

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in Germany. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. 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, Institute of General Psychology, Biopsychology and Methods of Psychology**, the **Chair of Cognitive and Clinical Neuroscience** (Prof. Katharina von Kriegstein) offers a position as

Research Associate / PhD student (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 3 years with the option of extension and entails 75% of the full-time weekly hours. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification (usually PhD).

Tasks: using high-resolution neuroimaging to test for predictive coding mechanisms in the human sensory pathway in typically developed populations as well as in populations with developmental dyslexia. The project is based on prior work of our group listed [here](#).

Requirements: university degree (master or equivalent) in neuroscience, psychology, cognitive science, or a related field. Candidates should have a strong interest in sensory aspects of human communication and experience with at least one experimental method of cognitive neuroscience (e.g., psychophysics, functional or structural MRI, neurostimulation), analysis software (e.g., JASP) or programming language (e.g., matlab, python). Experience with special populations (e.g., developmental dyslexia) would be an asset but is not essential.

The setting:

- TU Dresden is one of eleven German Universities of Excellence. It provides an outstanding scientific infrastructure. The successful candidate will be based at the Chair of Cognitive and Clinical Neuroscience. The Chair is part of [ReDyslexia](#), which is a research consortium of neuroscientists and clinicians that have the aim (1) to better understand sensory pathway dysfunction in developmental dyslexia, and (2) to directly use this knowledge for improving treatment strategies. ReDyslexia includes studies in humans with developmental dyslexia as well as experiments in animal models.
- Experiments will be performed at the TUD Neuroimaging Centre ([NIC](#)). The NIC is equipped with a research-only MRI machine (Siemens 3T Prisma), MRI-compatible EEG, eye-tracking and noise-cancellation headphones, and a neurostimulation unit including TMS, tDCS, and tFUS. The experimental facilities are supported by experienced physics and IT staff. For computational work, there is access to the Centre for Information Services and High Performance Computing at TU Dresden.
- The TU Dresden [Graduate Academy](#) offers a comprehensive training programme and individual career advice for early career researchers. The Dresden-concept [Welcome Center](#) facilitates the start in Dresden for international researchers.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. 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.

Please submit your detailed application (cover letter that briefly describes your personal qualifications and future research interests, CV, and contact details of 2 personal references) by **November 6, 2024** (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 with the **subject line "Thal2024"** to julia.herdin@tu-dresden.de or to: **TU Dresden, Fakultät Psychologie, Institut für Allgemeine Psychologie, Biopsychologie und Methoden der Psychologie, Professur für Kognitive und Klinische Neurowissenschaft,, Frau Prof. Katharina von Kriegstein, Helmholtzstr. 10, 01069 Dresden, Germany.** Please submit copies only, as your application will not be returned to you.

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>.