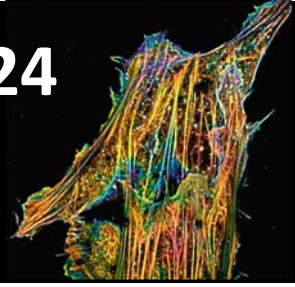


# Okinawa Microscopy Workshop 2024

An all-expenses-paid Microscopy and Image Analysis Workshop  
for life scientists working in Japan and Southeast Asia



For more information and to register, please go to: <https://www.aicjanelia.org/okinawa2024>

**Location:** Okinawa Institute of Science and Technology (OIST), Okinawa, Japan

**Workshop Dates:** 2-7 April 2024

**Application Deadline:** 15 November 2023

This 6-day intensive workshop is organized by the Okinawa Institute of Science and Technology (OIST) and the Advanced Bioimaging Support platform (ABiS) in partnership with the Advanced Imaging Center (AIC) at HHMI Janelia Research Campus, USA. The workshop is open to life scientists working in Japan and Southeast Asia. The expenses are entirely covered for all attendees.

All communications and interactions during the workshop will be conducted strictly in English.

Participants will learn how to properly devise and execute microscopy experiments to quantitatively address complex biological questions. The curriculum will include both theory and practical sessions, and cover the following topics:

- Fundamentals of optics, digital detectors, and fluorescence molecules.
- Widefield, laser scanning confocal, spinning disk confocal, TIRF, and two-photon microscopy.
- Advanced imaging techniques, such as FRAP, light sheet, and super-resolution microscopy.
- Sample preparation and maintenance of specimens for live imaging.
- Digital image processing and quantitative image data analysis.
- Developing skills in recognizing scientific bias, scientific communication, proposal writing, and reporting of microscopy data.
- Keynote talks by Atsushi Miyawaki (RIKEN) and Hari Shroff (HHMI Janelia Research Campus).

The workshop is more than a training program. It will also be a platform for interaction and sharing research interests to foster a collaborative Japanese-Southeast Asian imaging community.

If you have any questions, please email us: [aic@janelia.hhmi.org](mailto:aic@janelia.hhmi.org)

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