

PROGRAMME DOCTORAL ROMAND EN PSYCHOLOGIE

DOCTORAL PROGRAM IN PSYCHOLOGY | WESTERN SWITZERLAND

LE PROGRAMME EST OUVERT AUX DOCTORANTS EN PSYCHOLOGIE ET OFFRE LA POSSIBILITÉ DE:

- Développer des savoir-faire méthodologiques
- Acquérir des compétences dans le domaine de la recherche qui soient transférables sur le marché du travail non-académique
- Favoriser le réseautage scientifique

THE PROGRAM WELCOMES ALL PHD STUDENTS IN PSYCHOLOGY AND GIVES THE OPPORTUNITY:

- To develop methodological skills
- To acquire research expertise that is transferable to the non-academic job market
- To favor scientific networking



PROGRAMME DOCTORAL ROMAND
PSYCHOLOGIE
Doctoral Program in Psychology | Western Switzerland

PSYCHOLOGIE@CUSO.CH
PSYCHOLOGIE.CUSO.CH

Course: June 2-4, 2025

Evaluation: June 6, 2025

Approximately 25 hours of training (1 ECTS)

Number of participants: Maximum 16 (8 groups of 2 students)

EEG I : Best practices for recording an EEG

Prof. David Pascucci, FBM, The Sense, CHUV/Unil

Dr. Maëlan Menétrey, FBM, The Sense, CHUV/Unil

Dr. Paolo Ruggeri, Décanat, SSP Unil

Dr. Jérôme Barral, ISSUL, SSP Unil

This workshop is intended for PhD students (possible registration for post-doctoral fellows if there are enough places) who are interested in conducting studies using electroencephalography (EEG) on human subjects. The main goal of this workshop is to develop basic skills to correctly record and clean individual raw data files for more specific analyses. The contents will be discussed at the theoretical and practical level to promote learning consolidation. It is recommended to come with our own laptop.

Inscription/Registration : <https://psychologie.cuso.ch/les-cours/>

Programme

Course 1 (8h): June 2, 2025

8:30 AM – 12:30 PM
Room 2235 – Géopolis

Theoretical aspects of EEG studies

- Origin of the EEG signal
- EEG recording chain
- EEG recording demo and signal quality

Lecturers:

Paolo Ruggeri, SSP, UniL

1:30 PM – 3:30 PM (2 gr. of 2 pers.)
3:30 PM – 5:30 PM (2 gr. of 2 pers.)
Rooms 1310 & 1311 – EEG Labs,
Géopolis LERB (see map)

Recording an EEG

Paolo Ruggeri, SSP, UniL
Jérôme Barral, SSP, UniL

Course 2 (8h): June 3, 2025

8:30 AM – 10:30 AM (2 gr. of 2 pers.)
10:30 AM – 12:30 PM (2 gr. of 2 pers.)
Rooms 1310 & 1311 – EEG Labs,
Géopolis LERB (see map)

Recording an EEG

Lecturers:

Paolo Ruggeri, SSP, UniL
Jérôme Barral, SSP, UniL

2:00 PM – 6:00 PM
Room 2218 – Géopolis

EEG Data Preprocessing

- Presentation of the main steps
- Group work: Applying preprocessing to the collected data

David Pascucci, FBM,
The Sense, CHUV/UniL
Maëlan Menétrey, FBM,
The Sense, CHUV/UniL

Course 3 (8h): June 4, 2025

9:00 AM – 5:00 PM
Room 2218 – Géopolis

EEG Data Analysis

- Overview of main analysis methods
- Group work: Applying analysis to data from Course 2

Lecturers :

Paolo Ruggeri, SSP, UniL
Jérôme Barral, SSP, UniL
David Pascucci, FBM,
The Sense, CHUV/UniL
Maëlan Menétrey, FBM,
The Sense, CHUV/UniL

Evaluation (3h): June 6, 2025

9:00 AM – 12:00 PM
Via Zoom

Group project oral presentations and discussion

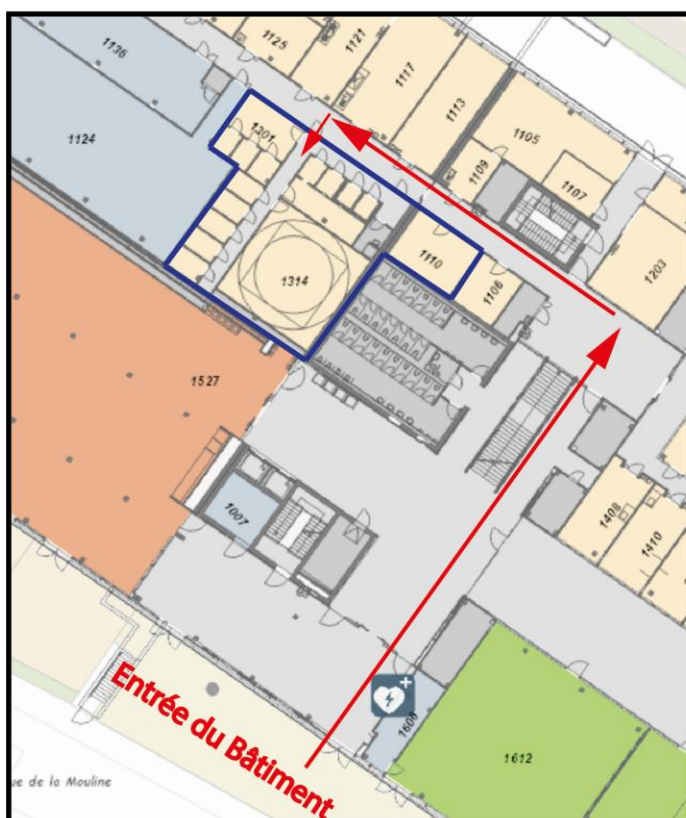
Lecturers :

Paolo Ruggeri, SSP, UniL
Jérôme Barral, SSP, UniL

Map

Lab rooms for the "EEG Recording " sessions

LERB - Bâtiment Géopolis



Setups expérimentaux

Salles 1308-11
Salle 1312
(contrôle 1308-11)

Grandes salles



Salle 1314



Salle expe 1110

Salles comportementales



Salles 1301a-c

Salle 1303 (contrôle 1314)

