

The (Neuroinformatics research group (Prof. Dr. Gordon Pipa) of the **Institute of Cognitive Science** invites applications for a

**Research Assistant (m/f/d)**  
**(Salary level E 13 TV-L, 50%)**

to be filled as soon as possible for a period of 3 years.

**Description of Responsibilities:**

The position involves participation in the research activities of the Neuroinformatics group. Our main research topics are centered on how cognitive functions are implemented in the brain. This includes design and analysis of EEG Experiments including recordings during sleep as well as the use and development of machine learning approaches in order to analyse EEG data and to unravel the information processing principles in the brain.

The position includes teaching Cognitive Science courses at B.Sc. and M.Sc. level (2 hours/week) and allows to work towards a PhD.

**Required Qualifications:**

- Applicants are expected to have an excellent academic degree (Master/Diploma) and excellent knowledge in the field of neuroscientific principles of information processing in the sleeping brain, as well as knowledge in sleep EEG data analysis to pursue the goal of applying and customizing a mobile EEG system for automatic sleep phase detection. Experience with in-laboratory sleep studies using polysomnography is highly encouraged.
- Experience or a strong interest in machine learning, i.e. generalized linear and state space models, as well as virtual reality, and timeseries analysis is welcome.
- A good command of the English language is mandatory.

Osnabrück University is a certified family-friendly university and is committed to helping working/studying parents balance their family and working lives.

Osnabrück University seeks to guarantee equality of opportunity for women and men and strives to correct any gender imbalance in its schools and departments.

If two candidates are equally qualified, preference will be given to the candidate with disability status.

Applications with the usual documentation should be submitted by e-mail in a **single** PDF-file to the Director of the Institute of Cognitive Science ([office@ikw.uni-osnabrueck.de](mailto:office@ikw.uni-osnabrueck.de)) no later than **October 07, 2020**. Further information can be obtained from Prof. Dr. Gordon Pipa ([gpipa@uni-osnabrueck.de](mailto:gpipa@uni-osnabrueck.de)).