PhD student and postdoctoral researcher in neuroscience

Applications are invited for one PhD student and one postdoctoral researcher in neuroscience, at the University of Bern. The research focus will be on studying the neural and computational mechanisms underlying the generation of sensory predictions. To this aim, the employed student and postdoc will design computational models of learning and will combine those with electrophysiological recordings in humans to investigate predictive processes in the auditory modality, in wakefulness and sleep.

Our group is using scalp and intracranial electroencephalography -EEG- recordings, machine learning and computational modeling techniques, as well as single-unit measurements in humans. The positions will be based at the Institute for Computer Science and Faculty of Medicine at the University of Bern in Switzerland, under the supervision of Athina Tzovara.

Requirements for the postdoc position

We are looking for candidates with a PhD in neuroscience, biomedical engineering, computer science, or a related discipline. Experience with computational modeling, analyzing scalp or intracranial electrophysiological data, and programming in Python or R are a big plus.

Requirements for the PhD position

Candidates should have a master in neuroscience, biology, biomedical engineering, or a related discipline. Experience with EEG data, as well as programming skills in Python, R or Matlab are highly desirable.

What we offer

We are offering access to scalp and intracranial EEG recordings in an interdisciplinary and international research environment. Funding for these positions is available for 3 years, according to Swiss National Science Foundation regulations.

Applications

Applications will be accepted until the positions are filled. The first review of applications will begin on 25th November 2019. If you are interested, please send one pdf-document including your CV, a brief statement of research interests, and the contact details of two referees to: Athina Tzovara: athina.tzovara@inf.unibe.ch
Informal inquiries are welcome.