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 arising 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

10:50-11:35 Masami Tatsuno Lethbridge
Information-theoretic analysis of memory reactivation signal

11:35-11:55 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