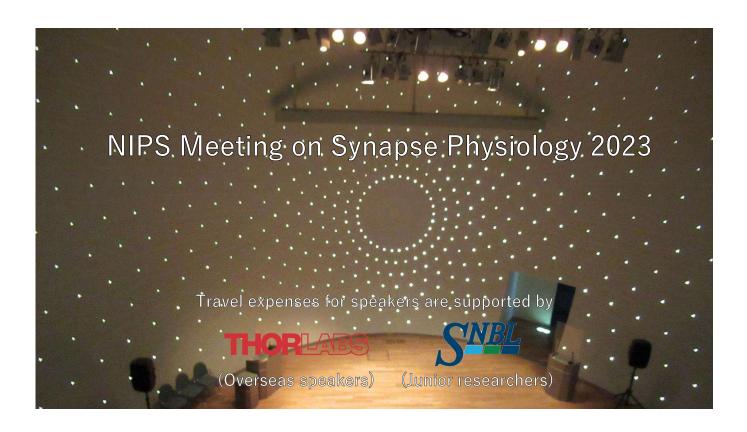
## [NIPS meeting on synapse physiology]

Date: Oct 19(Thu)-20(Fri) 2023

Venue: Inamori Hall, Kagoshima University & Zoom Online

Organizer: Tatsuo Sato (Kagoshima University), Secretary-General: Yumiko Yoshimura (NIPS)



## October 19 (Thu)

10.00 10.00	D: - 1 1	DO I		-11.
12:00-12:50	Registration.	PC and	network	cneck

12:50-13:00 Welcome remarks Tatsuo Sato (Kagoshima University)

Session I	Chair: Yasunori Hayashi (Kyoto University)
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Invited talk 1 (without Zoom)

13:00-13:45 Masaaki Ogawa (Shiga University of Medical Science)

"Neural mechanisms to cope with lack of expected reward: role of dopamine"

Talk (1)

13:45-14:05 Takayuki Yamashita (Fujita Health University School of Medicine)

"Reward-Related Orofacial Movements: Mechanisms and Influence on Cortical

Activities"

Talk (2)

14:05-14:25 Yuichiro Hayashi (Kansai Medical University)

"The organization of spatial coding in the hippocampal CA1 area"

(Break)

Session II Chair: Shinya Kawaguchi (Kyoto University)

Invited talk 2

14:40-15:25 Takeshi Imai (Kyushu University)

"Activity-dependent lateral inhibition signals for synaptic competition"

Talk (3)

15:25-15:45 Reo Higashi (Kyoto University)

"Propagation and integration of excitatory post-synaptic potentials in cerebellar Purkinje

neuron dendrite"

Short talk ①

15:45-16:00 Haesuk Lee (Kagoshima University)

"A dendritic basis for sensory tuning in the primary visual cortex"

(Break)

Session III Chair: Naofumi Uesaka (Tokyo Medical and Dental University)

Special Lecture

16:15-17:05 Masanobu Kano (Tokyo University, Teikyo University)

"My Thirty Years of Research on Developmental Synapse Elimination"

(Break)

Thorlabs session Chair: Tatsuo Sato (Kagoshima University)

Short talk ②

17:20-17:35 Takeo Katsuki (Thorlabs)

"Prelude: A Compact Innovation in Two-Photon Microscopy"

Invited talk 3

17:35-18:20 Lucy M. Palmer (Florey Institute of Neuroscience and Mental Health)

"Dynamics of dendritic encoding during learning"

Invited talk 4 (without Zoom)

18:20-19:05 Hiroshi Makino (Nanyang Technological University)

"LEARNING IN INTELLIGENT SYSTEMS"

(Social gathering) Dinner at 20:00 in Tenmonkan

## October 20 (Fri)

Session V Chair: Hidenobu Mizuno (Kumamoto University)

Invited talk 5 (without Zoom)

9:00-9:45 Akiyuki Taruno (Kyoto Prefectural University of Medicine)

"The channel synapse mediates airway protective chemoreflexes"

Short talk ③

9:45-10:00 Jun Kaminosono (Kagoshima University)

"Optogenetic-based cardiac pacing in awake freely moving mice; toward psychosomatic

correlation research"

(Break)

Session VI Chair: Hiroyuki Okuno (Kagoshima University)

Invited talk 6

10:05-10:50 Kengo Inada (RIKEN)

"A vasopressin-to-oxytocin receptor crosstalk underlying paternal behavioral transition

in mice"

Short talk 4

10:50-11:05 Natsuko Hitora-Imamura (Kumamoto University)

"Neural circuit mechanisms of behavioral selection in a conflict scenario"

(Break)

SessionVII Chair: Nao Tamagawa (Kagoshima University)

Talk (4)

11:15-11:35 Yuki Hashimotodani (Doshisha University)

"Verification of two different packaging models in glutamate and GABA co-release

synapses: same or separate vesicles"

Talk (5)

11:35-11:55 Kohgaku Eguchi (OIST)

"Alternative splicing of CaV2.1 EF-hand regulates calcium influx-sensor coupling for

neurotransmitter release in mouse cerebellar synapses"

(Break)

SessionVIII Chair: Yoshiaki Tagawa (Kagoshima University)

Short talk (5)

12:00-12:15 Kei Furukawa (Kyoto University)

"Opposite actions of cAMP on action potential and transmitter release dynamically

control outputs in Purkinje cells"

Short talk 6

12:15-12:30 Takao Tsukahara (Meikai University)

"Deciphering the Role of *Kdm5c/Kdm5d* X-Y Pair genes in neurodevelopmental

disorders"

12:30-12:35	Voting for the SNBL Best Junior Presentation Award
Invited talk 7 <u>(wi</u> 12:35-13:20	thout Zoom)  Naofumi Uesaka (Tokyo Medical and Dental University) "Neuronal and Synaptic Influences on Brain Tumors"
13:20-13:25	Closing remarks Tatsuo Sato (Kagoshima University)

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