Schwartz , University of Washington, USA Joel K. Elmquist , University of Texas Southwestern Medical Center, USA <i>Direct CNS Targets of Leptin, Insulin, and Serotonin that Underlie Coordinated Body Weight and Glucose Homeostasis</i> Martin G. Myers, Jr. , University of Michigan, USA <i>Molecular and Neural Mechanisms of Leptin Action</i> Harvey J. Grill , University of Pennsylvania, USA <i>Explaining the Intake Inhibition of Leptin: Amplification of the Satiating Effects of Gastrointestinal Signals in NTS Neurons</i> Diana L. Williams , Florida State University, USA <i>Integration of Adiposity- and Satiety-Related Signals</i> Michael Rosenbaum , Columbia University Medical College, USA <i>Short Talk: Effects of Weight Loss and Leptin on In vivo Regional Neuronal Responses to Visual Food Stimuli</i> William F. Colmers , University of Alberta, Canada <i>Short Talk: Developmental Switch in Neuropeptide Y and Melanocortin Effects in the Paraventricular Nucleus of the Hypothalamus</i>	Van Horne Ballroom C
09:20–09:40	Coffee Break	Van Horne Ballroom Foyer
11:15–12:00	Lunch	New Brunswick, Alberta, Cascade
12:00–14:30	Poster Session 2	New Brunswick, Alberta, Cascade
14:30–16:30	Workshop 1: Hot Topics Robert A. Koza , Maine Medical Center Research Institute, USA <i>Evaluation of Mesoderm Specific Transcript as an Epigenetic Target for Diet-Induced Obesity in Mice</i> * Jacob E. Friedmant , University of Oklahoma Health Sciences Center, USA Christoph Buettner , Mount Sinai School of Medicine, USA <i>Leptin Controls Adipose Tissue Endocannabinoid Levels and Lipogenesis through Hypothalamic Pathways that are</i>	Van Horne Ballroom AB

Independent of STAT3 Signaling

Alexander S. Banks, Harvard Medical School, USA
Energy Conservation Phenotypes in SirT1 Gain-of-Function Mice

Yasunori Aizawa, Tokyo Institute of Technology, Japan
Noncoding "Long" RNAs in the Signaling Networks behind hMSC Differentiation

Philippe Boucher, University of Strasbourg, France
Control of Adipogenesis and Fatty Acid Metabolism by LRP1

Annette Schürmann, German Institute of Human Nutrition
Potsdam-Rehbruecke, Germany
Adipose-Specific Deletion of the Ras-homologous GTPase Arfp1 Leads to Suppression of Triglyceride Storage

Bradley K. Yoder, University of Alabama at Birmingham, USA
Ciliary Dysfunction and Altered Energy Homeostasis

16:30–17:00

Coffee Available

[Van Horne Ballroom Foyer](#)

17:00–19:00

Adipocytes and Inflammation

Meeting has ended...abstracts no longer viewable online.

[Van Horne Ballroom AB](#)

* Karen Reue, University of California, Los Angeles, USA

Philipp E. Scherer, University of Texas Southwestern Medical Center, USA
Adipose Tissue and Acute Phase Response

Steven E. Shoelson, Harvard Medical School, Joslin Diabetes Center, USA
Metabolic Benefits of Interventions Targeting Proinflammatory Pathways

Haiming Cao, NHLBI, National Institutes of Health, USA

Jun Wada, Okayama University Graduate School of Medicine, Japan
Short Talk: Effects of Vaspin on Inflammatory and Metabolic Responses in Obesity

Following Session is for [Neuronal Mechanisms Controlling Food Intake, Glucose Metabolism and Body Weight \(X4\)](#)

17:00–19:00

Regulation of Energy Homeostasis Circuitry

Meeting has ended...abstracts no longer viewable online.

[Van Horne Ballroom C](#)

* Joel K. Elmquist, University of Texas Southwestern Medical Center, USA

Michael L.J. Ashford, University of Dundee, UK
Leptin Signaling Mechanisms in Arcuate Nucleus Neurons

Leona Plum, Columbia University Medical Center, USA
Hypothalamic Function of FoxO Proteins

Tamas L. Horvath, Yale School of Medicine, USA
Synaptic Plasticity of Hypothalamic Circuits Controlling Energy Balance

Qingchun Tong, University of Texas Medical School, USA
Short Talk: Roles of GABA Release from AgRP Neurons

19:00

On Own for Dinner

FRIDAY, FEBRUARY 22

07:00–08:00

Breakfast

[New Brunswick, Alberta, Cascade](#)

08:00–11:30

Adipocytes from the Inside Out

Meeting has ended...abstracts no longer viewable online.

