

Imaging Facility

Institute of Experimental Botany ASCR - IFIEB, Prague

www.ueb.cas.cz/if

Multi-modal light microscopy imaging in plant research October 19-20, 2022

Programme:	
Day 1:	
09:30 - 09:45	Introduction and organization details
09:45 - 11:15	Pavel Krist - Introduction to fluorescence microscopy
11:15 - 11:30	Coffee break
11:30 - 12:00	Kateřina Malínská - Light microscopy methods for plant research - do not stress out your sample
12:00 - 13:00	Lunch break
13:00 - 15:00	Hands-on session A in 3 parallel groups
15:00 - 16:30	Imaging of participants' samples; get together coffee, snacks & discussion
Day 2:	
09:30 - 10:00	Jan Petrášek - Advanced fluorescence microscopy in plants – comparison of different microscopy approaches
10:00 - 10:15	Coffee break
10:15 - 12:15	Hands-on session B in 3 parallel groups
12:15 - 13:00	Lunch break
13:00 - 15:00	Hands-on session C in 3 parallel groups
15:00 - 16:00	Final discussion, feedback form

Hands on will include:

LONG-TERM IMAGING – Ivan Kashkan: vertical-stage microscope; long-term imaging with tile-scan; long-term imaging with tracking algorithm; application of gravistimulus.

