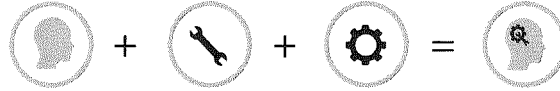




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CERTIFICATE OF ATTENDANCE

This is to certify that

Renato Duarte

attended the **Computational Psychiatry Course 2017** at the Translational Neuromodeling Unit, University of Zurich & ETH Zurich. This five-day course (28.08.-01.09.2017) was designed to provide students with the necessary toolkit to master challenges in computational psychiatry research. The course not only taught the theory of computational modeling, but also demonstrated open source software in application to example data sets.

- Day 1: Basics in psychiatry: autism, mood disorders, schizophrenia, addiction.
- Day 2: Bayesian Inference & Machine Learning (i.a. Bayesian Models for Perception, Hierarchical Bayesian Inference, Predictive Coding, Machine Learning)
- Day 3: Models of Planning & Decision Making (i.a. Markov Decision Processes, Reinforcement Learning, Active Inference, Drift-Diffusion Model)
- Day 4: Biophysical Models & Model Inversion (DCM for fMRI and EEG, Bayesian Model Selection, Bayesian Model Averaging, MCMC, Variational Bayes)
- Day 5: Computational Psychiatry Applied

Zurich, 28.08.17

Prof. Klaas Enno Stephan, MD Dr.med. PhD
Director, Translational Neuromodeling Unit