



Institute of Experimental
Botany of the AS CR, v. v. i.

Imaging Facility

Institute of Experimental Botany ASCR - IFIEB, Prague

www.ueb.cas.cz/if

invites you to the workshop

Multi-modal light microscopy imaging in plant research

October 19-20, 2022



The two-day course **Multi-modal light microscopy imaging in plant research** is focused on live-cell confocal fluorescence microscopy. The course is intended for plant researchers, PhD students and highly motivated pregraduate students. After a theoretical introduction, participants will have an opportunity to compare, at a glance, light microscopy modalities of the IFIEB.

Hands on exercises and demonstrations will include

- i) long-term non-invasive imaging utilizing plant-optimized vertical-stage microscope;
- ii) ultrafast simultaneous two-channel imaging on spinning disk microscope and
- iii) high-resolution imaging with Airyscan 2 with multiplex mode.

Special emphasis will be given to the tips and tricks for sample preparation and experimental design. Participants are encouraged to discuss their specific experiments and bring their own biological samples.

Workshop is free of charge for students and academic, however **registration is required**. Please send e-mail to:

ifieb@ueb.cas.cz

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