



Research Day of the Microscopy Imaging Center



UNIVERSITÄT
BERN

Date Wednesday June 28, 2023, from 10:00 to 16.00
Location University of Bern, UniS, Schanzeneckstrasse 1, 3012 Bern
Information https://www.mic.unibe.ch/events/mic_research_day_2023
Accreditation 0.5-day credit for continued education in animal experimentation in the Canton of Bern

09:30	Registration and coffee.	
10:15	Welcome. Britta Engelhardt, Michael Raissig and Ruth Lyck. <i>Microscopy Imaging Center (MIC), UniBE.</i>	
10:30	Paola Luciani <i>DCBP, SCI, UniBE.</i>	Exploring bioinspired and bioderived therapies for steatosis and fibrosis
10:55	Benoît Zuber, <i>Institute of Anatomy, MED, UniBE</i>	Invitation to the mini-symposium on July 5, 2023 in honor of the commissioning of new electron microscopes.
11:00	Irina Bregy <i>Institute of Anatomy, MED, UniBE</i>	Cryo-electron tomography sheds light on the elastic nature of the Trypanosoma brucei tripartite attachment complex
11:25	Hana Hanzlikova <i>Institute of Animal Pathology, VET, UniBE</i>	Detection of ADP-ribosylation and DNA repair defects leading to human disease
11:50	Nikolaos Droseros <i>GMP - General microtechn. & photonics</i>	Three optically-synchronized channels for 2P multibeam excitation
12:00	Lunch & Networking	
12:50	Martin Sadowski <i>Inst. of Tissue Med. a. Path., MED, UniBE</i>	Discovery powered by the speed of light: Multiparametric quantitative single-cell imaging of 2D and 3D cancer models
13:15	Darko Stojkov <i>Institute of Pharmacology, MED, UniBE</i>	Molecular mechanisms of neutrophil extracellular trap (NET) formation-Unique experience by confocal microscopy
13:40	Javier Pareja Román <i>Theodor Kocher Institute, CEM, UniBE</i>	Imaging the central nervous system immune privilege
14:00	Cutting Edge Microscopy (CEM) <i>the PhD specialization program</i>	Award of certificates for graduates of the CEM PhD program
14:05	Coffee & Networking	
14:30	Guillaume Witz <i>Data Science Lab (DSL), UniBE</i>	Introduction of the new DSL unit and its services for microscopy
14:35	Mykhailo Vladymyrov <i>Data Science Lab, UniBE</i>	Image analysis and automation for neuroimmunology studies
15:00	Ora Hazak <i>Dep. of Biology, University of Fribourg</i>	Studying plant receptor-ligand signaling using fluorescence life time imaging
15:25	Sophia Fochler (Gluenz lab) <i>Institute of Cell Biology, SCI, UniBE</i>	Imaging the structure and function of a motile flagellum
15:55	Farewell	

Supported by CEM PhD program



Registration



Organized by:

Microscopy Imaging Center (MIC), UniBE
a collaborative initiative of
the Faculty of Medicine,
the Faculty of Science and
the Vetsuisse Faculty.

