

# iCeMS Analysis Center ZEISS-iCeMS Innovation Core LSM 980 with Airyscan2 Briefing Session

We will have a briefing session for ZEISS LSM 980 with Airyscan2, recently installed as a common facility in iCeMS Analysis Center. The microscope provides the capability of 4D super-resolution imaging with high sensitivity over large view fields. Airyscan2 detector with 4x and 8x multiplexed pixel acquisition modes enables fast super-resolution imaging with limited reduction of spatial resolution from the original 1x mode (120 nm for XY and 350 nm for Z), and long-term dynamic process imaging with less photo damage/bleaching. In addition, the microscope offers an increased productivity by improved user interface and data handling.

The difference between Airyscan2 (confocal-based super-resolution) and ZEISS Elyra 7 with Lattice SIM (newly developed lattice structured illumination-based super-resolution suitable for live imaging) will also be discussed.



Masako Yamaguchi (ZEISS Research Microscopy Solutions) will give technical overview, followed by demonstration at the microscope system. Please register the session and specify the slot you prefer by **December 6** using the **Registration URL** below. Please contact Takahiro Fujiwara (tfujiwara@icems.kyoto-u.ac.jp) for further details.

## Date & Time

- Slot 1: Monday, December 23, 2019 13:00-14:00 (Japanese)
- Slot 2: Monday, December 23, 2019 15:00-16:00 (Japanese)
- Slot 3: Tuesday, December 24, 2019 13:00-14:00 (Japanese)
- Slot 4: Tuesday, December 24, 2019 15:00-16:00 (English)

## Place

Technical overview:

Room 119 of Research Bldg. No.1 (#32) at Main Campus of Kyoto University

Demonstration:

ZEISS-iCeMS Innovation Core (Room 304 of Research Bldg. No.1 Annex)

**Registration URL:** <https://forms.gle/akmTbaQvHbPqSEkv5>

Organized by:

iCeMS Analysis Center/ZEISS-iCeMS Innovation Core

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