



SCHEDULE

CPC 2017

MONDAY, 28.08.2017

PSYCHIATRY

7:30	8:30	Registration	
8:30	8:45	Welcome & overview	Frederike Petzschner
8:45	9:15	Introduction to Computational Psychiatry	Klaas Enno Stephan
9:15	10:05	Affective Disorders	Dominik Bach
10:05	10:35	Break	
10:30	11:20	Addiction	Quentin Huys
11:20	12:10	Autism	Helene Haker-Rössler
12:10	14:10	Lunch	
14:10	15:00	Schizophrenia	Stefan Kaiser
15:00	16:00	Panel Discussion: Open Questions in Psychiatry	Lead: Martin Paulus

TUESDAY, 29.08.2017

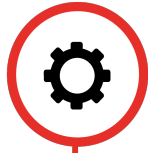
BAYESIAN INFERENCE & MACHINE LEARNING

8:30	8:45	Introduction to Day 2	Klaas Enno Stephan
8:45	9:20	Modeling Basics	Klaas Enno Stephan
9:20	10:30	Bayes Models for Perception	Frederike Petzschner
10:30	11:00	Break	
11:00	12:30	Hierarchical Bayesian Inference (Theory & Software)	Christoph Mathys
12:30	14:30	Lunch	
14:30	16:00	Predictive Coding (Theory & Software)	Lilian Weber
16:00	16:30	Break	
16:30	18:00	Machine Learning Techniques (Theory & Software)	TBA

WEDNESDAY, 30.08.2017

PLANNING & DECISION-MAKING

8:30	8:45	Introduction to Day 3	Klaas Enno Stephan
8:45	10:15	Markov Decision Processes (Theory & Software)	Frederike Petzschner & Lionel Rigoux
10:15	10:45	Break	
10:45	12:15	Reinforcement Learning (Theory & Software)	Woo-Young Ahn
12:15	14:15	Lunch	
14:15	15:45	Active Inference (Theory & Software)	Philipp Schwartenbeck
15:45	16:15	Break	
16:15	17:45	Drift-Diffusion Model	Rafal Bogacz



SCHEDULE

CPC 2017

THURSDAY, 31.08.2017

8:30	8:45	Introduction to Day 4	Klaas Enno Stephan
8:45	10:15	DCM for fMRI (Theory & Software)	Jakob Heinzle & Hanneke den Ouden
10:15	10:45	Break	
10:45	12:15	DCM for EEG (Theory & Software)	Dario Schöbi & Andreea Diaconescu
12:15	14:15	Lunch	
14:15	15:45	Bayesian Model Selection and Averaging (Theory & Software)	Stefan Frässle & Saeed Paliwal
15:45	16:15	Break	
16:15	17:45	Model inversion: Markov Chain Monte Carlo and Variational Bayes	Eduardo Aponte & Jean Daunizeau

BIOPHYSICAL MODELS
& MODEL TOOLS

FRIDAY, 01.09.2017

8:30	8:45	Klaas Enno Stephan
8:45	9:35	Joshua Gordon
9:35	10:05	Break
10:05	10:55	Roshan Cools
10:55	11:55	Panel Discussion
11:55	14:00	Lunch
14:00	14:50	Michael Frank
14:50	15:40	Peter Dayan
15:40	16:10	Break
16:10	17:00	Karl Friston
17:00	17:50	Xiaoqi Gu

MODEL APPLICATION