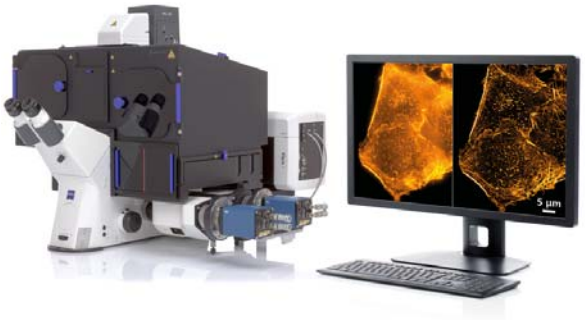
# iCeMS Analysis Center
# ZEISS-iCeMS Innovation Core
# Elyra 7 with Lattice SIM Workshop

ZEISS Elyra 7 with Lattice SIM enables fast and gentle 3D super-resolution live imaging in large fields of view over long time periods. In Lattice SIM, the sample area is illuminated with a lattice pattern instead of grid lines. The lattice pattern gives higher contrast and 2x higher sampling efficiency compared with conventional SIM, so that you need less illumination. This is a breakthrough in light efficiency, providing very fast (up to 255 fps) frame rate for 2D super-resolution imaging, or fast imaging of 3D volumes at excellent resolutions (120 nm in XY and 300 nm in Z) while minimizing photodamage.




Dr. Bernhard Zimmermann (Senior Director Business Sector Life Sciences, ZEISS Research Microscopy Solutions, Jena, Germany) is giving a seminar on Lattice SIM technology and its comparison to other super-resolution methods. After the seminar, we will have demonstration sessions using your own sample (about 2 hrs each). Please register the seminar and the demonstration session (if you wish) by **January 10** using the **Registration URL** below.

You will have access to the system installed at ZEISS-iCeMS Innovation Core for several months. Please contact Takahiro Fujiwara (tfujiwara@icems.kyoto-u.ac.jp) if you get interested in long-term use of the system.

**Date & Place**

Technical seminar: January 27 (Mon), 2020, 13:30-14:30
Room 119 of Research Bldg. No.1 (#32) at Main Campus of Kyoto University

Demonstration: January 27 (Mon), 2020, 1 session after the seminar
January 28 (Tue), 2020, 3 sessions
January 29 (Wed), 2020, 3 sessions
ZEISS-iCeMS Innovation Core, Room 305 of Research Bldg. No.1 Annex (#33)

**Language**: English

**Registration URL**: https://forms.gle/VuLniNtULvffJUBR7

Organized by:
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