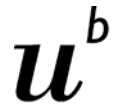




Symposium of the Microscopy Imaging Center  
**MIC**



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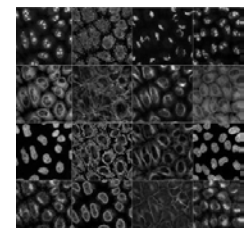
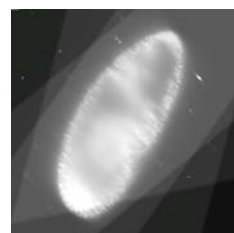
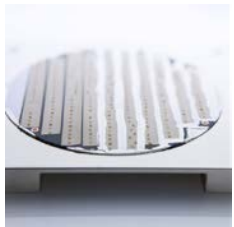
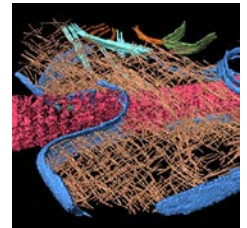
# Big data in light and electron microscopy

Friday December 8<sup>th</sup> 2017, 10:00-16:30

Langhans Auditorium, Institute of Pathology, University of Bern,  
Inselspital, Entrance 43A

## Program

- |   |   |   |
|---|---|---|
| 10:00   | <b>Britta Engelhardt</b><br>MIC Chair, TKI,<br>University of Bern | Welcome   |
| Session I. Chair Olivier Pertz,<br>University of Bern |   |   |
| 10:10   | <b>Rainer Pepperkok</b><br>EMBL, Heidelberg, DE                   | <i>Imaging based single-cell biology at large scale</i>   |
| 10:50   | <b>Pavel Tomancak</b> ,<br>MPI CBG, Dresden, DE                   | <i>BigDataViewer (BDV): a computational framework for visualisation and analysis of big bioimages</i>   |
| 11:30   | <b>Lukas Pelkmans</b><br>IMLS, University of Zürich, CH           | <i>Single-molecule and multiplex imaging for systems biology</i>  |
| 12:10   | <b>Florian Eich</b><br>Olympus, Hamburg, DE                       | <i>More context - more data: confocal macro to micro imaging with FV3000</i>                            |
| 12:30   | <b>Lunch</b>  | <i>(in front of the lecture hall)</i>   |
| Session II. Chair Benoit Zuber,<br>University of Bern |   |   |
| 14:00   | <b>Misha Kudryashev</b><br>MPI BP, Frankfurt, DE                  | <i>Structure of membrane proteins in situ by high resolution subtomogram averaging</i>                  |
| 14:40   | <b>Rainer Friedrich</b><br>FMI, Basel, CH                         | <i>Neuronal connectomics and computations in the zebrafish brain</i>                                    |
| 15:20   | <b>Ohad Medalia</b><br>University of Zurich, CH                   | <i>The structural basis of nuclear lamin organization</i>   |
| 16:00   | <b>Harry Brandenberger</b><br>Gloor, Kloten, CH                   | <i>Shifting the bottleneck from acquisition to data processing: high-throughput electron microscopy</i> |
| 16:20   | <b>Ruth Lyck</b><br>MIC Coordinator                               | Closing remarks   |



Approved for 0.5 day credit for continued education in animal experimentation

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

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