Symposium of the Microscopy Imaging Center  
MIC

Big data in light and electron microscopy

Friday December 8th 2017, 10:00-16:30
Langhans Auditorium, Institute of Pathology, University of Bern, Inselspital, Entrance 43A

Program

10:00  Britta Engelhardt  
MIC Chair, TKI, University of Bern  

Welcome

10:10  Rainer Pepperkok  
EMBL, Heidelberg, DE  

Imaging based single-cell biology at large scale

10:50  Pavel Tomancak,  
MPI CBG, Dresden, DE  

BigDataViewer (BDV): a computational framework for visualisation and analysis of big bioimages

11:30  Lukas Pelkmans  
IMLS, University of Zürich, CH  

Single-molecule and multiplex imaging for systems biology

12:10  Florian Eich  
Olympus, Hamburg, DE  

More context - more data: confocal macro to micro imaging with FV3000  
in (front of the lecture hall)

12:30  Lunch

14:00  Misha Kudryashev  
MPI BP, Frankfurt, DE  

Structure of membrane proteins in situ by high resolution subtomogram averaging

14:40  Rainer Friedrich  
FMI, Basel, CH  

Neuronal connectomics and computations in the zebrafish brain

15:20  Ohad Medalia  
University of Zurich, CH  

The structural basis of nuclear lamin organization

16:00  Harry Brandenberger  
Gloor, Kloten, CH  

Shifting the bottleneck from acquisition to data processing: high-throughput electron microscopy

16:20  Ruth Lyck  
MIC Coordinator

Approved for 0.5 day credit for continued education in animal experimentation

Registration: http://www.mic.unibe.ch/symposium

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