

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Psychology**, the **Neuroimaging Center** offers a position as

Research Associate (m/f/x)

(subject to personal qualification, employees are remunerated according to salary group E 13 TV-L)

starting **as soon as possible**. The position is initially limited to three years, with the possibility of extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims at obtaining further academic qualification (usually habilitation thesis).

The **Neuroimaging Center (NIC)** at TUD is a technology platform jointly operated by the **Faculty of Psychology** and the **Faculty of Medicine Carl Gustav Carus**. It provides research groups at the university with access to modern neuroscientific methods, including:

- 3 Tesla Siemens Prisma magnetic resonance imaging (MRI) scanner with extensive equipment, including MRI-compatible 64-channel electroencephalography (EEG), eye tracker, peripheral physiological measurement devices, functional near-infrared spectroscopy (fNIRS), and various systems for audio and video presentation.
- Multimodal neurostimulation, including transcranial magnetic stimulation (TMS), transcranial focused ultrasound stimulation (tFUS), and high-definition transcranial direct current stimulation (HD-tDCS).
- Behavioral measurements and physiological recordings, including facilities for computer-based behavioral experiments, eye tracking, and electromyography (EMG).
- Wet laboratory facilities, e.g., for blood sample collection.

Tasks:

- Conducting scientific research and development work in MRI projects
- Further development and practical implementation of innovative measurement and data analysis methods
- Providing scientific and methodological support and consultation in the implementation of neuroscientific studies and the scientific processing and analysis of research data, as well as providing technical and methodological support to users and research groups at the NIC in resolving methodological and technical issues
- Developing and implementing suitable procedures for scientific data management in collaboration with the Center for Information Services and High-Performance Computing (ZIH)
- Participating in academic teaching and academic self-governance, e.g., by supporting the NIC governing body in scientific and organizational tasks
- There is also the opportunity to initiate and conduct independent research projects in collaboration with research groups at the NIC. Such initiatives are welcome and explicitly supported.

Requirements:

- university degree and completed PhD in psychology, neuroscience, physics, or a related field, as well as knowledge of neuroscientific methods and analysis
- Excellent computer and programming skills in relevant programming languages (e.g. Python, MATLAB), experience with MRI data processing, and broad expertise in cognitive neuroscience methods are particularly important. These skills should be demonstrated through research experience and relevant publications.
- strong communication skills and experience working in teams, as well as experience in academic supervision (e.g., supervising theses)

- Ability, in collaboration with the NIC core team, to set up and maintain technical infrastructure, including devices for stimulus presentation and response recording in MRI environments, or combinations of MRI and other neuroscientific measurements with peripheral physiological recordings.
- Proficiency in English, German language skills are not mandatory. However, the successful applicant is expected to acquire sufficient German language skills within the first year after taking up the position to ensure smooth communication with all user groups and participants.

We offer:

- work in an interdisciplinary neuroscience research environment with a wide range of scientific questions
- collaboration within a motivated team of MR physicists, methodological experts, technicians, medical technical assistants, and neuroscientists
- support from student assistants, e.g., for programming tasks
- close cooperation with the Center for Information Services and High-Performance Computing and access to large-scale computing clusters
- public-sector benefits, including occupational pension provision, a family-friendly working environment, affordable childcare facilities, and flexible working hours

For further information about the position, please contact: Prof. Philipp Kanske (philipp.kanske@tu-dresden.de)

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a family-friendly university. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Application: Please submit your detailed application with the usual documents (cover letter, CV, contact details, PDFs of three scientific publications, and contact details of at least two academic references) by **September 28, 2026** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf file to sekretariat.nic@mailbox.tu-dresden.de or to:

TU Dresden, Faculty of Psychology, Neuroimaging Center, Prof. Philipp Kanske, Helmholtzstr. 10, 01069 Dresden, Germany.

Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

TUD is a founding partner in the DRESDEN-concept alliance.

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Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: <https://tu-dresden.de/karriere/datenschutzhinweis>.