

Symposium of the Microscopy Imaging Center



Machine learning in imaging

Friday November 29, 2019, 9:30 – 17:00 **Date**

Location University of Bern, UniS, lecture hall A003, Schanzeneckstrasse 1, 3012 Bern

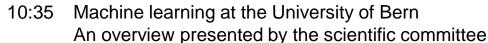
Scientific committee Inti Zlobec, Guillaume Witz, Raphael Sznitman, Mauricio Reyes

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

09:30	Welcome	coffee and	registration
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10:30 Welcome: Hans-Uwe Simon, Dean of the Medical Faculty David Spreng, Dean of the Vetsuisse Faculty Britta Engelhardt, President of the MIC

Session 1. Chairs: Inti Zlobec, Raphael Sznitman



10:45 Jean-Philippe Thiran Inverse problems in ultrasound imaging: Efficient EPFL, Lausanne, CH modeling, sparse regularization and neural Keynote networks

11:30 Anna Kreshuk Image segmentation at scale EMBL, Heidelberg, DE

12:00 Michael Schell Teacher or student? How to teach AI to pick correct Cenibra GmbH, DE confocal microscopy images

12:15 Lunch and industry exhibition Session 2. Chairs: Guillaume Witz, Mauricio Reyes

13:45 Inti Zlobec Digital pathology in translational research University of Bern, CH

14:15 Andrew Janowczyk Computational pathology: Lausanne Univ. Hospital, CH Towards precision medicine

David Pointu 14:45 Advantages of IN Carta Phenoglyphs™ HCA GE Healthcare AG, CH machine learning module

Session 3. Chairs: Mauricio Reyes, Raphael Sznitman

Coffee and industry exhibition

15:30 **Gergely Kovach** High resolution whole tissue imaging for 3D Sysmex Suisse AG, CH analysis

Ender Konukoglu On Bayesian models with networks for 15:45 ETH Zürich, CH reconstruction and detection

16:15 **Christine Decaestecker** Segmentation of histopathological images: How to University of Brussels, BE reduce the supervision needs for deep learning

Supported by Organized by Registration

Microscopy Imaging Center University of Bern

Faculty of Medicine Faculty of Science Vetsuisse Faculty

Conclusions and farewell

http://www.mic.unibe.ch/symposium_ registration.php











15:00





A DIGITAL PIXEL BRAND















