

**Saitama University Brain and Body System Science Institute (BBSSI)
International Symposium
"Frontiers in whole-brain/whole-organ imaging of cellular activities"**

1:30 pm–5 pm, Tuesday, November 21, 2017
Lecture Theatre, Building of Research and Project,
Saitama University

13:30 Opening remarks

Part I: New technologies & Imaging in simple organisms

Chair: Masaaki Sato (BBSSI, Saitama Univ.)

13:30–13:45 Junichi Nakai (BBSSI, Saitama Univ.)
Development of genetically-encoded calcium indicators

13:45–14:15 Hokto Kazama (RIKEN Brain Science Institute)
Olfactory computations in the Drosophila memory center

14:15–15:00 *Special Lecture*
**Daniel Razansky (Institute for Biological and Medical Imaging,
Technical University of Munich and Helmholtz Center Munich,
Germany)**
The promise of large-scale brain activity imaging with optoacoustics

15:00–15:30 Coffee break

Part II: Imaging in mammals and plants

Chair: Masaaki Sato (BBSSI, Saitama Univ.)

**15:30–16:00 Tomoyuki Mano (Dept. Sys. Pharmacol., Grad. Sch. Med., Univ.
Tokyo/Dept. Chem., Princeton Univ.)**
*Three-dimensional single-cell-resolution whole-brain atlas using CUBIC-X
expansion microscopy and tissue clearing*

16:00–16:30 Masatsugu Toyota (Dept. Biochem. Mol. Biol., Saitama Univ.)
Long-range calcium transmission as revealed by whole-plant imaging

16:30–17:00 Hajime Hirase (RIKEN Brain Science Institute/BBSSI, Saitama Univ.)
Imaging of brain cell activity during transcranial DC stimulation

17:00 Closing remarks

Reception (TBA)