WELCOME TO THE COMPUTATIONAL PSYCHIATRY COURSE

TNU, Zurich 2015

ORGANISATIONAL ISSUES

Saturday   12 December 2015 / 8:30-17:20 h / HG E3 ETH Centre
Sunday   13 December 2015 / 8:30-16:50 h / HG E3 ETH Centre
Monday   14 December 2015 / 8:30-17:00 h / HIL E3 ETH Hönggerberg
Tuesday   15 December 2015 / 8:30-17:50 h / HG E3 ETH Centre

Sunday 13 December 2015 17:00-19:00: Free walking tour through Zurich!
Who is interested and hasn't signed up???
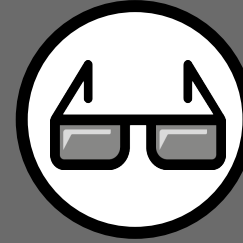
COURSEBINDER

THE SCHEDULE

THE SOFTWARE

COURSE LOCATION

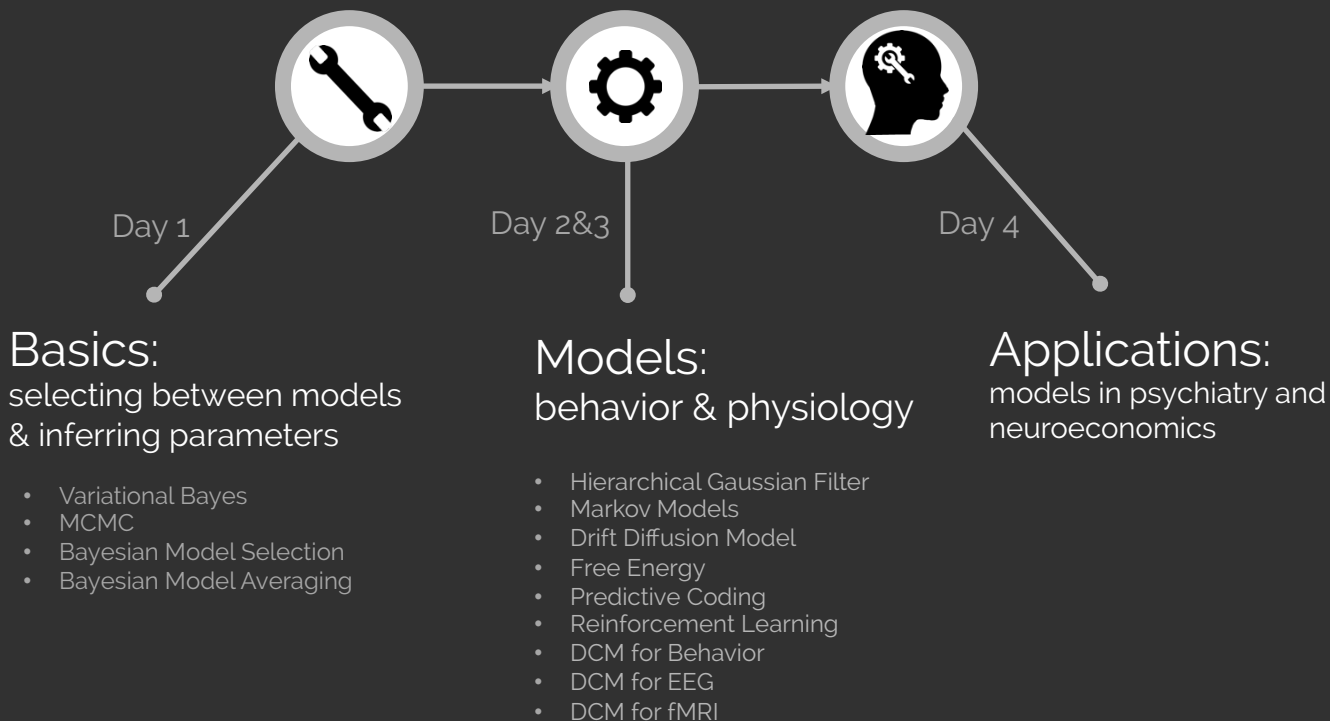**LUNCH LOCATION**

CHEAT SHEET

FURTHER READING

THE TEAM

COURSESTRUCTURE

Day 1

Day 2&3

Day 4

Basics:
selecting between models
& inferring parameters

- Variational Bayes
- MCMC
- Bayesian Model Selection
- Bayesian Model Averaging

Models:
behavior & physiology

- Hierarchical Gaussian Filter
- Markov Models
- Drift Diffusion Model
- Free Energy
- Predictive Coding
- Reinforcement Learning
- DCM for Behavior
- DCM for EEG
- DCM for fMRI

Applications:
models in psychiatry and
neuroeconomics

ENJOY
ASKQUESTIONS
GETSOCIAL