$24^{th}\,iCeMS\,International\,Symposium$

Emerging Science for Unlocking Cell's Secrets

3–4 September 2018, Kyoto University iCeMS (as of 30 August)

Day 1 (3 September	er)
12:00-12:40	Registration
12:40-13:00	Opening remarks: Susumu Kitagawa (Director of Kyoto Univ iCeMS) Toshio Kuroki (Director of WPI Academy)
	Session I Microscope Development and Application (Chair Mineko Kengaku & Takahiro Fujiwara)
13:00–13:30	Kazuto Fujishima (Kyoto Univ iCeMS) Cytoskeletal control of the tree shape of neuronal dendrites in the brain
13:30–14:00	Hideharu Mikami (Univ of Tokyo) <i>High-Speed Fluorescence Microscopy: Generating Big Data in life science</i>
14:00–14:30	Ryuji Kato (Nagoya Univ) Morphology-Based iPS Cell Colony Evaluation for Cell Manufacturing
14:30–14:50	Coffee break
	Session II Control Cell Behavior 1 (Chair Ken-ichiro Kamei & Naotaka Nakazawa)
14:50-15:20	Yuya Morimoto (Univ of Tokyo) <i>Biohybrid Device Composed of Cultured Tissue and Artificial Device</i>
15:20–15:50	Akihiro Isomura (JST PRESTO / Kyoto Univ) Optical Manipulation of Cell-Cell Communication in Pene Regulatory Circuits
15:50–16:20	Satoshi Toda (Univ of Calif San Francisco) Synthetic Tissue Formation: Programming Multicellular Self-Organization
16:20–16:40	Coffee break
	Session III Tissue Engineering (Chair Ganesh Pandian Namasivayam & Kazuto Fujishima)
16:40-17:10	Geoff Richards (AO Research Inst Davos) <i>Talk title: TBC</i>
17:10-17:40	Maruo Alini (AO Research Inst Davos) <i>Hyaluronan hydrogel platform for musculoskeletal regeneration</i>
17:40–18:10	Kouichi Hasegawa (Kyoto Univ iCeMS) Chemical Control of Human Pluripotent Stem Cell Self-Renewal
40.40	

18:10-

Group photo

Day 2 (4 September)

-	
	Session IV Control Cell Behavior 2 (Chair Dan Ohtan Wang & Masahiro Maruoka)
9:00-9:30	Masahiro Sonoshita (Hokkaido Univ) A Whole Animal Platform for Anti-Cancer Drug Discovery
9:30-10:00	Yuichiro Hori (Osaka Univ) Design and Development of Fluorogenic Probes for Imaging Endogenous Biomolecules
10:00–10:30	Yulong Li (Peking Univ) Spying on Dopamine Modulation by Constructing New Genetically-Encoded Sensors
10:30–10:50	Coffee break
10:50-11:00	Special topics: Pep Pamies (Editor of Nature Biomedical Engineering)
	Engineering discovery and technology for improving human health
	Session V Bioinformatics (Chair Kouichi Hasegawa & Daniel M. Packwood)
11:00-11:30	Dan Ohtan Wang (Kyoto Univ iCeMS) Chemistry and Biology Connected for the Emergence of Consciousness
11:30–12:00	Huiying Li (Univ of Calif Los Angeles) Dissecting the Human Skin Microbiome in Health and Disease
12:00-12:30	Kyogo Kawaguchi (RIKEN) Skin Homeostasis and Spatiotemporal Cell Fate Coordination
	Session VI Probe Development (Chair Jun Suzuki & Kaoru Sugimura)
13:20-13:50	Hidekazu Tsutsui (JAIST) Visualizing Cellular Electrical Phenomena with Fluorescence Reporters
13:50–14:20	Yuji Furutani (Inst for Molecular Science) Infrared Spectroscopy for Investigating Ion-Protein Interactions of Potassium Channels
14:20–14:50	Tomoki Matsuda (Osaka Univ) Fluorescent and Bioluminescent Protein Based Probes for Visualization of Biological Events
14:50-	Closing remarks: Ken-ichiro Kamei (Kyoto Univ iCeMS/Symposium organizing chair)