

## Research Day of the Microscopy Imaging Center



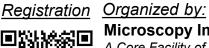
UNIVERSITÄT Bern

Wednesday, June 26, 2024, from 09:30 to 16.00 DCBP U113, UniBE, Freiestrasse 3, 3012 Bern

09:30	Registration and Coffee	
10:00	Welcome, MIC board	The MIC - from the beginnings to the latest highlights
10:10	Peter Gehr Institute of Anatomy	How microscopy became a university affair
10:25	Session 01, introduction	The power of light microscopy in very different applications.
10:30	Li Xin Theodor Kocher Institute	Using Near-Infrared imaging to assess the cerebrospinal fluid flow in EAE animal model
10:50	Isabel Schultz-Pernice Institute of Virology and Immunology	Elucidating mpox virus neurovirulence mechanisms with advanced imaging techniques and 3D organoids
11:10	Saiko Yoshida Institute of Plant Sciences	Quantitative image analysis of plants from cells to organs
11:30	Nicholas James Desnoyer University of Zurich	Capturing Plant Development at Scales
11:50	<b>Lindsay Bussau</b> Optiscan Imaging Ltd	Application of in vivo confocal laser endomicroscopy and its feasibility in routine diagnosis of surgical cancer specimens
12:00	Lunch & Meet experts of the MIC	
13:00	Session 02, introduction	Structural analysis: Computer tomography and electron microscopy
13:05	Oleksiy-Zakhar Khoma Institute of Anatomy	Micro(angio)CT in preclinical dental research
13:25	Alicia Borgeaud IBMM	The behaviour of Apaf1 in apoptotic cells unveil apoptosome organization and dynamics in vivo.
13:45	<b>Divyansh Gautam</b> <i>DCBP</i>	Structural and Compositional Insights on Alloy Nanoparticles used in Electrocatalysis by ElectronMicroscopy
14:05	PhD Cutting Edge Microscopy	Highlights of the last 12 months
14:10	Dimitri Vanhecke, UniFR	MIC Symposium 2024 «BioInspired Materials», 15 Nov 2024
14:15	Coffee and Networking	
14:45	Arne Seitz, EPFL & LS <sup>2</sup>	LS <sup>2</sup> Intersection Microscopy
14:55	Session 03, introduction	Live cell imaging and advanced image analysis
15:00	Matias Preza Institute of Parasitology	Parasites in focus, understanding tapeworm biology and how to make their life complicated
15:20	Reto Lang Institute of Virology and Immunology	Investigating the role of (stress) granules during virus infections
15:40	Benjamin Towbin Institute of Cell Biology	Growth control from cells to organisms: live imaging across scales
16:00	Farewell	

The MIC Research Day 2024 is accredited for 0.5 days of continued education in animal experimentation in the Canton of Bern





## Microscopy Imaging Center (MIC)

A Core Facility of the University of Bern with active participation of



the Faculty of Medicine, the Faculty of Science and the Vetsuisse Faculty.