



The Institute of Neuroscience - UCLouvain - Belgium PhD Position - Rhythm & Brains Lab

Researchers within the Systems and Cognitive Neuroscience division (COSY) of the Institute of Neuroscience (IONS) in Brussels, Belgium, seek to understand the neural mechanisms underlying perceptual, cognitive and motor functions in humans.

Located in the COSY division of the Institute, the Rhythm & Brains Lab currently offers a

PhD position

as part of a research project funded by the European Research Council (ERC Starting Grant RHYTHM AND BRAINS, PI Sylvie Nozaradan).

The project investigates the neural mechanisms that underpin the ability to perceive and synchronize to musical rhythm. These mechanisms will be examined by combining surface and invasive electroencephalography (EEG), brain magnetic/electrical stimulation and behavioral indices of rhythmic entrainment in humans, together with development of signal processing methods to track the neural activity related to rhythm (e.g. frequency tagging).

The candidate should hold a M.A. or equivalent in a relevant discipline, for example psychology, hearing science, neuroscience. The candidate should have experience in designing experiments, collecting and analyzing human data using Matlab or equivalent software. The candidate should also have good communication skills in English, and be open to international collaboration (France, Australia).

The successful candidate will receive a tax free monthly stipend according to Belgian standards for up to 3 years (with extra months extension possible). Applications should be sent preferably before December 10, 2019 (for starting date January 2020), but later applications will be considered until the position is filled.

Please submit a detailed CV, a summary of research interests and experience, writing samples if available, and names of two references, as a single pdf to Dr. Sylvie Nozaradan (sylvie.nozaradan@uclouvain.be).