

## Student / Ph.D. Student in EEG Research

The Czech Academy of Sciences, Institute of Scientific Instruments

We offer a position in the Computational Neuroscience research team. Our team consists of neuroscience Ph.D. students, post-docs, senior researchers, and clinicians with close collaboration with International Clinical Research Center in Brno, Czech Republic; Mayo Systems Electrophysiology Laboratory in Rochester, MN, USA; and Montreal Neurological Institute in QC, Canada.

The job will cover intracranial EEG signal processing, big data analysis, machine learning, and data management focusing on human brain electrophysiology and neurological diseases research (spectral analysis, detection of electrophysiological events in EEG, localization of epileptogenic tissue, seizure dynamics, cortical and deep brain stimulations). Active participation in original research projects with the potential to publish in peer-reviewed journals and present at international conferences.

**Location:** Královopolská 147, Brno, Czech Republic

**Position starts on:** June 1, 2022

**Duration:** 1 year, renewable

**FTE:** negotiable (minimum 0,4 (16 hours/week), maximum 1 (40 hours/week))

**Preferred skills:** Programming in Python (C, Matlab), familiar with Git, experience with signal processing, statistics, machine learning, PostgreSQL.

Applicants should preferably be students of Bachelor, Master's or Ph.D. program in Biomedical Engineering, Information Technologies, Data Science or similar.

**Required documents:** CV, cover letter

**Application deadline:** May 15, 2022

Please send your application to

Petr Klimeš,

E-mail : [klimes@isibrno.cz](mailto:klimes@isibrno.cz)

<http://isibrno.cz/en/computational-neuroscience>