Faculty of Psychology

At the Institute of Educational and Developmental Psychology, the Chair of Lifespan Developmental Neuroscience offers the 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 November 1, 2022. The position is initially limited for 3 years with the option of extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The position entails 65 % of the full-time weekly hours and aims at obtaining further academic qualification (e.g. PhD).

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 episodic and spatial memory, cognitive control, reward processing, decision making, perception and action. 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 different 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. TU Dresden 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:** conducting research (data collection, data analyses and manuscript writing); teaching at the bachelor-level in the area of lifespan developmental neuroscience.

**Requirements:** university degree (Diploma/Master) in Psychology, Cognitive Neuroscience; experiences with cognitive neuroscience methods (EEG, fNIRs, fMRI, tDCS) and computational methods; excellent language skills in English; language skills in German is not required but will be preferred; interests in mechanisms of developmental or aging processes.

Please contact Prof. Shu-Chen Li (shu-chen.li@tu-dresden.de) for questions about the position.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your application materials (cover letter, research interests, CV, degree certificates and names of two referees by October 14, 2022 (stamped arrival date of the university central mail service applies) with the subject heading: Research Associate PhD to: TU Dresden, Fakultät Psychologie, Institut für Pädagogische Psychologie und Entwicklungspsychologie, Professur für Entwicklungspsychologie und Neurowissenschaft der Lebensspanne, Frau Prof. Dr. Shu-Chen Li, Helmholtzstr. 10, 01069 Dresden, Germany or via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document to shu-chen.li@tu-dresden.de. Please submit copies only, as your application materials will not be returned to you. Expenses incurred in attending the 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.