

Functional Neurocircuitry of Feeding and Feeding Disorders (J8)

joint with the meeting on [Obesity and Adipose Tissue Biology \(J7\)](#)

Scientific Organizers: Roger D. Cone, Lori M. Zeltser and Matthew R. Hayes

February 10–14, 2019

Fairmont Banff Springs, Banff, Alberta, Canada

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Registered attendees of one meeting in a joint pair may participate in sessions of the other, pending space availability.

Organizer Interview: Roger Cone,...



DEADLINES:

*All deadlines end at 11:59 PM US Mountain Standard Time

Scholarship Deadline: Oct 23, 2018 [\[details\]](#)

Discounted Abstract Deadline: Oct 23, 2018 [\[details\]](#)

Abstract Deadline: Nov 8, 2018 [\[details\]](#)

Discounted Registration Deadline: Dec 11, 2018 [\[details\]](#)

[Click here to view Cancellation Policy](#)

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

The meeting will begin on Sunday, February 10 with registration from 16:00 to 20:00 and a welcome mixer from 18:00 to 20:00. Conference events conclude on Thursday, February 14 with a closing plenary session from 17:00 to 19:00, followed by a social hour and entertainment. We recommend return travel on Friday, February 15 in order to fully experience the meeting.

SUNDAY, FEBRUARY 10

16:00–20:00	Arrival and Registration	Van Horne Foyer
18:00–20:00	Welcome Mixer	Van Horne Foyer
No registration fees are used to fund alcohol served at this function.		

MONDAY, FEBRUARY 11

07:00–08:00	Breakfast	Mezzanine 2
08:00–09:00	Welcome and Keynote Address	Van Horne C
Registered attendees can view abstracts starting on 01/10/2019		
Richard D. Palmiter, HHMI/University of Washington, USA Neural Circuitry Underlying Feeding Behavior		

Following Session is for [Obesity and Adipose Tissue Biology \(J7\)](#).

08:00–09:00

Welcome and Keynote Address[Registered attendees](#) can view abstracts starting on 01/10/2019[Van Horne A/B](#)

Stanley Uljaszek, Institute of Social and Cultural Anthropology,
University of Oxford, UK
Framing Obesity as a Problem

09:00–12:00

Neural Circuitry Underlying Feeding Behavior[Van Horne C](#)[Registered attendees](#) can view abstracts starting on 01/10/2019

Linda Rinaman, Florida State University, USA
Neural Circuits Linking Stress and Feeding

Coffee Break

J. Nicholas Betley, University of Pennsylvania, USA
Circuits Regulating Nutritive Control of Feeding

Matthew R. Hayes, University of Pennsylvania, USA
Role of GLP-1 Signaling

Short Talk(s) Chosen from AbstractsFollowing Session is for [Obesity and Adipose Tissue Biology \(J7\)](#).

09:00–12:00

Drug Discovery/Development in Obesity[Registered attendees](#) can view abstracts starting on 01/10/2019[Van Horne A/B](#)

Matthias H. Tschöp, Helmholtz Zentrum München and
Technische Universität München, Germany
Chemical Biotechnology Applied to Metabolic Diseases

Coffee Break

Nana Gletsu-Miller, Purdue University, USA
Treatment or Cure of Obesity by Surgery?

Alan R. Saltiel, University of California, San Diego, USA
Inflammation at the Crossroads of Obesity and Energy Homeostasis

Short Talk(s) Chosen from Abstracts

12:00–17:00

On Own for Lunch

12:00–13:00

Poster Setup[Mezzanine 2](#)

13:00–22:00

Poster Viewing[Mezzanine 2](#)

14:30–16:30

Workshop 1: Research Opportunities in Eating Disorders[Van Horne C](#)Following Session is for [Obesity and Adipose Tissue Biology \(J7\)](#).

