UNIL | Université de Lausanne
Faculté de biologie et de médecine

PhD position at MySpace Lab, Department of Clinical Neurosciences, Lausanne University Hospital Center in Lausanne (CHUV), Switzerland – Direction Prof. Andrea Serino

full time, 3-4 years funding available

This position is filled in the context of a new research program, "Cognitive Immunity", run by MySpace Lab, in collaboration with the Jandus Lab, University of Geneva, and the groups led by Gregoire Eberl and Lledo, Pierre-Marie, at the Institut Pasteur, Paris. The project is funded by a SINERGIA grant by the Swiss National Science Foundation (SNSF).

The project aims at investigating the cross-talk between the neural system and the immune system orchestrating anticipatory responses to potential immune threats. MySpace lab is in charge of developing virtual reality (VR)-based protocols to investigate the behavioral, neuroimaging and psychophysiological components of the neuro-immune cross-talk.

We are looking for a curious, open-minded student who will be in charge to run psychophysics and neuroimaging experiments for the project. She/he will be part of a multidisciplinary team at MySpace lab, including senior post-docs, with strong expertise in the field and VR developers.

The ideal candidate should have past experience in running experiments with human participants and analyzing experimental data. She/he should have a versatile profile, with a curiosity towards both quantitative methods and experimental design. Candidates expected background is at least a *master in neurosciences, experimental psychology, biomedical engineering, computer science, physics, mathematics, biology* or a comparable degree.

The student will receive a *degree in neuroscience from the Lemanic Neuroscience Doctoral School* (http://www.unil.ch/ln/en/home/menuinst/ln-doctoral-school.html) which provides high level training in both theoretical and experimental aspects of neuroscience.

Our research group has a highly recognized background in cognitive neuroscience and a strong network to the neuroscience-research community in Europe and in the US. We provide a collaborative and dynamic environment, access to state-of-the art experimental equipment and a rare unique opportunity to work at the interface between fundamental and clinical research. Our laboratories are situated in the Department of Clinical Neurosciences of the Lausanne University Hospital and at the new Neurorehab research Center at the Hospital of Lavigny, and has close collaborations with the EPFL, Universities of Applied Science and neurotech industry (e.g., MindMaze), besides the project partners. This represents an ideal environment to conduct both basic and translational research. The multidisciplinary nature of the project will require frequent exchanges with the Swiss and French partners.

Earliest starting date is October 2022.
For further information, contact Dr Petr Grivaz (petr.grivaz@chuv.ch)

Applications, including a letter of motivation, CV, a list of publications and the names and phone numbers of 2 references should be sent to the following e-mail address: petr.grivaz@chuv.ch