

CPC 2019

SCHEDULE



MONDAY, 02.09.
CLINICAL PSYCHIATRY



TUESDAY, 03.09.
MODELING BASICS,
MODELS OF PERCEPTION & LEARNING



WEDNESDAY, 04.09.
MODELS OF DECISION MAKING,
BIOPHYSICAL MODELS &
MACHINE LEARNING



THURSDAY, 05.09.
APPLICATIONS OF
COMPUTATIONAL PSYCHIATRY



FRIDAY, 06.09.
PRACTICAL TUTORIALS



ABOUT

This course is designed to provide students across fields (neuroscience, psychiatry, physics, biology, psychology....) with the necessary toolkit to master challenges in computational psychiatry research. The CPC Zurich is meant to be practically useful for students at all levels (MDs, Master, PhD, Postdoc, PI) coming from diverse backgrounds (neuroscience, psychology, medicine, engineering, physics, etc.), who would like to apply modeling techniques to study learning, decision-making or brain physiology in patients with psychiatric disorders. The course will teach not only the theory of computational modeling, but also demonstrate software in application to example data sets.

SPEAKERS

Woo-Young **Ahn**
Dominik **Bach**
Michael **Browning**
Philip **Corlett**
Tore **Erdmann**
Olivia **Faull**
Stephen **Fleming**
Stefan **Frässle**
Claire **Gillan**
Samuel **Harrison**
Jakob **Heinzle**
Roland **von Känel**
Andre **Marquand**
Christoph **Mathys**
Martin **Paulus**
Frederike **Petzschner**
Lionel **Rigoux**
Dario **Schöbi**
Philipp **Schwartenbeck**
Klaas Enno **Stephan**
Wes **Thompson**
Lilian **Weber**
Thomas **Wolfers**
Yu **Yao**
Ariel **Zylberberg**
and **more...**

SPECIALS

- *Panel Discussion*
- *Free sightseeing tour through Zurich*
- *Lunch Lottery*
- *Speaker Lunch Lottery*

PRACTICAL TUTORIALS

- *Bayesian Learning*
- *Active Inference*
- *Model Inversion*
- *Reinforcement Learning*
- *Machine Learning*
- *Advanced Models of Whole Brain Connectivity*
- *Dynamic Causal Modeling*
- *Metacognition*

ORGANIZER

Klaas Enno Stephan
Frederike Petzschner
Administration: Heidi Brunner
Contact: Nicole Zahnd & Katharina Wellstein
cpcourse@biomed.ee.ethz.ch

REGISTRATION

www.translationalneuromodeling.org/cpcourse/



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Zurich UZH



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Swiss Federal Institute of Technology Zurich



Computational Psychiatry Group



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