

# Keystone Symposia: Neuronal Control of Appetite, Metabolism and Weight

(Joint with meeting on: Adipose Tissue Biology)

January 24–29, 2010 • Keystone Resort • Keystone, Colorado • USA

Scientific Organizers: Kevin L. Grove, Michael A. Cowley and Rexford S. Ahima

## PROGRAM FACULTY & TALKS

**Rexford S. Ahima**\* $\diamond$ , University of Pennsylvania, USA

*CNS Regulation of Peripheral Lipid Metabolism*

**Joseph Bass** $\diamond$ , Northwestern University, USA

*Clock and Per: Gene Network Controls on Metabolism/Adiposity*

**Hans-Rudolf Berthoud**, Pennington Biomedical Research Center, USA

*Brainstem Regulation of Energy Homeostasis*

**Etienne Challet** $\diamond$ , Institute for Integrative and Cellular Neuroscience, France

*Signals Entraining the SCN and Feeding: Multiple Clocks*

**Ajay Chawla** $\diamond$ , Stanford University Medical Center, USA

*Macrophage Activation and Diet Induced Obesity*

**Roger D. Cone**\* $\diamond$ , Vanderbilt University, USA

*Zebrafish: A Model System for Forward Genetic Analysis of Energy Homeostasis*

**Michael A. Cowley**\* $\diamond$ , Monash University, Australia

*Melanocortins and Glucose Homeostasis*

**Michael Culler** $\diamond$ , Ipsen/Biomeasure, USA

*Melanocortins and the Treatment of Obesity and Metabolic Disease*

**Eduardo Dunayevich** $\diamond$ , Orexigen Therapeutics, Inc., USA

*The Combination of Bupropion and Naltrexone in the Treatment of Obesity: From Bench to Pivotal Trials*

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

*Molecular Circuits in the Hypothalamus*

**I. Sadaf Farooqi**, University of Cambridge, UK

*Mutations of Hypothalamic Circuits in Mice and Humans*

**Alastair V. Ferguson**, Queen's University, Canada

*Sensory Circumventricular Organs: Integrative Control Centers Regulating Energy Balance?*

**Jeffrey M. Friedman**\* $\diamond$ , Rockefeller University, USA

*Leptin and the Links Among Metabolism, Physiology and Behavior*

**Kevin L. Grove**\*, Oregon National Primate Research Center, USA

**Lora K. Heisler**, University of Cambridge, UK

*Serotonin and the Melanocortin System*

**Tamas L. Horvath**, Yale University School of Medicine, USA

*Fuel Utilization by Neurons: A Determinant of "Nutrient Sensing"*

**Marta Korbonits**, Barts and The London, Queen Mary's School of Medicine and Dentistry, UK

*Cross-Talk of Endocannabinoids and Ghrelin*

**Karsten Kristiansen**\* $\diamond$ , University of Copenhagen, Denmark

**Mitchell A. Lazar**\* $\diamond$ , University of Pennsylvania School of Medicine, USA

*Rev-erb  $\alpha$  and NCoR: Transcriptional Rhythms and Metabolism*

**Daniel Lee Marks**\* $\diamond$ , Oregon Health & Science University, USA

*Cachexia and Wasting - Cytokine Actions in the Brain*

**Donald J. Marsh** $\diamond$ , Merck Research Laboratories, USA

*New Neuropeptide Target Systems*

**Julian Mercer** $\diamond$ , Rowett Research Institute, UK

*Hypothalamic Gene Expression across Diurnal Rhythms and Feeding Patterns*

**Paul O'Brien**, Monash University, Australia

*Appetite Control and Bariatric Surgery*

**Sean M. Oldham** $\dagger$  $\diamond$ , Burnham Institute for Medical Research, USA

*mTOR Pathway and Fat*

**Umut Ozcan** $\diamond$ , Children's Hospital Boston, Harvard Medical School, USA

*The ER Stress and Leptin Resistance*

**Michael Rosenbaum**, Columbia University Medical College, USA

*Leptin and Energy Homeostasis in Humans*

**Francesco Rubino**, Weill Cornell Medical College, USA

*Resolution of Diabetes and Bariatric Surgery*

**Randy J. Seeley**\* $\diamond$ , University of Cincinnati, USA

*Gastric Bypass and Gut Signals to the Brain*

**Steven E. Shoelson** $\diamond$ , Harvard Medical School, Joslin Diabetes Center, USA

*Obesity, Inflammation and Insulin Resistance (Basic and Clinical Issues)*

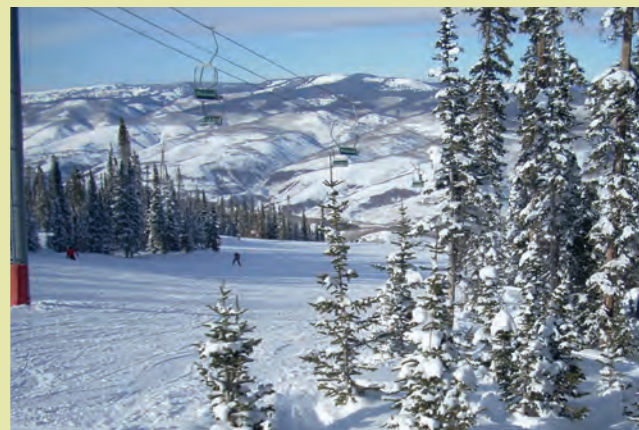
**Richard B. Simerly**, Children's Hospital Los Angeles, USA

*Perinatal Programming of Hypothalamic Connectivity*

**Heidi Tissenbaum** $\diamond$ , University of Massachusetts Medical School, USA

*C. elegans: Tubby/Tub-1, daf-16/FOXO Function, Aging*

\*Keynote speaker. \*Session chair.  $\diamond$ Joint speaker.  $\dagger$ Invited, not yet confirmed. Current as of Sep 15, 2009



The primary goal of this meeting is to provide the most cutting-edge research related to the central control of body weight homeostasis. For this meeting we have tried to create a balanced program with established and young investigators, as well as very basic up to clinical studies, including a session discussing the next-generation pharmaceuticals. We have made a special effort to balance for gender and minorities. While this program focuses on the central control of appetite and energy homeostasis, with several sessions commonly represented at this meeting, some new areas of focus include a session on developmental programming, immunology and inflammation, reward and atypical model organisms. Several of these sessions fit very well with the joint session on adipogenesis.

## PROGRAM PLENARY SESSIONS & WORKSHOPS:

- Circadian Control of Adiposity and Metabolism (Joint)
- Molecular Programming of Hypothalamic Circuitry
- Nutrient Sensing in the Brain
- Workshop 1 (Joint)
- Insights from Model Organisms (Joint)
- Immune Signals and Energy Homeostasis/Body Composition (Joint)
- Bariatric Surgery and the Treatment of Metabolic Disease
- Thinking Outside of the Hypothalamus
- Workshop 2: Sex Differences in Fat Metabolism: Roles in Brain Periphery (Joint)
- Drug Development: Treating the Brain and Beyond (Joint)

## DEADLINES:

Abstract & Scholarship: September 23, 2009

Late-Breaking Abstract: October 23, 2009

Early Registration: November 24, 2009

Registration Fee: US\$665 Early/US\$765 Regular

Student Discount: US\$440 Early/US\$540 Regular

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