

Inserm Workshop 276

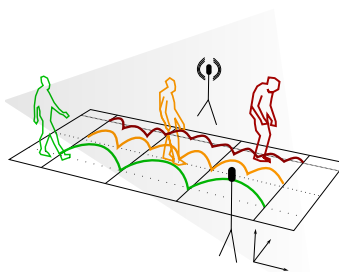
New machine learning methods for animal and human behavioral analysis



REGISTRATION DEADLINE: June 30, 2023

ORGANIZERS: Stéphanie DAUMAS (Sorbonne Université, FRA), Nicolas GERVASI (Collège de France, FRA) and Karim N'DIAYE (Institut du Cerveau, FRA)

AIMS: The workshop will present recent advances in the study of human and animal behaviour using artificial learning algorithms. The available tools, technical choices and modelling aspects will be presented and applied to a large panel of behavioural scales and models.



PHASE I – CRITICAL ASSESSMENT

October 16-18, 2023 in Bordeaux

DATA ACQUISITION IN AN OPENSOURCE WORLD

Philippe FAURE (ESPCI, FRA), Romain FAYAT (ENS, FRA) and Alexxai KRAVITZ (Washington University St Louis, USA)

USE OF MACHINE LEARNING METHODS TO ANALYZE DETAILED BEHAVIOR AT THE INDIVIDUAL SCALE

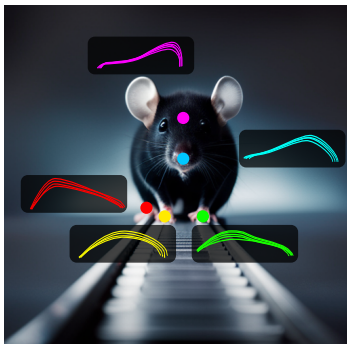
Alexander MATHIS (EPFL, CHE), Lizbeth MONDRAGON (ICM, FRA), Robert DATTA (Harvard, USA) and Elim HONG (IBPS, FRA)

USE OF MACHINE LEARNING METHODS TO ANALYZE SOCIAL INTERACTION AND GROUPS

Elodie EY (IGBMC, FRA), Gonzalo POLAVIEJA (Champalimaud, PRT) and Camilla BELLONE (Université de Genève, CHE)

FROM BIG DATA TO BEHAVIOR MODELING

Georgia KOPPE (Central Institute of Mental Health, DEU) and Juha LAHNAKOSKI (Institute for Neuroscience and Medicine, DEU)



PHASE II – TECHNICAL WORKSHOP

November 6-10, 2023 - Neuroscience Paris Seine and Brain Institut in Paris

In Phase II, participants will be invited to apply with their specific project.

Practice 1 (2 days): Data collection session. These sessions will provide project-specific hands-on behavioural experiments. Participants will be divided according to their behavioural project.

Practice 2 (3 days): Analysis session. The two groups will be reunited for this session. The aim of this session is to provide the participants with project-specific support and to equip them with tools to advance their research.

SELECTION: 8 trainees will be selected among Phase I participants.

Information and registration:
<https://ateliersinserm.dakini-pco.com>