14:30–16:30

Workshop 1: Targeting Brown Adipose Tissue for Obesity Treatment

16:30–17:00

Coffee Available[Van Horne Foyer](#)

17:00–19:00

Genetic Disorders of Feeding and Energy Storage[Van Horne C](#)[Registered attendees](#) can view abstracts starting on 01/10/2019

I. Sadaf Farooqi, University of Cambridge, UK
Genetics of Leanness

Herbert Herzog, Garvan Institute, Australia
Prader-Willi Syndrome

Atul Chopra, Case Western Reserve University, USA
Human Genetics Aided Discovery of a New Metabolic Hormone

Short Talk(s) Chosen from Abstracts

Following Session is for [Obesity and Adipose Tissue Biology \(J7\)](#).

17:00–19:00

Brown/Beige/BRITE Fat Activation and Function[Registered attendees](#) can view abstracts starting on 01/10/2019[Van Horne A/B](#)

C. Ronald Kahn, Joslin Diabetes Center and Harvard Medical School, USA
Adipose Tissue MicroRNAs as Novel Adipokines in Regulation of Metabolism

Camilla Charlotte Schéele, University of Copenhagen, Denmark
The plasticity of human brown adipose tissue

Kirsi A. Virtanen, Turku University Hospital and University of Turku, Finland
BAT - A Target of Future Weight Loss Strategies

Short Talk(s) Chosen from Abstracts

19:00–20:00

Social Hour with Lite Bites

No registration fees are used to fund alcohol served at this function.

[Mezzanine 2](#)

19:30–22:00

Poster Session 1[Mezzanine 2](#)**TUESDAY, FEBRUARY 12**

07:00–08:00

Breakfast[Mezzanine 2](#)

08:00–11:00

Anorexia Nervosa[Registered attendees](#) can view abstracts starting on 01/10/2019[Van Horne C](#)

Janet Treasure, King's College London, UK
Understanding and treating Anorexia Nervosa

Walter Kaye, UC San Diego Health, USA
Are Eating Disorders Really Disorders of Eating?

Coffee Break

Patrick Sullivan†, University of North Carolina, USA
Genetics of Anorexia Nervosa

Lori M. Zeltser, Columbia University, USA
Identifying Novel Therapeutic Targets For Anorexia Nervosa

Short Talk(s) Chosen from Abstracts

Following Session is for [Obesity and Adipose Tissue Biology \(J7\)](#).

08:00–11:00

Adipose Tissue and Immune Cells[Registered attendees](#) can view abstracts starting on 01/10/2019[Van Horne A/B](#)

Anne Bouloumié, INSERM, France
The Adipose Tissue Immune Cells, Beyond Inflammation

Ruth E. Gimeno, Eli Lilly & Company, USA
New Therapeutic Approaches to Weight Loss and Glucose Control

Coffee Break

Tim Julius Schulz, German Institute of Human Nutrition, Germany
Deciphering the Adipocytic Lineage: Stem Cell Biology and Regeneration

Short Talk(s) Chosen from Abstracts

11:00–17:00

On Own for Lunch

11:00–13:00

Poster Setup[Mezzanine 2](#)

13:00–22:00	Poster Viewing	Mezzanine 2
16:30–17:00	Coffee Available	Van Horne Foyer
17:00–19:00	Neural Circuits Underlying Nausea, Emesis, and Aversive Responses	Van Horne C
	Registered attendees can view abstracts starting on 01/10/2019	
	Bart C. De Jonghe , University of Pennsylvania, USA <i>Neurocircuitry of Nausea in Chemotherapy</i>	
	Samuel N. Breit , St. Vincents Hospital, Australia <i>The Role of the GDF15 in Pathway in Control of Appetite and Energy Homeostasis</i>	
	Zachary Knight , University of California, San Francisco, USA <i>The Neurobiology of Hunger</i>	
	Short Talk(s) Chosen from Abstracts	

Following Session is for [Obesity and Adipose Tissue Biology_\(J7\)](#).

