

Program

January 30 Monday

Session 1: Imaging and Techniques 1

- 10:30-11:00 Takeaki Ozawa Graduate School of Sciences, University of Tokyo, Japan
“Imaging and Control of Biological Functions Using Split-Reporter Reconstitution Analyses”
- 11:00-11:30 Masahiro Ueda Graduate School of Frontier Biosciences, Osaka University, Japan
“Quantitative imaging analysis and mathematical modeling of intracellular self-organization of chemotactic signaling system”

Keynote

- 11:30-12:15 Alexei Tepikin Institute of Translational Medicine, University of Liverpool, UK
“Optical techniques in studies of Ca²⁺ signalling, bioenergetics and cell damage”

Lunch & Poster Session

- 15:00-15:30 Takeharu Nagai Research Institute for Electronic Science, Hokkaido University, Japan
“Revolutionary bioimaging with super-duper luminescent proteins”

Session 2: Cellular Information Processing

- 15:30-16:00 Shinya Kuroda Graduate School of Sciences, University of Tokyo, Japan
“Information coding of ERK signaling networks”

Coffee Break

- 16:20-16:50 Kazuhiro Aoki Graduate School of Biostudies, Kyoto University, Japan
“FRET imaging reveals a functional link between cell growth and oscillation frequency of ERK activity”
- 16:50-17:20 Tetsuya Kobayashi Institute of Industrial Science, University of Tokyo, Japan
“Information Processing by Noisy Intracellular Networks”

Keynote

- 17:20-18:05 Andre Levchenko Institute of Cell Engineering, Johns Hopkins University, USA
“Individual Signal Processing in *D. discoideum* cells Revealed by Imaging within a Microfluidic Device and Computational Modeling”

