

Decoding Neural Dynamics: From Neuro-Computation to Disease Signatures | Program

Tuesday, June 9

09:30 - 10:00	Registration	
10:00 - 10:10	Welcome	
10:10 - 10:50	Keynote Talk	Functional role of spontaneous activity Prof. Dr. Hirokazu Takahashi University of Tokyo
10:50 - 11:15	Scientific Talk	Toward Solving the Mystery of Sleep Using an In Vitro Sleep MEA System Asst. Prof. Shoi Shi Tsukuba University
11:15 - 11:25	Morning Break	
11:25 - 11:50	Scientific Talk	Scalable Cerebral Organoid Networks for Studying Emergent Network Dynamics Asst. Prof. Tomoya Duenki University of Tokyo
11:50 - 12:15	Scientific Talk	Noise-Aware Information Processing Capacity in Living Neuronal Reservoirs Asst. Prof. Dai Akita University of Tokyo
12:15 - 13:45	Lunch Break	
13:45 - 14:00	MxW Talk	MaxWell News
14:00 - 14:05	Company Talk	Dr. Rebecca Northeast bit.bio
14:05 - 14:30	Flash Talks	Asst. Prof. Hiroyuki Tamiya Kansai Medical University Yusaku Yamagishi University of Tokyo Shinnosuke Nomura Tsukuba University Yusei Nishi Tohoku University Nobuyuki Kido University of Tokyo
14:30 - 14:55	Scientific Talk	Modernizing Safety Pharmacology: Opportunities and Challenges of NAMs Dr. Yasunari Kanda NIHS
14:55 - 15:20	Scientific Talk	Bottom-Up Investigation of Spinal Sensory Circuits with HD-MEA and Molecular Approaches Assoc. Prof. Kenta Shimba University of Tokyo
15:20 - 15:40	Afternoon Break	
15:40 - 16:05	Scientific Talk	Homeostatic Switching Between Synchronous and Asynchronous Firing in Cortical Neurons on HD-MEAs Assoc. Prof. Koji Ode University of Tokyo
16:05 - 16:30	Scientific Talk	Multimodal evaluation platform using human iPSC-derived mature neurons Dr. Waka Lin, Koichi Muramatsu Ricoh
16:30 - 16:45	Closing Remarks & Picture Taking	
16:45	Networking and Dinner	