Postdoctoral Fellow position at the Montreal Neurological Institute, McGill University - ANPHY Lab

Program description

Dr Birgit Frauscher’s Lab for Analytical Neurophysiology is seeking to hire a Postdoctoral Fellow interested in neurophysiological research on mechanisms of sleep and epilepsy (https://www.mcgill.ca/frauscher-lab/).

The Fellow will work to further develop the human sleep intracranial EEG atlas (MNI Open iEEG Atlas; https://mni-open-ieegatlas.research.mcgill.ca/) and related projects combining multimodal electrophysiology, neuropsychology, and neuroimaging data from a large-scale international multicenter project. He/she will be based at the MNI (Montreal, Quebec) and will work in a highly multidisciplinary environment (neurosciences, engineering, epileptology, and neuropsychology).

The Fellow will have the opportunity to conduct advanced electrophysiology studies in a clinical population (adults with drug-resistant epilepsy) by analyzing previously collected multimodal human data (intracranial and scalp EEG, memory tasks, and anatomical MRI). Salary will be determined according to the level of training and past experiences and meet McGill University requirements. This appointment will be renewable on a yearly basis, contingent on satisfactory performance. At the moment funding is secured for 3 years.

Academic qualifications required

- PhD degree (or close to completion) in neuroscience, (bio)medical engineering, or a related discipline
- Strong programming skills in Matlab and/or Python is a prerequisite
- Strong signal processing skills of neurophysiology data (EEG, MEG)
- Experience with analysis of sleep EEG, intracranial EEG, or epilepsy is an asset
- Excellent organizational skills, autonomy and good writing skills
- Productive publication record in internationally recognized journals
- Fluency in English

To apply for this position, please send a motivation letter, your CV along with a list of 2 individuals who can provide references to Dr Birgit Frauscher to the following email address: frauscher.lab@gmail.com

The applications will be reviewed as they are received and will continue until the position has been filled. Only the selected candidates will be contacted. Start date is flexible, but preferably no later than April 01, 2020.