17:00–19:00	Adipose Tissue Heterogeneity	
	Registered attendees can view abstracts starting on 01/10/2019	
	Philipp E. Scherer , University of Texas Southwestern Medical Center, USA <i>Mechanisms of Adipose Tissue Dysfunction in Obesity</i>	
	David B. Savage , University of Cambridge, UK <i>A Lipodystrophic Perspective on Insulin Resistance</i>	
	Ellen E. Blaak , Maastricht University, Netherlands <i>Sex differences in adipose tissue metabolism and tissue-specific insulin resistance</i>	
	Mikael Rydén , Karolinska Institutet, Sweden <i>Adipocyte Function and Development in Subcutaneous and Visceral Fat Depots</i>	
	Short Talk(s) Chosen from Abstracts	
19:00–20:00	Social Hour with Lite Bites	Mezzanine 2
	No registration fees are used to fund alcohol served at this function.	
19:30–22:00	Poster Session 2	Mezzanine 2

WEDNESDAY, FEBRUARY 13

07:00–08:00	Breakfast	Mezzanine 2
08:00–11:00	Telencephalic Control of Feeding Behavior	Van Horne C
	Registered attendees can view abstracts starting on 01/10/2019	
	Benjamin R. Arenkiel , Baylor College of Medicine, USA <i>Forebrain Circuits Regulating Appetite Suppression</i>	
	Scott E. Kanoski , University of Southern California, USA <i>Hippocampal control of feeding behavior</i>	
	Coffee Break	
	Mark L. Andermann , Beth Israel Deaconess Medical Center, USA <i>State-Specific Gating of Motivationally Salient Cues by Midbrain Dopaminergic Inputs to Basal Amygdala</i>	
	Ivan E. de Araujo , Icahn School of Medicine at Mount Sinai, USA <i>Vagal Control of Brain Reward Systems</i>	
	Short Talk(s) Chosen from Abstracts	

Following Session is for [Obesity and Adipose Tissue Biology_\(J7\)](#).

08:00–11:00	Environment and Obesity	
	Registered attendees can view abstracts starting on 01/10/2019	

[Van Horne A/B](#)

J. Andrew Pospisilik, Van Andel Institute, USA
Epigenetic and Obesity

Nathalie Delzenne, Université Catholique de Louvain, Belgium
Dealing with the Gut Microbiota in Obesity

Coffee Break

Bruce A. Bunnell, Tulane University School of Medicine, USA
Endocrine Disruptors as a Cause of Obesity?

Kristen E. Boyle, University of Colorado School of Medicine, USA
Maternal Obesity and Offspring Adiposity: Clues from Umbilical Cord Mesenchymal Stem Cells

Short Talk(s) Chosen from Abstracts

11:00–17:00

On Own for Lunch

11:00–13:00

Poster Setup

[Mezzanine 2](#)

13:00–22:00

Poster Viewing

[Mezzanine 2](#)

Following Session is for [Obesity and Adipose Tissue Biology \(J7\)](#).

14:30–16:30

Workshop 2: Brown Adipocyte Glucose Metabolism: A Heated Subject

16:30–17:00

Coffee Available

[Van Horne Foyer](#)

17:00–19:00

Feeding Across the Lifespan

[Van Horne C](#)

[Registered attendees](#) can view abstracts starting on 01/10/2019

Sebastien G. Bouret, University of Southern California, USA
Regulatory Programs that Direct Development of Hypothalamic Circuits Regulating Food Intake

Kelly L. Klump, Michigan State University, USA
Developmental Differences in Neurobiological Risk Factors for Binge Eating across Adolescence: Evidence from Animal and Human Models

Susan Carnell, Johns Hopkins University, USA
Childhood Eating Behaviors

Short Talk(s) Chosen from Abstracts

Following Session is for [Obesity and Adipose Tissue Biology \(J7\)](#).

17:00–19:00

How Can We Translate Novel Discoveries into Obesity Treatment?

[Registered attendees](#) can view abstracts starting on 01/10/2019

[Van Horne A/B](#)

Kevin L. Grove, Novo Nordisk, USA
Anti-Obesity Drug Development: The Potential and the Challenges

Barbara B. Kahn, Beth Israel Deaconess Medical Center, Harvard Medical School, USA
Adipose Tissue Derived Lipokines

Max Nieuwdorp, Academic Medical Center, University of Amsterdam, Netherlands
The Gut Microbiome - Tool or Target for Obesity Treatment?

