Faculty of Psychology

The Collaborative Research Centre CRC 940 – Volition and Cognitive Control (https://tu-dresden.de/bereichsuebergreifendes/sfb940) offers as soon as possible a position as

**Research Associate / PhD student**

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

with 75% of the fulltime weekly hours and limited until June 30, 2024. The period of employment is governed by the Fixed Term Research Contracts Act (WissZeitVG). The positions aim at obtaining further academic qualification (e.g. PhD).

The successful applicant will work together with Prof. Dr. John-Dylan Haynes, Dr. Marcus Möschl and Prof. Dr. Thomas Goschke in project A1 of the CRC 940. The CRC is an interdisciplinary research centre that investigates the cognitive and neural mechanisms underlying volitional action control and self-control impairments. Together, the CRC and the TU Dresden offer an excellent research infrastructure and various opportunities for cooperation between experimental psychology, cognitive neuroscience and psychiatry. Doctoral candidates are integrated into the graduate program of the CRC, which offers annual spring schools, workshops and several other training and cooperation opportunities for doctoral candidates.

The CRC project A1 investigates the cognitive and neural mechanisms of intentional goal-oriented behavior. Specifically, the project assesses to what extent cognitive stability versus cognitive flexibility incur complementary costs and benefits. For this, healthy participants will be tested in behaviorally induced task contexts in which performance can be optimised either by rigidly shielding intentions from interference or by flexibly switching between different intentions. The project will measure behavioral markers such as reaction times and assess the neural processes underlying cognitive stability and flexibility with the help of functional magnetic resonance imaging (fMRI) and electroencephalography (EEG).

**Tasks:** Study coordination and participant recruitment; conducting psychological experiments; project-related supervision of student assistants; preparation and analysis of behavioral and/or fMRI/EEG data; writing scientific papers; presenting research findings at scientific conferences.

**Requirements:** University degree (MSc. or Dipl.) in psychology, cognitive (neuro)science or related fields; substantial interest in cognitive neuroscience and cognitive psychology; substantial expertise in statistics and research methods; proficiency in English and German; prior experience with fMRI. Scientific publications and computer programming skills (e.g., Matlab) are welcome.

For questions please contact Dr. Marcus Möschl (marcus.moeschl@tu-dresden.de) or Prof. Dr. Thomas Goschke (thomas.goschke@tu-dresden.de).

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

Please send your complete application in one PDF document (CV, a brief statement describing your qualifications and research interests and contact information of two references) until September 22, 2021 (stamped arrival date of the TU Dresden central mail service applies) via the TU Dresden SecureMail Portal (https://securemail.tu-dresden.de) to marcus.moeschl@tu-dresden.de or via mail to: TU Dresden, Fakultät Psychologie, Sonderforschungsbereich SFB 940, z. Hd. Herrn Dr. Marcus Möschl, Helmholtzstr. 10, 01069 Dresden. 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