SUNDAY, MARCH 7
Arrival and Registration

MONDAY, MARCH 8
Welcome and Keynote Address
David Julius, University of California, San Francisco, USA
Natural Products as Probes of the Pain Pathway: From Physiology to Atomic Structure

Sensory Signals Driving Social Interactions
Sarah M.N. Woolley, Columbia University, USA
Tuning the Auditory System for Vocal Communication

Susana Lima, Champalimaud Research, Portugal
Central Circuits that Promote Sexual Behavior

Michael A. Long, NYU Langone Health, USA
Comparative Neurobiology of Vocal Communication

Short Talks Chosen from Abstracts

Homeostatic Sensation Controls Behavior
Stephen Liberles, Harvard Medical School, USA
Internal Sensory Systems

Zachary A. Knight, University of California, San Francisco, USA
The Neurobiology of Homeostasis

Elaine Y. Hsiao, University of California, Los Angeles, USA
The Microbiome in Gut-Brain Signaling

Short Talks Chosen from Abstracts

Poster Session 1

TUESDAY, MARCH 9
Sensing Force: Molecules to Circuits
Ulrich Mueller, Johns Hopkins University/The Solomon H. Snyder, USA
Mechanotransduction in Hearing and Auditory Circuit Development

Ardem Patapoutian, The Scripps Research Institute, USA
Mechanical Sensing in Somatosensation and Interoception

Alexander Chesler, NCCIH, National Institutes of Health, USA
Cells and Molecules for Touch and Pain

David D. Ginty, HHMI/Harvard Medical School, USA
Mechanosensory Sensory Neurons and Central Circuits of Touch

Short Talks Chosen from Abstracts

Pain, Anesthesia, and Laughter
Patrik Ernfors, Karolinska Institutet, Sweden
Role of Glia in Pain Sensation

Fan Wang, Duke University Medical Center, USA
Circuits in Affective Pain

Sophie Scott, University College London, UK
Human Sensory Processing of Vocalization

Short Talks Chosen from Abstracts

Poster Session 2

WEDNESDAY, MARCH 10
Making Sense of Sense
Markus Meister, California Institute of Technology, USA
The Standard Model of the Retina

Sandeep Robert Datta, Harvard Medical School, USA
How the Brain Creates and Reads the Olfactory Percept

Jennifer M. Li, Max Planck Institute for Biological Cybernetics, Germany
Internal State Dynamics Shape Brainwide Activity and Foraging Behavior

Lisa Giocomo, Stanford University School of Medicine, USA
Encoding Spatial Information

Short Talks Chosen from Abstracts

Pain: Peripheral to Central
Rebecca P. Seal, University of Pittsburgh, USA
Tracking Etiology within Spinal Pain Circuits

Gregory Scherrer, University of North Carolina at Chapel Hill, USA
The Neural Basis of Pain Unpleasantness and Its Modulation

Speaker to be Announced

Short Talks Chosen from Abstracts

Poster Session 3

THURSDAY, MARCH 11
Integrating Sensation
Lisa Stowers, The Scripps Research, USA
How Olfaction Drives Behavior

Li-Huei Tsai, Massachusetts Institute of Technology, USA
Multi-Sensory Stimulation and Alzheimer's Associated Pathology

Daniel B. Polley, Harvard Medical School / Mass. Eye and Ear, USA
Neural Coding of Patterns, Predictions and Perceptual Awareness in the Auditory System

Short Talks Chosen from Abstracts

Sensational Sensation
Cynthia F. Moss, Johns Hopkins University, USA
Bat Echolocation: 3D Auditory Scene Analysis

Gary R. Lewin, Max Delbrück Center for Molecular Medicine, Germany
Sensory Perception in the Naked Mole-Rats

David Keays, Research Institute of Molecular Pathology, Austria
Vertebrate Magnetoreception

Speaker to be Announced

Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

FRIDAY, MARCH 12
Departure