Faculty of Psychology

At the **Institute of Educational and Developmental Psychology**, the **Chair of Lifespan Developmental Neuroscience** offers a position as

Research Associate /PhD student /Postdoc (m/w/d)
(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting from **April 1, 2022** (or later). The position comprises 75 % of the full-time weekly hours for a PhD student and 100 % of the full-time weekly hours for a Postdoc. 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 aims at obtaining further academic qualification (e.g. PhD/habilitation thesis).

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 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. 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: conduct scientific research and teaching; develop own research ideas in the area of neurocognitive development, neurocognitive aging, or their interfaces with perception and digital technologies; publish scientific articles; acquire research funding; develop and teach courses at the bachelor and master's level in the area of lifespan developmental neuroscience.

Requirements: university degree (Diploma/Master) for PhD students or university and PhD degree for Postdocs in Psychology, Neuroscience or related fields; interests in mechanisms of developmental or aging processes; publications in international journals; excellent language skills in English; experiences with cognitive neuroscience methods (EEG, fNRIs, MRT) and human-machine interaction technologies would be advantageous.

Please contact 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 3 referees by **March 31, 2022** (stamped arrival date of the university central mail service applies) 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** or via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document (with the subject heading: Research Associate-Postdoc or Research Associate-PhD) 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.