



MEETING AGENDA

Integrated Control of Feeding and Energy Balance by Hypothalamic and Hindbrain Circuits

The Banbury Center, Cold Spring Harbor Laboratory, New York, USA
March 31-April 3, 2019

This meeting was funded by **Kallyope Inc.**, **MedImmune**, and **Rhythm Pharmaceuticals** with additional funding from the **Cold Spring Harbor Laboratory Corporate Sponsor Program**

Organizers:

Lora Heisler, University of Aberdeen
Martin Myers, University of Michigan

This Banbury meeting convened experts to critically review recent findings about the hypothalamic and hindbrain systems that control food intake, their integration, and the mechanisms by which these mediate aversive and non-aversive anorexia and set overall energy balance. In addition to identifying important questions and next steps in research, participants considered how systems that convey information about taste, illness, and other contextual information interact with these circuits to contribute to the acute and long-term control of food intake and body weight.

SUNDAY, MARCH 31

Afternoon Participant arrivals
6:00 pm Reception, dinner

MONDAY, APRIL 1

7:15 am Breakfast

8:30 am Welcoming and Introductory Remarks

Rebecca Leshan, The Banbury Center, Cold Spring Harbor Laboratory

Lora Heisler, University of Aberdeen, UK

Martin Myers, University of Michigan, Ann Arbor, USA



8:45 am SESSION 1: Overview and Vagus

Harvey Grill, University of Pennsylvania, Philadelphia, USA

Ivan de Araujo, Icahn School of Medicine at Mount Sinai, New York, USA

Suzanne Appleyard, Washington State University, Pullman, USA

Alberto Travagli, Pennsylvania State University, Hershey, USA

10:55 am SESSION 2: The Nucleus Tractus Solitarius

Robert Ritter, Washington State University, Pullman, USA

Stefan Trapp, University College London, UK

Giuseppe D'Agostino, University of Aberdeen, UK

12:30 pm Luncheon

2:15 pm SESSION 3: The Gut / Brain Axis and Taste

Hojoon Lee, Northwestern University, Evanston, USA

Darleen Sandoval, University of Michigan, Ann Arbor, USA

Patricia Di Lorenzo, Binghamton University, USA

Dana Small, Yale University, New Haven, USA

6:00 pm Reception, dinner

TUESDAY, APRIL 2

7:15 am Breakfast

8:30 am SESSION 4: Hindbrain Neurons as Drug Targets

Diana Williams, Florida State University, Tallahassee, USA

Lora Heisler, University of Aberdeen, UK

Randy Seeley, University of Michigan, Ann Arbor, USA

10:30 am SESSION 5: Pharmacotherapies

Tricia Tan, Imperial College London, UK

Matthias Tschöp, Helmholtz Center, Neuherberg, Germany

12:15 pm Luncheon



2:15 pm SESSION 6: Nausea, Aversion, and Links to the Forebrain

Simon Luckman, The University of Manchester, UK

Carlos Campos, University of Washington, Seattle, USA

Martin Myers, University of Michigan, Ann Arbor, USA

Clémence Blouet, University of Cambridge, UK

WEDNESDAY, APRIL 3

7:15 am Breakfast

8:30 am SESSION 7: Hypothalamic Aspects

Alastair Garfield, Rhythm Pharmaceuticals, Boston, USA

Michael Schwartz, University of Washington, Seattle, USA

10:00 am SESSION 8: Integrative Issues

Anthony Ferrante, Columbia University Irving Medical Center, New York, USA

Satchidananda Panda, Salk Institute for Biological Studies, La Jolla USA

11:00 am Meeting Wrap-Up

12:00 pm Luncheon

— END OF PROGRAM —



MEETING PARTICIPANTS

Suzanne Appleyard, Washington State University
Clémence Blouet, University of Cambridge
Carlos Campos, University of Washington
Giuseppe D'Agostino, University of Aberdeen
Ivan de Araujo, Icahn School of Medicine at Mount Sinai
Patricia Di Lorenzo, Binghamton University
Anthony Ferrante Jr., Columbia University Irving Medical Center
Alastair Garfield, Rhythm Pharmaceuticals
Harvey Grill, University of Pennsylvania
Lora Heisler, University of Aberdeen
Hojoon Lee, Northwestern University
Simon Luckman, The University of Manchester
Allison McElvaine, American Diabetes Association
Martin Myers, University of Michigan
Satchidananda Panda, Salk Institute for Biological Studies
Shirly Pinto, Kallyope
Robert Ritter, Washington State University
Darleen Sandoval, University of Michigan
Michael Schwartz, University of Washington
Randy Seeley, University of Michigan
Dana Small, Yale University
Tricia Tan, Imperial College London
Nancy Thornberry, Kallyope
Stefan Trapp, Univeristy College London
Alberto Travagli, Pennsylvania State University
Matthias Tschöp, Helmholtz Zentrum Munchen
Diana Williams, Florida State University