[Van Horne Ballroom AB](#)

* Stephen R. Farmer, Boston University School of Medicine, USA

Dawn L. Brasaemle, Rutgers University, USA
Molecular Aspects of Lipid Droplet Biology

Karen Reue, University of California, Los Angeles, USA
The Lipin Protein Family: Roles in Adipogenesis and Triglyceride

Biosynthesis

Tae-Hwa Chun, University of Michigan, USA
Short Talk: Pericellular Collagenolysis as a Rheostat of Obesity Progression

Jorge Plutzky, Brigham and Women's Hospital, USA
Retinoid Metabolism in Energy Balance

Joel M. Goodman, University of Texas Southwestern Medical School, USA
Lipid Droplet Assembly and Communication in Yeast

Carole Sztalryd, VAH and University of Maryland School of Medicine, USA
Short Talk: Interaction between Lipases and Lipid Droplet Coat Proteins

Following Session is for [Neuronal Mechanisms Controlling Food Intake, Glucose Metabolism and Body Weight \(X4\)](#)

08:00–11:15

Food Hedonics: Engaging the Limbic Circuitry

Meeting has ended...abstracts no longer viewable online.

[Van Horne Ballroom C](#)

* **Dianne Figlewicz Lattemann**, VA Puget Sound Health Care System, USA

Gary Aston-Jones, Medical University of South Carolina, USA
Role of Orexin Neurons in Conditioned Reward-Seeking and Addiction: Implications for Obesity

Gorica D. Petrovich, Boston College, USA
Learned Cue-Induced Eating: A Forebrain-Hypothalamic Network

Dianne Figlewicz Lattemann, VA Puget Sound Health Care System, USA
Regulation of Food Reward by Adiposity Signals

Jeffrey W. Grimm, Western Washington University, USA
Incubation of Sucrose Craving

Brian J. Oldfield, Monash University, Australia
Short Talk: A More Complete View of the Interaction between Homeostatic, Hedonistic and Cognitive Pathways Mediating Appetite

Jeffrey M. Zigman, University of Texas Southwestern Medical Center, USA
Short Talk: The Orexigenic Hormone Ghrelin Defends Against Depressive Symptoms of Chronic Stress

09:20–09:40

Coffee Break

[Van Horne Ballroom Foyer](#)

11:30–13:00

Poster Setup

[New Brunswick, Alberta, Cascade](#)

11:30

On Own for Lunch

13:00–22:00

Poster Viewing

[New Brunswick, Alberta, Cascade](#)

14:30–16:30

Workshop 2: Molecular Targets and New Therapeutics

[Van Horne Ballroom](#)

* **Donald A. McClain**, University of Utah School of Medicine, USA

Alain Baron, Elcelyx Thereapeutics Inc., USA
Integrated Neurohormonal Therapy of Obesity

Cristina M. Rondinone, MedImmune, Inc., USA
RNA Interference: Novel Targets, Unique siRNA Drugs to Treat Metabolic Disorders?

Tara B. Manion, Pfizer Inc, USA
Integration of Gut Hormones, Metabolism and Food Intake

Anne Reifel Miller, Lilly Research Laboratories, USA
The Unexpected Complexity of the AdipoR2-Deficient Mouse Phenotype

Bei B. Zhang, Pfizer Inc., USA
Targeting AMPK Activation for the Treatment of Diabetes and Related Metabolic Disorders

Brad Geddes, Elixir Pharmaceuticals, Inc., USA
Improved Insulin Sensitivity in Ghrelin Receptor Knockout Mice Assessed by Glycemic Clamp Analyses

16:30–17:00

Coffee Available

[Van Horne Ballroom](#)
[Foyer](#)

17:00–19:00

Interactions between Brain and Periphery II (Joint)

Meeting has ended...abstracts no longer viewable online.

