



Technische Universität Berlin offers an open position:

## Research Assistant - salary grade E13 TV-L Berliner Hochschulen

part-time employment may be possible

The Collaborative Research Center Foundations of Workflows for Large-Scale Scientific Data Analysis (FONDA) develops new methods and Data Analysis Workflows to support scientists, who work with infrastructures to analyze very large datasets. Within FONDA the "Language and Communication in Biological and Artificial Systems" group of Prof. Fatma Deniz at TU Berlin will address the problem of effective exchange and reuse of parts of workflows in the domain of cognitive neuroscience and functional neuroimaging. The overall goal of this project to facilitate scientific reproducibility.

### Faculty IV - Institute of Software Engineering and Theoretical Computer Science / Language and Communication in Biological and Artificial Systems

Reference number: IV-501/24 (starting at 01/10/24 / limited until 30/06/2028 / closing date for applications 27/09/24)

#### Working field:

- developing a data analysis workflow from data to result using a computational modeling framework of brain signals
- analyzing and extending existing neuroimaging workflows for data preprocessing and data modeling
- developing real-time recommendations for data preprocessing and modeling steps during Data Analysis Workflow execution, ensuring high data quality and reliable analysis results

#### Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) in Computer Science or related fields (Engineering, Computational Neuroscience)
- very good programming skills (Python)
- extensive hands-on experience with Jupyter Notebooks
- good knowledge in fMRI data analysis
- ability to work in interdisciplinary projects
- good knowledge of German and/or English required; willingness to acquire the respective missing language skills

#### Desirable Qualifications:

- Experience in research
- Knowledge in agile project management and iterative software development methodologies

Please send your application **with the reference number** and the usual documents exclusively by e-mail to Prof. Dr. Fatma Deniz at [deniz@tu-berlin.de](mailto:deniz@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 guaranty 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/](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.

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

