Research internship in auditory perception EEG research

(150-300 hrs, 30-50% workload, negotiable)

As part of ongoing research on auditory perception, we are looking for a motivated individual to complete a research internship at the Institute of Computer Science, Cognitive Computational Neuroscience Group. This internship will focus on conducting experiments with healthy volunteers and collecting EEG data. During the experiments participants will listen to natural sounds. The aim of this study is to understand the neural mechanisms involved in auditory perception and memory.

The main task of the internship is to conduct EEG studies, including participant recruitment and support, data collection, preparation, and follow-up. You will conduct a series of EEG experiments in which participants listen to natural sounds and respond to occasional repeated sounds. You will also have the opportunity to contribute to preprocessing and to annotating both the presented stimuli and the electrophysiological data (e.g., text annotations, artifact detection). Through this work, you will gain practical insight into experimental research and laboratory work.

The research internship is unpaid but can be credited as an internship in Psychology. If interested, the internship can subsequently be extended to include a thesis.

Requirements

- Interest in experimental psychological research
- Reliable, proactive, and independent work ethic
- Willingness to learn about EEG data collection and analysis
- Availability for daytime EEG recording sessions
- Advantageous (but not necessary): Basic understanding of EEG

What we offer

- Insight into modern experimental, auditory, and neurophysiological research
- Opportunity to learn about EEG research design and data analysis
- Opportunity to deepen and further develop additional skills (e.g. EEG data pre-processing and analysis, programming in Python and/or R), depending on your interests
- Close, dynamic mentoring with regular exchange

Start date: Early 2026, by arrangement

If you are interested or have any questions, please contact: Dr Magdalena Kachlicka magdalena.kachlicka@unibe.ch

Lab website: https://neuro.inf.unibe.ch/