Short Talk(s) Chosen from Abstracts

19:00–20:00

Social Hour with Lite Bites

[Mezzanine 2](#)

No registration fees are used to fund alcohol served at this function.

19:30–22:00

Poster Session 3

[Mezzanine 2](#)

THURSDAY, FEBRUARY 14

07:00–08:00	Breakfast	Mezzanine 2
08:00–11:00	Disease Cachexia (Joint) Registered attendees can view abstracts starting on 01/10/2019 Stefan D. Anker , Universitätsmedizin Berlin, Germany <i>Cardiac Cachexia</i> Bruce M. Spiegelman , Harvard Medical School, USA <i>Cachexia and Brown Fat</i> Coffee Break Daniel L. Marks , Oregon Health & Science University, USA <i>Neural Circuitry Mediating Cachexia</i> Roger D. Cone , University of Michigan, USA <i>Mechanism of the Melanocortin-3 Receptor in the Suppression of Cachexia</i> Short Talk(s) Chosen from Abstracts	Van Horne Ballroom
11:00–17:00	On Own for Lunch	
14:30–16:30	Workshop 2: Late Breaking Topics from Abstracts Short Talks Chosen from Abstracts	Van Horne C
Following Session is for Obesity and Adipose Tissue Biology (J7) .		
14:30–16:30	Clinical Obesity Management - Round Table Discussion Matthias H. Tschöp , Helmholtz Zentrum München and Technische Universität München, Germany <i>Anti Obesity Drug Development</i> Matthias Blüher , University of Leipzig, Germany <i>New Emerging Treatment Tools</i> Short Talks Chosen from Abstracts	Van Horne A/B
16:30–17:00	Coffee Available	Van Horne Foyer
17:00–18:45	Drug Discovery for Eating Disorders Registered attendees can view abstracts starting on 01/10/2019 Peter Kuehnen , Charité - Universitätsmedizin Berlin, Germany <i>Treatment of Monogenic Eating Disorders</i> Shamina M. Rangwala , Janssen, Johnson & Johnson, USA <i>GFRAL/GDF-15</i> Xinle Wu , Eli Lilly and Company, China <i>GFRAL/GDF-15</i> Short Talk Chosen from Abstracts	Van Horne C
Following Session is for Obesity and Adipose Tissue Biology (J7) .		
17:00–18:45	Adipose Tissue Microenvironment Registered attendees can view abstracts starting on 01/10/2019 Christoph Buettner , Mount Sinai School of Medicine, USA <i>Adipose Tissue Adaptive Thermogenesis</i> Catherine C. Muller , Institut de Pharmacologie et de Biologie Structurale, France <i>Adipose Tissue and Cancer: A Dangerous Dynamic Duo</i> Steven E. Shoelson , Harvard Medical School, Joslin Diabetes Center, USA <i>Adipose Tissue Microenvironment as Target of New Emerging</i>	Van Horne A/B

Therapies

Short Talk Chosen from Abstracts

18:45–19:00 **Meeting Wrap-Up: Outcomes and Future Directions (Organizers)** [Van Horne C](#)
[Registered attendees](#) can view abstracts starting on 01/10/2019

Following Session is for [Obesity and Adipose Tissue Biology \(J7\)](#).

18:45–19:00 **Meeting Wrap-Up: Outcomes and Future Directions (Organizers)**
[Registered attendees](#) can view abstracts starting on 01/10/2019

[Van Horne A/B](#)

19:00–20:00 **Social Hour with Lite Bites** [Mezzanine 2](#)
 No registration fees are used to fund alcohol served at this function.

20:00–23:00 **Entertainment** [Mezzanine 2](#)
 Entertainment is not subsidized by conference registration fees nor any U.S. federal government grants. Funding for this expense is provided by other revenue sources.

FRIDAY, FEBRUARY 15

 Departure

*Session Chair †Invited, not yet responded.

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