TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. 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 Educational and Developmental Psychology**, the **Chair of Lifespan Developmental Neuroscience** 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 at the earliest possible date. The position is initially limited until September 30, 2025 with the option for extension. 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.

The Chair of Lifespan Developmental Neuroscience investigates neurocognitive mechanisms underlying perceptual, cognitive, and motivational development across the lifespan. The main themes of our research are neurofunctional mechanisms underlying lifespan development of memory, cognitive control, reward processing, decision making, and multisensory perception. We also pursue applied research to study effects of behavioral intervention, non-invasive brain stimulation, or digital technologies in enhancing functional plasticity for individuals of difference ages. We utilize a broad range of neurocognitive (e.g., EEG, fNIRs, fMRI, tDCS) and computational methods. The lab has several testing rooms and is equipped with multiple EEG (64-channel and 32-channel) and fNIRs systems, as well as eye-tracking and virtual-reality devices. The MRI scanner (3T) and TMS-device can be accessed through the university's Neuroimaging Center. TUD is a university of excellence supported by the DFG, which offers outstanding research opportunities. Researchers in this chair are involved in large research consortium and cluster, such as the DFG SFB 940 „Volition and Cognitive Control“ and DFG EXC 2050 „Tactile Internet with Human-in-the-Loop“.

**Tasks:** research in the field of lifespan developmental cognitive neuroscience. The research topics are subject to the fits between the candidate's research interests, expertise, and ongoing projects in the chair, particularly the DFG-funded research project Tec4Tic; scientific teaching (1 bachelor- or master-level seminar per semester for students majoring psychology). Topics for the seminars should cover neurocognitive mechanism of cognitive, motivation, or perceptual development.

**Requirements:** at least university degree (Diploma/Master) in Psychology, Cognitive Neuroscience, or Cognitive Science (applicants with PhD degrees are also welcome); experiences with cognitive neuroscience methods (EEG, fNIRs, MRT); excellent language skills in German and in English.

Please contact Shu-Chen Li (shu-chen.li@tu-dresden.de) for questions about the position.
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, research interests, CV, degree certificates and names of 2 referees) by October 12, 2023 (stamped arrival date of the university central mail service applies) to: TU Dresden, Fakultät Psychologie, Professur für Entwicklungspsychologie und Neurowissenschaft der Lebensspanne, Frau Prof. Dr. Shu-Chen Li, Helmholtzstr. 10, 01069 Dresden, Germany or via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file (with the subject heading: Research Associate w23-306) to shu-chen.li@tu-dresden.de. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

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.