

Program

Dec 5, 2016

Opening remarks

13:00-13:05 Yasunori Hayashi Kyoto University/RIKEN BSI

Session 1

Chairperson: Yasunori Hayashi

13:05-14:05 Loren Frank UCSF

Distinct hippocampal-cortical memory representations for different types of experiences

14:05-14:50 Thomas McHugh RIKEN BSI

CA2/CA3 interaction modulate hippocampal excitability

14:50-15:05 Coffee break

15:05-15:50 Kenji Mizuseki Osaka City University

Information processing in the entorhinal-hippocampal circuit

15:50-16:35 Naoki Matsuo Osaka University

Visualization and manipulation of memory engram

16:35-16:50 Coffee break

16:50-17:35 Kazumasa Tanaka RIKEN BSI

Physiology of Hippocampal Memory Engram

17:35-19:35 Reception and poster

Dec 6, 2016

Session 2

Chairperson: Thomas McHugh

09:00-09:45 Dai Watanabe Kyoto University

Neural circuit basis of vocal communication

09:45-10:30 Yukinori Hirano Kyoto University

A mechanism of the memory a trace rising in Drosophila

10:30-10:45 Coffee break

10:45-11:30 Josh Johansen RIKEN BSI

Meta-Organization of the Brainstem Noradrenaline System

Coordinates Adaptive Learning

11:30-12:00 Shin Hayase Hokkaido University

Accumulation of vocal experience regulates the critical period of vocal learning in songbirds

12:00-12:55 Lunch (own)

Session 3

- Chairperson: Josh Johansen
- 12:55-13:55 Attila Losonczy Columbia
Dissecting neural circuits for memory and navigation in the rodent hippocampal formation
- 13:55-14:40 Kei Igarashi UC Irvine
Gamma synchronization in the entorhinal-hippocampal circuit
- 14:40-14:55 Coffee break
- 14:55-15:40 Kaoru Inokuchi Toyama University
Engram dynamics underlying memory association
- 15:40-16:25 Toshiyuki Hirabayashi Molecular Imaging Center
Multimodal approaches for cortical microcircuit and large-scale network of visual memory functions in primates
- 16:25-16:40 Coffee break
- 16:40-17:25 Ji-Song Guan Tsinghua University
Hippocampus-mediated memory trace formation in mouse neocortex
- 17:25-17:55 Kotaro Mizuta RIKEN BSI
Representation of reward event by cell assemblies in hippocampal CA1 area
Dinner (own)

Dec 7, 2016

Session 4

- Chairperson: Dai Watanabe
- 09:00-09:45 Kazuo Kitamura Yamanashi University
Representation of cerebellar climbing fiber signals during goal-directed behavior and learning
- 09:45-10:30 Shin Ishii Kyoto University
Machine learning-based methods for extracting network structures
- 10:30-10:50 Coffee break
- 10:50-11:10 Masami Tatsuno Lethbridge
Information-theoretic analysis of memory reactivation signal
- 11:10-11:55 Poster Talk 1 selected from posters
- 11:55-12:15 Poster Talk 2 selected from posters
- 12:15-12:20 Concluding remark Junichi Nabekura
National Institute of Physiological Science