

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Neurocircuitry of Social Behavior (L4)

May 10-13, 2020 • Daejeon Convention Center • Daejeon, South Korea

Scientific Organizers: Hee-Sup Shin, Larry Young, Hailan Hu and Carmen Sandi

Developed in collaboration with the Institute for Basic Science, IBS

Discounted Abstract & Scholarship Deadline: January 9, 2020 / Abstract Deadline: February 11, 2020 / Discounted Registration Deadline: March 10, 2020

SUNDAY, MAY 10

Arrival and Registration

MONDAY, MAY 11

Social Recognition (Recognizing Others, Social Memory Engram)

Steven A. Siegelbaum, Columbia University, USA
Encoding of Social Memory in the Hippocampal CA2 Region and Its Disorder in Disease

Teruhiro Okuyama, University of Tokyo, Japan
Social Memory Engram in the Hippocampus

Lisa Stowers, The Scripps Research, USA
Circuit Solution for Flexible Social Vocal Communication

Gloria Choi, Massachusetts Institute of Technology, USA
Cortical Dysfunction and Social Behaviors

Short Talks Chosen from Abstracts

Workshop 1

Short Talks Chosen from Abstracts

Social Stress and Anxiety

Carmen Sandi, Ecole Polytechnique Federale de Lausanne, Switzerland
Neural Circuits for Anxious Actions

Speaker to be Announced

Jaideep Bains, University of Calgary, Canada
Social Transmission and Buffering of Stress

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, MAY 12

Social Bonding, Parental Behaviors and Sexual Dimorphic Behaviors

Larry J. Young, Emory University School of Medicine, USA
The Neural Mechanisms and Circuitry of Pair Bonding Behaviors in Monogamous Voles: Implications for Autism.

Yoh Isogai[†], Sainsbury Wellcome Centre, UK
Talk Title to be Announced

Robert C. Froemke, New York University School of Medicine, USA
Social Transmission of Maternal Behavior via Oxytocin

Nirao Shah, Stanford University, USA
Social Attachment/Dimorphic Sexual Behaviors

Short Talks Chosen from Abstracts

Social Hierarchy, Dominance, Aggression

Hailan Hu, Zhejiang University School of Medicine, China
Social Dominance

David J. Anderson, California Institute of Technology, USA
Neural Circuit and Molecular Control of Aggression

Hitoshi Okamoto, RIKEN Center for Brain Science, Japan
Reciprocal Interactions of the Habenulo-Interpeduncular Winner Circuit with the Internal State of Zebrafish

Short Talks Chosen from Abstracts

Poster Session 2

WEDNESDAY, MAY 13

Empathy and Prosocial Behavior

Claus Lamm[†], University of Vienna, Austria
Talk Title to be Announced

Christian Keysers, Netherlands Institute for Neuroscience, Netherlands
A Cross-Species Approach to Empathy and Prosociality Part II

Hee-Sup Shin, Institute for Basic Science IBS, South Korea
Genetic and Circuit Studies of Affective Empathy

Valeria Gazzola, Netherlands Institute for Neuroscience, Netherlands
A Cross-Species Approach to Empathy and Prosociality Part I

Short Talks Chosen from Abstracts

Workshop 2

Short Talks Chosen from Abstracts

Social Motivation and Decision Making (Social Reward, Social Preference)

Robert C. Malenka, Stanford University School of Medicine, USA
A Role for Nucleus Accumbens Serotonin in Promoting Sociability

Kay M. Tye, The Salk Institute, USA
Neural Circuits of Social Homeostasis

Todd Hare, University of Zurich, Switzerland
Computational and Neurobiological Foundations of Leadership Decisions

Short Talks Chosen from Abstracts

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

THURSDAY, MAY 14

Departure