[Van Horne Ballroom](#)

Barry E. Levin, VA Medical Center, USA
Hypothalamic Integration of Nutrient-Related and Hormonal Inputs Controlling Energy Balance

* Barbara B. Kahn, Beth Israel Deaconess Medical Center,
Harvard Medical School, USA
CNS Regulation of Energy Balance and Glucose Metabolism

Timothy J. Bartness, Georgia State University, USA
Neural Connections between Brain and Adipose Tissue

Liangyou Rui, University of Michigan, USA
Short Talk: Identification of Neuronal SH2B1 as a Key Regulator of Energy Balance and Body Weight

19:00–20:00

Social Hour with Lite Bites

[New Brunswick,](#)
[Alberta, Cascade](#)

19:30–22:00

Poster Session 3

[New Brunswick,](#)
[Alberta, Cascade](#)

SATURDAY, FEBRUARY 23

07:00–08:00

Breakfast

[New Brunswick,](#)
[Alberta, Cascade](#)

08:00–11:15

Adipocyte Plasticity and Fate Choices

Meeting has ended...abstracts no longer viewable online.

[Van Horne Ballroom AB](#)

* Dawn L. Brasaemle, Rutgers University, USA

Ormond A. MacDougald, University of Michigan, USA
Regulation of Adipocyte Differentiation and Metabolism

Sven Enerbäck, University of Gothenburg, Sweden
FOX Transcription Factors in White and Brown Adipose Tissue

Jan Nedergaard, Stockholm University, Sweden
Short Talk: UCP1 Ablation Induces Obesity and Obliterates Diet-Induced Adrenergic Thermogenesis

Sheila Collins, Vanderbilt University Medical Center, USA
Kinases and Their Transcription Targets in Adipocyte Cell Fate

Dwight J. Klemm, University of Colorado Denver Anschutz Medical Center, USA
Bone Marrow-Derived Progenitor Cells Give Rise to a Unique Adipocyte Population in Adipose Tissue

Barbara Cannon, Stockholm University, Sweden
Short Talk: A Myogenic Gene Expression Signature Establishes that Brown and White Adipocytes Originate from Distinct Cell Lineages

Following Session is for [Neuronal Mechanisms Controlling Food Intake, Glucose Metabolism and Body Weight \(X4\)](#)

08:00–11:15

Emerging Aspects of Energy Homeostasis Biology

Meeting has ended...abstracts no longer viewable online.

[Van Horne Ballroom C](#)

* David E. Cummings, University of Washington, USA

Gary J. Schwartz, Albert Einstein College of Medicine, USA
Distributed Neural Nutrient Sensing in the Control of Energy Homeostasis

Marilyn Ader, Cedars-Sinai Medical Center, USA
Effect of Antipsychotic Medications on the Risk of Obesity and Diabetes

Robert V. Farese Jr., Harvard School of Public Health, USA
Mechanisms of Cellular Lipid Storage

Robert F. Margolskee, Monell Chemical Senses Center, USA
Beyond Taste: The Roles of Taste Receptors and Gustducin in Gastrointestinal Chemosensation

Heike Münzberg, Pennington Biomedical Research Center, USA
Short Talk: LepRb Neurons in the DMH as Potential Integrators of Homeostatic Control

Ted D. Hoyda, Queen's University, Canada
Short Talk: The Electrophysiological Actions of Adiponectin in the Paraventricular Nucleus of the Hypothalamus

09:20–09:40	Coffee Break	Van Horne Ballroom Foyer
11:15	On Own for Lunch	
16:30–17:00	Coffee Available	Van Horne Ballroom Foyer
17:00–19:00	Genetics of Obesity and Diabetes (Joint) Meeting has ended...abstracts no longer viewable online.	Van Horne Ballroom
	* Daniel Porte Jr. , University of California, San Diego, USA Rudolph L. Leibel , Columbia University, USA <i>Genetic Modifiers of Obesity/Diabetes in Mice and Humans</i> Stephen O'Rahilly , University of Cambridge, UK <i>Lessons from Human Phenotypes of Obesity and Insulin Resistance</i> Joel N. Hirschhorn , Children's Hospital, Boston, USA <i>Genomewide Association Studies of Type 2 Diabetes, Obesity and Stature</i> David A. Buchner , Case Western Reserve University, USA <i>Short Talk: The Genetic Architecture of Diet-Induced Obesity</i>	
19:00–20:00	Social Hour with Lite Bites	New Brunswick, Alberta, Cascade
20:00–23:00	Entertainment	New Brunswick, Alberta, Cascade

SUNDAY, FEBRUARY 24

Departure

*Session Chair †Invited, not yet responded.

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