

Bern Data Science Initiative (BeDSI)

BeDSI Launch Event

Monday, 06.12.2021, 15.00-18.00

PROGRAMME (Hybrid Event, with live streaming)

https://www.bedsi.unibe.ch/about/bedsi_launch_event/

15:00-15:05: *Opening/Introduction* (Christiane Tretter, MAI)

15:05-15:35: *Three Talks from three Faculties*

15:05-15:15: Paolo Favaro (Phil.-nat., INF),

Deep Learning: Overview and Insights

15:15-15:25: Tobias Hodel (Phil.hist., Dig.Hum.),

Manuscript Studies and Machine Learning: How to Analyze Pre-Modern Text in the Digital Age

15:25-15:35: Raphael Sznitman (Med., ARTORG/CAIM),

Eye to Eye with AI: Bringing personalised medicine to ophthalmology

15:35-16:00: *Panel Discussion* (Johanna Ziegel, IMSV):

Panelists of UL and ID

Panelists of core BeDSI members: Stefan Broennimann (GIUB/Oeschger), Sebastian Leidel (DCBP),

Mauricio Reyes (ARTORG), Christiane Tretter (MAI)

16:00-16:30: *Coffee Break* (HG, Cafeteria UG)

16:30-16:40: *Organization of BeDSI* (Christiane Tretter, MAI)

16:40-17:50: *Four Talks of Core BeDSI Members*

16:40-16:57: Britta Engelhardt (TKI/MIC),

Automated analysis of T cell interactions with the blood-brain barrier under physiological flow

16:57-17:14: David Ginsbourger (IMSV),

Parsimonious, Targeted Data Acquisition Strategies with Spatial Statistics

17:16-17:33: Claudia Bank (IEE),

Fitness Landscapes, and the Predictability of Evolution - Statistical and Computational Challenges

17:33-17:50: Adrian Jaeggi (AIUB),

Satellite Orbit Determination for Earth Sciences and Sustainability

17:50-18:00: *Closing address*

NOTE: There will be a special security concept for speakers in the lecture hall.