

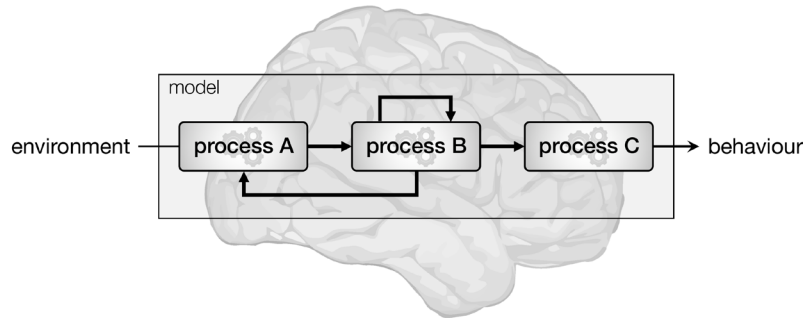
Inserm Workshop 259

Introduction to computational neuropsychiatry: from brain to behavior with a quantitative approach

REGISTRATION DEADLINE: October 4, 2019

ORGANIZERS: Stefano PALMINTERI (Inserm U960, Paris), Valentin WYART (Inserm U960, Paris)

AIMS: To provide physicians and researchers (in both the public and private sector) with the theoretical and methodological tools necessary to design, implement and communicate clinical research in this growing field.



● ● ● PHASE I – CRITICAL ASSESSMENT

December 2-4, 2019 in Bordeaux

MODELING BEHAVIOUR IN HEALTH AND DISEASE

Stefano PALMINTERI (Inserm U960, FRA), Laura FONTANESI (University of Basel, CHE), Antoine NEBOUT (INRA, FRA)

MODELLING BRAIN ACTIVITY IN HEALTH AND DISEASE

Valentin WYART (Inserm U960, FRA), Jean DAUNIZEAU (ICM, FRA)

NEUROLOGICAL DISEASES: PARKINSON, TOURETTE, HUNTINGTON

Valerie VOON (University of Cambridge, GBR), Raphaël LE BOUC (ICM, FRA), Yulia WORBE (ICM, FRA)

PSYCHIATRIC DISEASES: ADDICTION, DEPRESSION

Mehdi KERAMATI (University College London, GBR), Ruth van HOLST (University of Amsterdam, NLD), Camilla NORD (University of Cambridge, GBR)

ANIMAL MODELS: OBSESSIVE COMPULSIVE DISORDER, ANXIETY

Eric BURGUIÈRE (ICM, FRA), Anna BELEYER (University of Bordeaux, FRA)

PSYCHIATRIC DISEASES: AUTISM, SCHIZOPHRENIA

Rebecca LAWSON (University of Cambridge, GBR), Renaud JARDRI (Université de Lille, FRA)

ROUND TABLE: ETHICAL CONSIDERATIONS

Maël LEBRETON (University of Geneva, CHE)

● ● ● PHASE II – TECHNICAL WORKSHOP

March 3-5, 2020 in Paris

The technical part aims to provide an introduction and training on some of the fundamental and applicative aspects covered during the theoretical course.

Day 1

Morning: class (Design of online «large scale» cognitive experiments)

Afternoon: tutorial (Implementation of a «large scale» cognitive experiment using JAVA scrip)

Day 2

Morning: class (Computational analyses of behavioral data)

Afternoon: tutorial (Implementation of Computational analyses of behavioural data using Matlab)

Day 3

Morning: class (Classical and Computational analyses of brain data)

Afternoon: tutorial (Implementation of Classical and Computational analyses of brain data using Matlab)

SELECTION: Min 20 - Max 40 trainees will be selected among Phase I participants

Information and registration:
ateliers@inserm.fr