

**[Day 1] September 17 (Thu) : online**

09:55	10:00	Logistics : Wang Dan Ohtan
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10:05	10:10	Opening Remarks : Kida Satoshi
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		1st session	Chair: Hayashi Yasunori
		Molecular physiology I	
10:10	10:50	<b>Cliff Abraham</b> (University of Otago)	Homeostatic maintenance of net synaptic drive during synaptic plasticity
10:50	11:15	Lai Kwok On (University of Hong Kong)	Protein arginine methylation outside the nucleus: how does it regulate synapse development and plasticity?
11:15	11:40	Shimizu Kimiko (The University of Tokyo)	Maintenance of Time-dependent Spatial Memory by Neurosteroids in Mice
11:40	12:05	Ch'ng Toh Hean (Nanyang Technological University)	The role and regulation of importin beta 1 in nuclear signaling during transcription-dependent plasticity

12:05	13:00	Break
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		2nd session	Chair: Kitamura Takashi
		Circuit	
13:00	13:25	Joshua Johansen (RIKEN)	An aversive-sensorimotor neural circuit for instructing associative emotional memories
13:25	13:50	Saji Kumar Sreedharan (National University of Singapore)	Hippocampal area CA2: Trace or trap for memory?
13:50	14:15	Thomas McHugh (RIKEN)	Characterization of a novel hippocampal-septal circuit
14:15	14:40	Lin Shih-Chieh (National Yang-Ming University)	Temporal backpropagation of basal forebrain neuronal activity reveals stepwise learning strategy

14:40	14:50	Break
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		3rd session	Chair: Hirano Yukinori
		Encoding	
14:50	15:15	Lee Yong-Seok (Seoul National University)	Cerebellar output networks for non-motor cognitive behaviors
15:15	15:40	Han Jin-Hee (Korea Advanced Institute of Science and Technology)	Manipulation of synaptic memory allocation
15:40	16:05	Sano Yoshitake (Tokyo University of Science)	Cortico-amygdala interaction during taste-aversion association learning to recruit a memory trace
16:05	16:30	Iino Yusuke (The University of Tokyo)	Dopamine dip and dopamine D2 receptors regulate structural long-term potentiation and discrimination learning
16:30	17:10	<b>Saitoe Minoru</b> (Tokyo Metropolitan Institute of Medical Sciences)	On-demand DA release is involved in olfactory aversive learning

17:10	17:20	休憩 / Break
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		4th session Technology	Chair: Matsuo Naoki
17:20	17:45	Mikuni Takayasu (Niigata University)	Genome editing-based strategies for imaging endogenous proteins in mammalian brain in vivo
17:45	18:10	Sakamoto Masayuki (Kyoto University)	Imaging voltage in neurons with genetically encoded indicators
18:10	18:35	Li Yulong (Peking University)	Spying on endocannabinoid dynamics in vivo by constructing genetically-encoded GRAB sensors
18:35	18:50	Murakoshi Hideji (National Institute for Physiological Sciences)	A photoactivatable CaMKII induces synaptic plasticity in single synapses
18:50		Breakout room party	

**[Day 2] September 18 (Fri) : online**

09:55	10:00	Logistics : Sano Yoshitake	
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		5th session Extinction	Chair: Lee Seung-Hee
<b>10:00</b>	<b>10:40</b>	<b>Kaang Bong-Kiun</b> (Seoul National University)	Extinction reverses specific synaptic engrams that encode a fear memory
10:40	11:05	Kitamura Takashi (UT Southwestern)	A hippocampal-amygdala circuit for experience-dependent observational fear
11:05	11:30	Lee Seung-Hee (Korea Advanced Institute of Science and Technology)	Unraveling cortical circuits for shaping vision-guided action
11:30	11:55	Ye Xiaojing (Sun Yat-Sen University)	How does memory retrieval regulate memory?

11:50	13:00	Break	
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		6th session Gene expression I	Chair: Toh Hean Ch'ng
13:00	13:25	Goto Akihiro (Kyoto University)	Defining the spatiotemporal window of synaptic plasticity events during memory consolidation
13:25	13:50	Sourav Banerjee (National Brain Research Centre of India)	Balancing act: Mechanism of homeostatic synaptic scaling by proteostasis
13:50	14:15	Zhuo Yu (Qingdao University)	Dnmt3b regulates synaptic function and memory in adult hippocampal neurons
14:15	14:40	Soong Tuck Wah (National University of Singapore)	Neuron-selective RNA editing of Cav1.3 Channel and its role in Learning and Memory

14:40	14:50	Break	
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		7th session Gene expression II	Chair: Okuno Hiroyuki
14:50	15:15	Hirano Yukinori (Hong Kong University of Science and Technology)	Controlling the flexibility in memory updating through the gating mechanism for activity-dependent transcription in <i>Drosophila</i>
15:15	15:40	Wang Dan Ohtan (Kyoto University)	Epitranscriptomic mechanisms at the dynamic end of microtubule regulates neurodevelopment and synapse organization
15:40	16:05	Timothy Bredy (University of Queensland)	Long Noncoding RNAs and Memory

16:05	16:15	Break	
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		8th session System plasticity and sleep	Chair: Ye Xiaojing
16:15	16:40	Dipesh Chaudhury (New York University Abu Dhabi)	Abnormal Sleep Signals Vulnerability to Chronic Social Defeat Stress
16:40	17:05	Hayashi Yu (Kyoto University)	Genetic and imaging approaches to elucidate the roles of REM sleep
17:05	17:30	Kareem Abdou (University of Toyama)	Offline emergence of transitive inference in cortical circuits

17:30	17:40	Break	
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		9th session System plasticity in disease	Chair: Yamamoto Keiko
17:40	18:05	Li Weidong (Shanghai Jiao Tong University)	Reversal of LTP and learning deficits in a Utx mouse model of Kabuki Syndrome
18:05	18:30	Ishikawa Rie (The University of Tokyo)	Improvement of social defeat stress-induced PTSD-like behaviors by hippocampal memory forgetting effects of neurogenesis enhancer
<b>18:30</b>	<b>19:10</b>	<b>Zhuo Min</b> (The University of Toronto)	Neuromodulation of synaptic transmission and plasticity in the anterior cingulate cortex

19:10	19:15	Closing remarks : Inokuchi Kaoru	
19:15	19:20	Final closing remarks : Nabekura Junichi	