

Location: Lyon, France

Type of contract: 2 years (1 year renewable once), Full Time

Offer starting date: 10/2021

The Lyon Neuroscience Research Center (CRNL) is seeking a motivated and enthusiastic postdoctoral researcher to join the competitive and friendly Memory, Error and Learning (MEL) group.

Our project aims at identifying crucial neural computations during learning from errors in humans using machine-learning analyses applied to neural recordings (mainly magneto- and electro-encephalography, M-EEG) and interventional strategies to modulate learning skills (non-invasive brain stimulation and mental training). State-of-the-art neuroimaging technics (MEG, EEG, MRI, intracranial recordings), brain stimulation methods (TMS, tDCS) behavioral equipment (eye-tracker) and access to high-computing clusters are available on the campus. This position involves the design of experiments, their execution, analysis, write-up and dissemination (publications, talks and posters).

The successful candidate will be joining a diverse team performing cutting-edge computational neuroscience on learning processes located at the Lyon Neuroscience Research center (CRNL). The CRNL is a multidisciplinary leading neuroscience institute integrating 18 teams and aiming at a comprehensive understanding of brain functions with a constant effort of translating research to clinic or societal improvements. The successful candidate will be supervised by Dr. Romain Quentin within the MEL group (www.romainquentin.fr) and will have the opportunity to closely collaborate with the EDUWELL (<https://www.crnl.fr/en/equipe/eduwell>), COPHY (<https://www.crnl.fr/en/equipe/cophy>) and MEMO (<https://www.memoteam.org/>) teams. The start date is October 2021 but is negotiable within few months. This call will be opened until filled.

Salary will be in accordance with INSERM agreement and based on research experience and qualification (~3000 € gross monthly salary for a postdoc with 2 to 4 years of research experience).

Applicant specifications

- PhD in neuroscience or machine-learning
- A strong academic track record including publications in leading journals
- A strong interest in fundamental and applied neuroscience
- Advanced computational and programming skills (Python preferred)
- Excellent communication skills (Fluency in written and spoken English)
- A proactive and goal-directed attitude, good organizational skills;

How to apply?

Please send the following documents to romain.quentin@inserm.fr:

- A cover letter briefly describing your past research and how it fits with our research
- A CV with a publication list
- Two letters of recommendations