



# Symposium of the Microscopy Imaging Center

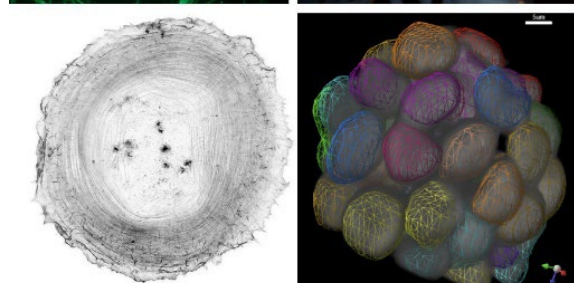
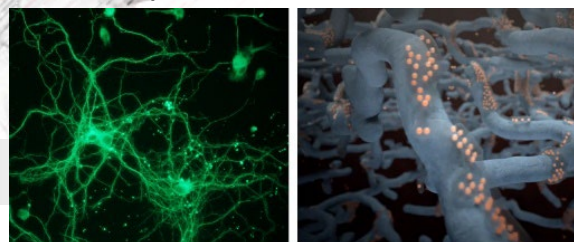


## Imaging cellular dynamics across scales

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UNIVERSITÄT  
BERN

<b>Date</b>	Friday November 18, 2022, 9:30 – 17:00
<b>Location</b>	University of Bern, UniS, lecture hall S003, Schanzeneckstrasse 1, 3012 Bern
<b>Scientific committee</b>	Olivier Pertz & Christian Soeller
<b>Organized by</b>	Microscopy Imaging Center (MIC) of the University of Bern, <a href="http://www.mic.unibe.ch">www.mic.unibe.ch</a>
<b>Approved</b>	0.5-day credit for continued education in animal experimentation in the Canton of Bern

09:30	Registration and welcome coffee	
10:15	Welcome by MIC Board and scientific committee of the meeting	
10:20	Introduction into the topic “Imaging cellular dynamics”	
	<b>Session 1, Chair: Olivier Pertz Imaging cellular and subcellular structures</b>	
10:30	Francesca Peri Department of Molecular Life Sciences, UZH	Brain imaging across scales: studying neuronal-immune interactions during the development of the CNS
11:10	Suliana Manley Department of Physics, EPFL	Mysteries and insights into mitochondrial structure and dynamics
11:50	Charles William Amirmansour Agilent	The Agilent BioTek Cytation C10 Technology: A revolutionary and modular tool for smarter detection, characterization, and screening
12:00	<b>Certificate award</b> to the graduates of the CEM PhD program.	
12:10	Lunch and industry exhibition	
	<b>Session 2, Chair: Christian Soeller Imaging organoids and the ABC of fluorescent proteins</b>	
13:10	Albert Schürer Prospective Instruments	Cellular time-lapse imaging in live Zebrafish and 3D Cell culture using Two-Photon Microscopy
13:20	Miki Ebisuya EMBL, Barcelona	Synthetic developmental biology: Cross-species comparison and manipulation of organoids
14:00	Joachim Goedhart Swammerdam Institute for Life Sciences & University Amsterdam	An ABC of fluorescent proteins: advances, brightness and considerations
14:40	Arina Rybina EMBL, Heidelberg	Euro-BiolImaging: Opportunities for Open User Access & Research within the European Landscape
14:55	Coffee and industry exhibition	
	<b>Session 3, Chair: Yury Belyaev Imaging molecular signals</b>	
15:30	Wolf Heusermann Zeiss	Visualization of cellular dynamics - different scales, unique and common challenges
15:40	Olivier Pertz Institute of Cell Biology, UniBE	Self-organization of MAPK signaling dynamics in epithelial cellular ecosystems
16:20	Christian Soeller Institute of Physiology, UniBE	Nano-domain regulation of cardiac myocyte calcium release
17:00	Conclusions and farewell by scientific committee	



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Registration

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