## Sunday, September 27

3:00 pm	Check-in
6:00 pm	Reception (Lobby)
7:00 pm	Dinner
8:00 pm	Poster Blitz (poster highlights - 5 minutes / 3 slides each)
	Joseph Bedont, Johns Hopkins Medical Institute Mathew Edwards, MRC Laboratory of Molecular Biology Xin Jin, The Rockefeller University Caroline Johnson, University of Southern California Arshad Khan, University of Texas at El Paso William Krause, University of California, San Francisco Prabhat Kunwar, California Institute of Technology Hernando Martinez, European Molecular Biology Laboratory (EMBL) Edward Nieh, Massachusetts Institute of Technology Adam Tozer, MRC Laboratory of Molecular Biology
9:00 pm	Refreshments available at Bob's Pub

**NOTE:** Meals are in the **Dining Room** Talks are in the **Seminar Room** Posters are in the **Lobby** 



## Monday, September 28

7:30 am	Breakfast (service ends at 8:45am)
9:00 am	Session 1: Agression / Sex / Defensive Behavior Chair: Jenna McHenry
9:00 am	<b>David J. Anderson</b> , HHMI/California Institute of Technology Behavioral decisions and internal state control in the ventromedial hypothalamus
9:25 am	<b>Tiago Branco</b> , MRC Laboratory of Molecular Biology A neural circuit module for computing escape decisions during foraging
9:50 am	<b>Dayu Lin</b> , NYU Langone Medical Center Hypothalamic cirucit underlying social behaviors
10:15 am	Garret D. Stuber, University of North Carolina at Chapel Hill An estrogen-gated hypothalamic reward circuit
10:40 am	Break
11:10 am	Session 2: Hypothalamus across phylogeny - Part I Chair: Edward Nieh
11:10 am	Larry W. Swanson, University of Southern California Cortical connectome interactions with the hypothalamus
11:35 pm	<b>Detlev Arendt</b> , European Molecular Biology Laboratory (EMBL) Evolution of hypothalamic cell types: Ancient origin of the apical nervous system
12:00 pm	Lunch (service ends at 1pm)
2:00 pm	Session 3: Hypothalamus across phylogeny - Part II Chair: Prabhat Kunwar
2:00 pm	<b>Michael N. Nitabach</b> , Yale School of Medicine Neuroendocrine control of multisensory threat-reward decision making
2:25 pm	<b>Paul Taghert</b> , Washington University School of Medicine Daily rhythms of Ca2+ activity in Drosophila circadian pacemaker network in vivo: Control by the molecular clock, by environmental input, and by peptide modulation
2:50 pm	<b>Steven W. Flavell</b> , HHMI/Rockefeller University <i>Neural mechanisms that generate persistent behavioral states</i>



3:15 pm	Supriya Srinivasan, The Scripps Research Institute Neural circuits of body fat control in C. elegans
3:40 pm	Break
4:15 pm	Session 4: Circadian / Sleep - Part I Chair: William Krause
4:15 pm	Joe Takahashi, HHMI/University of Texas Southwestern Medical Center <i>tbd</i>
4:40 pm	Amita Sehgal, HHMI/University of Pennsylvania School of Medicine <i>Peptidergic signaling in the Drosophila circadian system</i>
5:05 pm	<b>Michael Rosbash</b> , HHMI/Brandeis University Regulation of sexually dimorphic circadian neuron activity governs the Drosophila activity-sleep program
5:30 pm	Poster Reception
7:00 pm	Dinner
8:15 pm	Refreshments available in Bob's Pub



## Tuesday, September 29

7:30 am	Breakfast (service ends at 8:45am)
9:00 am	Session 5: Circadian / Sleep - Part II Chair: Piotr Krzywkowski
9:00 am	<b>Joseph T. Bass</b> , Northwestern University Hypothalamic clock ablation and chemogenetic pacemaker silencing impairs agrp-driven feeding and glucose metabolism in mice
9:25 am	Seth Blackshaw, Johns Hopkins University School of Medicine Genetic control of hypothalamic cell specification
9:50 am	Luis de Lecea, Stanford University Hypothalamic control of arousal
10:15 am	Break
10:45 am	<b>Michael H. Hastings</b> , MRC Laboratory of Molecular Biology Exploring cell-autonomous and circuit-level organisation of circadian time- keeping in the suprachiasmatic nucleus
11:10 am	<b>Samer Hattar</b> , Johns Hopkins University Achieving more with less: How evolutionarily ancient photoreceptors regulate hypothalamic and retinal functions
11:35 am	Erik Herzog, Washington University in St. Louis Ontogeny of circadian synchrony
12:00 pm	Lunch (service ends at 1pm)
1:00 pm	Tour (optional – meet at reception)
2:15 pm	Session 6: Circadian / Sleep - Part III Chair: Kai Liu
2:15 pm	Satchin Panda, Salk Institute for Biological Studies Daily transcriptional rhythm in hypothalamic regions of a diurnal species
2:40 pm	<b>David Prober</b> , California Institute of Technology Neurons and neuropeptides that regulate zebrafish sleep
3:05 pm	David Raizen, University of Pennsylvania School of Medicine Sleep in response to cellular stress



3:30 pm	Clifford Saper, Harvard Medical School
	Chemogenetic stimulation of hypothalamic circuitry regulating sleep and
	wakefulness

- 3:55 pm Break
- 4:30 pm Session 7: Feeding Part I Chair: Adam Tozer
- 4:30 pm **Tamas Horvath**, Yale University *Reeversal of action of POMC and AgRP neurons on feeding by cannabinoids*
- 4:55 pm **Roger Cone**, Vanderbilt University School of Medicine *New sites and modalities of melanocortin signaling*
- 5:20 pm Poster Reception
- 6:45 pm Dinner
- 8:00 pm **Scott Sternson**, Janelia Research Campus/HHMI Role of learning in starvation-sensitive hunger circuits
- 8:25 pm **Bradford Lowell**, Beth Israel Deaconess Medical Center *Circuitry underlying melanocortin-4 receptor (mc4r) regulation of hunger*
- 8:50 pm Refreshments available in Bob's Pub



## Wednesday, September 30

7:30 am	Breakfast (service ends at 8:45am)
9:00 am	Session 8: Feeding - Part II Chair: Xin Jin
9:00 am	<b>Michael Krashes</b> , National Institutes of Health Motivational state competition: Mimicking physiological hunger at the neuron level
9:25 am	<b>Joel K. Elmquist</b> , UT Southwestern Medical Center at Dallas <i>SF-1 in the hypothalamus: A molecular link between energy balance regulation and exercise</i>
9:50 am	<b>Lora Heisler</b> , University of Aberdeen <i>Hypothalamic actions of neuropeptides involved in appetite control</i>
10:15 am	Closing remarks
10:30 am	Conclusion and Departure (lunch service runs 11:30 am - 1:00 pm)
11:00 am 12:00 pm 1:00 pm	First shuttle to Dulles Second shuttle to Dulles Last shuttle to Dulles

