

21st iCeMS International Symposium

Emerging Science for Unlocking Cell's Secrets

<http://www.icems.kyoto-u.ac.jp/en/news/2616>

Date:

Fri. June 3,- Sat. June 4, 2016

Venue:

iCeMS Main Building
2F Seminar Room

<http://www.icems.kyoto-u.ac.jp/en/access/>



Speakers:

Day1(June 3)

Session I: Membrane Dynamics and Signaling 13:30~15:00



Jun Suzuki (Osaka University)
Phospholipid-scrambling Proteins on the Plasma Membranes



Junichi Ikenouchi (Kyushu University)
Roles of Lipids in the Formation of Membrane Structures in Epithelial Cells



Yasushi Tamura (Yamagata University)
Nonvesicular Phospholipid Transport Via Mitochondria

Session II: Observation and Control of Cell Signals 15:30~18:30



Kenichi Suzuki (Kyoto University)
Unravelling of Raft Organization and Function by Single-molecule Imaging of New Ganglioside Probes



Shigeki Kiyonaka (Kyoto University)
Novel Chemical Approach for Allosteric Activation of Glutamate Receptors on Live Cells



Xiaoguang Lei (Peking University)
To Die or Not To Die: An Important Question for Cells



Shigeyuki Masaoka (National Institutes of Natural Sciences)
Molecular Catalysts Designed for Water Oxidation



Shuhei Furukawa (Kyoto University)
Metal-organic Frameworks for Gas Biology and Therapeutic Applications

Day2 (June 4)

Session III: Visualizing Cellular Dynamics 9:30~10:30



Tetsuya Takeda (Okayama University)
Crescent and Helix: Membrane Remodelling by BAR Domain Proteins and Dynamin



Yusuke Miyanari (Okazaki Institute for Integrative Bioscience)
Nuclear Dynamics and Reprogramming

Session IV: Cell State Control by Light and Chemicals 11:00~12:30



Xiang David Li (The University of Hong Kong)
Chemical Approaches to Decipher Histone Epigenetic Code



Eijiro Miyako (National Institute of Advanced Industrial Science and Technology)
Spatiotemporal Control of Cellular Functions by NIR Light-powered Nanorobots



Itaru Imayoshi (Kyoto University)
Regulatory Mechanism of Neural Stem Cells Revealed by Optical Manipulation of Gene Expressions

Session V: New Imaging Tools 13:30~15:00



Shigehiro Kawashima (The University of Tokyo)
Developing Artificial Catalyst Systems for Synthetic Epigenetics



Dan Ohtan Wang (Kyoto University)
Synaptic Epitranscriptomics and Dynamic RNA Imaging



Toshiyuki Kowada (Stanford University)
Real-time Intravital Imaging of pH-variation Associated with Osteoclast Activity Using Small-molecule Fluorescent Probe

Registration not required. Free of charge.



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