



Research position in network neuroscience

Brain networks underlying stroke recovery

A research position in the area of network neuroscience is available at the Brain and Spine Institute (ICM) in Paris.

The successful candidate will work with Dr. Fabrizio De Vico Fallani and Prof. Charlotte Rosso in the collaborative project “Brain Network Models Of Motor Recovery After Stroke” (ATTACK), funded by the ICM.

The project aims to develop innovative methods to model and analyze **longitudinal brain connectivity networks**, and to apply these tools to establish **predictive models of functional recovery after stroke**.

The successful candidate will be comfortable with **EEG recording and preprocessing, functional brain connectivity, and network science**. The main responsibilities consist in supervising EEG experiments, performing data analysis, interpreting the results, and writing scientific/technical reports. Additionally, co-supervision of graduate and PhD students can be required.

The position will be integrated closely with the existing collaborative environment. The candidate is expected to be a team-player with excellent communication and writing skills. Applicants will have strong quantitative analytical skills, experimental experience with EEG recordings as well as with tools for their processing (eg Brainstorm, Eeglab, Fieldtrip).

Proficiency in relevant programming languages (eg MATLAB, R, Python) is required. Working experience with stroke patients is desirable.

Specific requirements:

- PhD/doctorate in eg Biomedical/Neural Engineering, Computer Science, Statistics, Network science, Neuroscience (or any other relevant field)
- Evidence of published peer-reviewed research / data analysis software development
- Excellent skills in written/spoken English and basic knowledge of French
- Strong motivation

Terms and conditions:

- Position is to start 1 September 2018
- Position is available from 1 to 2 years
- Gross salary 2800-3200 euros/month depending on experience
- Financial support for catering and transportation expenses

Application:

To apply, please e-mail (fabrizio.devicofallani@gmail.com and charlotte.rosso@gmail.com) your cover letter and CV (in one pdf file) including names of 2-3 referees and up to 3 reprints (also in pdf format).