

Full Schedule

Sunday

3:00 pm Check-in

6:00 pm Reception

7:00 pm Dinner

8:00 pm **Session 1: Sex circuits in the worm**
Chair: Nirao Shah

8:00 pm **Doug Portman**, University of Rochester
*Sex-dependent modification of shared neural circuitry regulates multiple aspects of *C. elegans* behavior*

8:30 pm **Paul Sternberg**, HHMI/California Institute of Technology
*Male mating behavior in *C. elegans**

Monday

- 7:30 am Breakfast
- 9:00 am Session 2: Cellular and molecular basis of fly sexual behavior I**
Chair: Catherine Dulac
- 9:00 am **Bruce Baker**, Janelia Farm Research Campus/HHMI
On the specification of sexual behaviors in Drosophila
- 9:30 am **Dev Manoli**, University of California, San Francisco
Species specificity in Drosophila
- 10:00 am **Daisuke Yamamoto**, Tohoku University
MARCM-based analysis of mating behavior of Drosophila
- 10:30 am Break and Group Photo
- 11:00 am Session 3: Cellular and molecular basis of fly sexual behavior II**
Chair: Paul Sternberg
- 11:00 am **Leslie C. Griffith**, Brandeis University
Feedback modification of sensory neurons and pheromone coding in Drosophila antennal lobe
- 11:30 am **Edward A. Kravitz**, Harvard Medical School
Fruitless/octopamine neurons and the circuitry involved in the choice between courtship and aggression in Drosophila
- 12:00 pm **Michael McKeown**, Brown University
Generation of sex-specific functions of dissatisfaction
- 12:30 pm Lunch
- 1:15 pm Tour (optional)
- 2:30 pm Session 4: Sex circuits in female flies**
Chair: Tim Holy
- 2:30 pm **Jean-Francois Ferveur**, Université de Bourgogne
And what about female sexual behavior? A sensory approach of sexual isolation
- 3:00 pm **Yuh-Nung Jan**, HHMI/University of California, San Francisco
Control of the post-mating behavioral switch in Drosophila females
- 3:30 pm Break

4:00 pm **Poster Session 1**

6:00 pm Reception

7:00 pm Dinner

8:00 pm **Session 5: Vertebrate sexual behavior: Introduction**
Chair: Nancy Forger

8:00 pm **Arthur P. Arnold**, University of California, Los Angeles
Sex differences in phenotype caused by sex-biased effects of the sex chromosomes

8:30 pm **David Crews**, University of Texas at Austin
Shifting paradigms and the organization of neural control of sexual behavior

9:00 pm Refreshments available at Bob's Pub

Tuesday

- 7:30 am Breakfast
- 9:00 am Session 6: Sexual dimorphism of brain nuclei**
Chair: Doug Portman
- 9:00 am **Darcy B. Kelley**, Columbia University
Sexually differentiated hindbrain circuits for courtship song
- 9:30 am **Geert J. de Vries**, University of Massachusetts, Amherst
Dual function for sex differences in the brain
- 10:00 am **Nancy G. Forger**, University of Massachusetts, Amherst
Control of cell number in the sexually dimorphic brain and spinal cord
- 10:30 am Break
- 11:00 am Session 7: The role of sex hormones**
Chair: David Crews
- 11:00 am **Marc Breedlove**, Michigan State University
The unexpectedly widespread effects of androgen receptors
- 11:30 am **Margaret M. McCarthy**, University of Maryland School of Medicine
Cellular mechanisms establishing neural circuits controlling sexual behavior
- 12:00 pm **Melissa Hines**, University of Cambridge
Gonadal hormones and human psychosexual development
- 12:30 pm Lunch
- 2:00 pm Session 8: Sex signaling I**
Chair: Leslie Griffith
- 2:00 pm **Timothy E. Holy**, Washington University School of Medicine
Olfactory circuits for analyzing steroid metabolites
- 2:30 pm **Lisa Stowers**, The Scripps Research Institute
Sexual dimorphism of olfactory mediated behavior
- 3:00 pm Break
- 3:30 pm Session 9: Sex signaling II**
Chair: Leslie Griffith

- 3:30 pm **C. Ron Yu**, Stowers Institute for Medical Research
Recognition of complex urinary cues by the mouse vomeronasal organ
- 4:00 pm **Harold Zakon**, University of Texas at Austin
Hormone-dependent Na⁺ channel transcription and trafficking regulate a sexually dimorphic social signal in electric fish
- 4:30 pm Poster Session 2**
- 6:30 pm Reception
- 7:15 pm Dinner
- 8:15 pm Refreshments available at Bob's Pub

Wednesday

- 7:30 am Breakfast
- 9:00 am Session 10: Genes and circuits**
Chair: Ed Kravitz
- 9:00 am **Catherine Peichel**, Fred Hutchinson Cancer Research Center
Genetics of behavioral variation in sticklebacks
- 9:30 am **Catherine Dulac**, HHMI/Harvard University
Sex battles in the brain
- 10:00 am Break
- 10:30 am Session 11: Logic of sex-specific behaviors**
Chair: Bruce Baker
- 10:30 am **Nirao Shah**, University of California, San Francisco
Neural and hormonal control of sex specific behaviors
- 11:00 am **Tali Kimchi**, Weizmann Institute of Science
Defining pheromone-evoked sexual dimorphic behavioral responses
- 11:30 pm **Russell D. Fernald**, Stanford University
Social control of brain structure: Cellular consequences of changes in social status
- 12:00 pm Lunch (To-go boxes available in servery for those on first shuttle)
- 12:30 pm First shuttle to Dulles
- 1:15 pm Second shuttle to Dulles
- 2:00 pm Last shuttle to Dulles