

Schedule for NIPS Learning & Memory meeting

Day 1, September 12th

1-1:30 Registration
1:30-1:40 Introduction to meeting

Session 1: Neural Circuits of Learning & Memory Chair: Yasunori Hayashi

1:40-2:10 **Tom McHugh** (RIKEN CBS): A hypothalamic novelty signal modulates hippocampal memory
2:10-2:40 **Minoru Kimura** (Tamagawa University): Monitoring and updating of action selection through the striatal direct and indirect pathways
2:40-3:10 **Toshiyuki Hirabayashi** (National Institute of Radiological Sciences): Multi-scale analysis of network effect of local perturbation: chemogenetic functional imaging & electrophysiology in macaques
3:10-3:40 **Josh Johansen** (RIKEN CBS): Brainstem-to-amygdala control of emotional associative learning
3:40-4:10 Coffee Break/poster session

Session 2: Neuromodulation of Learning & Memory Chair: Kaoru Inokuchi (Toyama University)

4:10-4:40 **Minoru Saitoe** (Tokyo Metropolitan Institute of Medical Sciences): Non-canonical local dopamine release evoked by postsynaptic neurons
4:40-5:10 **Sho Yagishita** (University of Tokyo): Disinhibitory gating of discrimination learning and spine enlargement by dopamine D2 receptors in the nucleus accumbens
5:10-5:40 **Yoko Yazaki-Sugiyama** (OIST/University of Tokyo): Social interactions modulate attention and song perception during zebra finch song learning
5:40-6:10 **Akira Uematsu** (University of Tokyo): Heterogeneity in the neural systems mediating fear learning and extinction
6:30 Reception/poster session

Day 2, September 13th

Session 1: Hot topics selected from posters Chair: Josh Johansen

9-9:15 **Kyogo Kobayashi** (Kyushu University)
9:15-9:30 **Taiju Amano** (Hokkaido University)

Session 2: Molecular underpinnings of memory and disease Chair: Naoki Matsuo (Kyushu University)

9:30-10 **Yasunori Hayashi** (Kyoto University): A new role of CaMKII as a postsynaptic crosslinker

- 10-10:30 **Akiko Hayashi-Takagi** (RIKEN CBS): “Multi-scale Understanding of Synaptic Pathology of Psychiatric Disorders”
- 10:30-10:50 Coffee Break/poster session
- 10:50-11:20 **Dan Ohtan Wang** (Kyoto University/iCeMS): RNA epigenetics in neurons and synapses
- 11:20-11:50 **Satoshi Kida** (University of Tokyo): Roles of hippocampus in fear memory reconsolidation and extinction
- 11:50-12 Closing Remarks