

Symposium of the Microscopy Imaging Center



3D Electron Microscopy

UNIVERSITÄT BERN

Date Friday November 19, 2021, 9:30 – 17:00

Location University of Bern, UniS, lecture hall S003, Schanzeneckstrasse 1, 3012 Bern

Scientific committee Prof. Wanda Kukulski, Prof. Michael Stoffel, Dr. Dimitri Vanhecke, Prof. Benoît Zuber

Approved for

0.5-day credit for continued education in animal experimentation in the Canton of Bern

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09:30	- Redistration.	Covid-certificate	CONTROL	. and Collee

- 10:00 Welcome by Vice-rector or Dean of University of Bern (will be added soon), with guest Prof. Gregor Rainer, Dean of the Faculty of Science and Medicine, of University of Fribourg.
- 10:15 Electron microscopy at the University of Bern, presented by Prof. Benoît Zuber.

Session 1, Chair: Prof. Wanda Kukulski and Dr. Dimitri Vanhecke **Insights into virology by electron cryo-tomography**

- 10:30 Prof. Montse Barcena Viral replication organelles revisited by cellular cryo-Leiden University Medical Center tomography
- 11:05 Dr. Petr Chlanda In cellulo cryo-CLEM provides structural snapshots of Uni Heidelberg influenza A virus membrane fusion events
- 11:40 **Farewell** of Prof. Nadia Mercader, former scientific director of the CEM PhD program. **Certificate award** to the 2021 graduates of the CEM PhD program.
- 12:00 Lunch at Welle 7, Restaurant the flow

Session 2. Chair: Prof. Benoît Zuber and Prof. Michael Stoffel **Pushing the limits of structural biology**

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13:15	Philippe Léonnard Cytiva	Micro purification for cryoEM applications

- 13:30 Dr. Sasha De Carlo Optimisation of cryoEM sample preparation with the SPT Labtech Chameleon
- 14:05 Dr. Julia Kowal
 ETH Zurich cryoEM studies of oligosaccharyl transferase
- 14:40 **Farewell** of Prof. Michael Stoffel, Laudatio by Prof. Britta Engelhardt, Chair of the MIC board.
- 14:55 Coffee and industry exhibition
- 15:20 Electron microscopy at the University of Fribourg, presented by Dr. Dimitri Vanhecke.

Session 3. Chair: Dr. Dimitri Vanhecke and Prof. Michael Stoffel A glimpse on 3D electron microscopy at University of Bern

15:30 Prof. Benoît Zuber Intra- and Intercellular Alignment of Respiratory Cilia - A Serial Block Face SEM Study

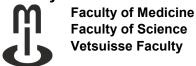
16:05 Prof. Wanda Kukulski Institute of Biochemistry and Molecular Medicine, UniBE

Visualising the architecture of organelle contact sites by correlative microscopy

16:40 Conclusions and farewell by scientific committee

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Registration



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