



Research Day of the Microscopy Imaging Center

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UNIVERSITÄT
BERN

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

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

Supported by

PhD specialization program
"Cutting Edge Microscopy"

Registration

Organized by:



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.

