Research Associate / PhD Position
(Subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

with 50 % of the fulltime weekly hours. The position will start on 01.08.2018 and is initially limited for 3 years. A contract extension for a fourth year is possible. 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).

The position is associated with the CRC 940 ‘volition and cognitive control’ (http://www.sfb940.de/de/home.html), which is funded by the German Research Foundation. The CRC aims at identifying the cognitive and neuronal mechanisms, which underlie the volitional control of goal-directed actions as well as its dysfunctions in selected mental disorders.

Tasks: The goal of the position is to develop computational, neurocognitive models of goal-directed action. The position is ideal to work as a modeller in an interdisciplinary group of researchers, where computational modelling will be used to analyse and predict experimental phenomena. The candidate is expected to extend and develop, with support of an experienced modelling group, computational models of goal-directed actions, work together with experimenters, and prepare manuscripts.

Requirements: a university degree (master or diploma) in physics, computational neuroscience, or similar; strong interest to work at the interface between computational and experimental neuroscience. Alternatively, a university degree (master or diploma) in psychology, cognitive neuroscience, or similar, if there is documented strong interest in computational modelling. Programming skills in Matlab and a documented interest in cognitive neuroscience models and methods are of advantage.

The CRC and TU Dresden provide an outstanding scientific infrastructure and ideal environment for interdisciplinary collaboration. For computational work, the group has access to the TU Dresden high-performance computing clusters. Experiments will be performed at the Neuroimaging Centre Dresden (http://www.nic-tud.de). The Neuroimaging Centre is equipped with a research-only MRI scanner (Siemens 3T TIM Trio), MRI-compatible EEG and eye tracking, and a transcranial magnetic stimulation (TMS) unit. All experimental facilities are supported by experienced physics and IT staff. For questions about this position please contact Prof. Stefan Kiebel (stefan.kiebel@tu-dresden.de).

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

Applicants should send their complete application documents (cover letter including a brief summary of research interests, CV and two references) preferably via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document to julia.herdin@tu-dresden.de until the 31.01.2018 (stamped arrival date of the university central mail service applies) or to TU Dresden, Bereich Mathematik und Naturwissenschaften, Fakultät Psychologie, Institut für Allgemeine Psychologie, Biopsychologie und Methoden der Psychologie, Professur für Neuroimaging, Herrn...
Prof. Dr. Stefan Kiebel, 01062 Dresden. Please submit copies only as your application will not be returned to you.