



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Research Assistant - salary grade 13 TV-L Berliner Hochschulen - for qualification

part-time employment may be possible

Faculty V – Institute of Psychology and Ergonomics / Chair of Biological Psychology and Neuroergonomics

Reference number: V-278/25 (starting at 01/10/25 / for max 2 years / closing date for applications 01/09/25)

Working field:

Assisting with the development and coordination of a larger grant proposal in the research area of Environmental Neuroscience. The proposed project will combine state of the art multimodal data collection and analyses approaches from real-world and lab-based Neurourbanism experiments in combination with remote sensing and local microclimate data.

The incumbent will support the PI with coordinating and leading meetings of collaborating partners, to structure and support collaborative efforts during the first phase of the proposal development. In addition, the incumbent will be responsible for conducting an more experiments collecting and analyzing multimodal physiological (EEG-DOT or EEG-NIRS-MRI) and additional sensor data in a stationary and/or mobile protocol, publishing the results in international outlets. The applicant has to teach 4 SWS.

You will have the unique opportunity to work with an internationally leading team of researchers from TU Berlin, Charité Berlin, and Max Planck Institute Berlin, together with international collaboration partners using state-of-the art mobile brain imaging modalities as well as established MRI approaches. We will offer excellent opportunities in using outstanding laboratory infrastructures and expertise in machine learning approaches applied to complex multimodal data. The TU Berlin and collaborating partners offer an excellent and stimulating environment for pursuing a career in cognitive neuroscience benefitting from exchanges with leading experts from other departments at the TU Berlin as well as the Humboldt Universität, Freie Universität, and the Charité Berlin.

The possibility of a doctorate is given.

Requirements:

- successfully completed university degree (Diplom, Master or equivalent) in computational neuroscience, cognitive neuroscience, psychology or a related field
- very good knowledge in using at least one of the following physiological measurement (EEG/NIRS/DOT/MRI) as proven by previous publications
- excellent knowledge of statistics and very good programming skills in Python, MATLAB and/or R
- excellent oral and written English skills (C1 level); English is the working language in the project

Desirable:

- experience in conducting and analysing more than one of the listed brain imaging methods and previous experience in the field of Environmental Neuroscience/Neurourbanism
- knowledge of machine learning and multimodal data fusion approaches are desirable
- experience with mobile and stationary eye movement measurements is desirable

Please send your application with the **reference number** and the usual documents (should include a CV, a brief statement of research experience and interests, academic achievements and, if possible, names of 2 referees **only by email** (combined in a single pdf file with max. 5 MB) **to office@bpn.tu-berlin.de**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/ or quick access 214041.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

The vacancy is also available on the internet at <https://www.personalabteilung.tu-berlin.de/menue/jobs/>

