

# March 28, 2022

## Online Seminar:

### Towards fast and gentle super-resolution microscopy

Super-resolution fluorescence microscopy is rapidly evolving the field of biomedical research. Recent technical developments are mainly focused on fast and gentle observation of dynamic cellular structures ranging from mesoscale (20~500 nm) molecular assemblies to highly organized cell organelles.

In this online seminar, first, the scientific lecture on the development of novel fluorescent proteins to improve observations of various cellular processes is given by Dr. Atsushi Miyawaki (RIKEN CBS).

Next, the technical lecture on the features of two ZEISS super-resolution microscopes "Elyra 7 with Lattice SIM<sup>2</sup>" and "LSM 980 with Airyscan 2", available at ZEISS-iCeMS Innovation Core, is given by Dr. Klaus Weisshart (ZEISS Jena, Germany).

Elyra 7 was just installed as shared equipment of MaCBES (Main Campus Base of Equipment Support), Kyoto University in December 2021. After the seminar, we will have onsite demonstration sessions for Elyra 7 using your samples (about 2 hrs each) on March 29, 30 and 31.

Please register for the online seminar and the onsite demonstration session by **March 18** from the Registration URL below. Zoom meeting information will be announced by e-mail.

**Date:** March 28 (Mon), 2022

14:00 – 14:45

**Atsushi Miyawaki** (RIKEN CBS)

Title: Continuity in Space and Time

14:45 – 15:45

**Klaus Weisshart** (ZEISS Jena, Germany)

Title: Latest developments in confocal and widefield based super-resolution microscopy using the example of Carl Zeiss Airyscan 2 and ELYRA 7

**Language:** English

**Registration:** <https://forms.gle/Xtr4skoksw4zSpK67>

**Contact:** Takahiro Fujiwara (tfujiwara@icems.kyoto-u.ac.jp) of iCeMS, Kyoto University

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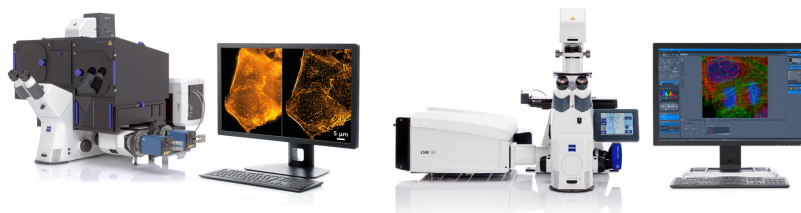
iCeMS Analysis Center (<https://www.analysis.icems.kyoto-u.ac.jp/>) and

Campus Base of Equipment Support (MaCBES; <https://macbes.kufsc.kyoto-u.ac.jp/>)

Co-organized by:

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