

The Machine Learning research group (Prof. Dr. Tim Kietzmann) of the Institute of Cognitive Science invites applications for

**1 Postdoctoral Researcher (m/f/d)  
(Salary level E 13 TV-L, 100%)**

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

The position can be held full-time or part-time.

**Description of Responsibilities:**

The position involves active participation in the research activities of the EU-funded Project "*It's about time: Towards a dynamic account of natural vision*". The project combines large-scale MEG neuroimaging with computational modelling using recurrent neural networks. It aims to establish when, where, and how visual semantic understanding emerges in the brain, as it actively samples and integrates information from the world in a continuously updating and dynamic decision process.

**Required Qualifications:**

- An academic degree (Master/Diploma) as well as an excellent PhD degree in a relevant field (e.g. machine learning, cognitive computational neuroscience, cognitive science, artificial intelligence, etc.).
- Excellent scientific programming skills in Python (ideally including TF/pytorch).
- Experience and strong research interests in the area of deep learning, ideally with a focus on large-scale computational neural network modelling in the subdomain of visual computational neuroscience and semantics.
- Experience in the design, training and analysis of non-standard neural network models, to be trained via supervised/unsupervised and reinforcement learning signals.
- An excellent command of the English language in written and spoken form.

Osnabrück University is a 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 **March 31, 2023**. Further information can be obtained from Prof. Dr. Tim Kietzmann ([tim.kietzmann@uni-osnabrueck.de](mailto:tim.kietzmann@uni-osnabrueck.de)).