

Faculty of Science

The **Department of Psychology, Institute of General Psychology, Biopsychology and Methods of Psychology, Chair of Neuroimaging** (Herr Prof. Dr. Stefan Kiebel) invites applications for a

Member of academic staff / PhD student (E 13 TV-L)

with 50 % of the fulltime weekly hours. The position will start (ideally) on **01.10.2014**. The PhD position 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 main research goal is the development and experimental testing of novel computational models of decision making. The computational models typically employ Bayesian inference and experiments are performed using fMRI and EEG.

The Chair of Neuroimaging has full access to all experimental facilities at the Neuroimaging Center at the TU Dresden. The Neuroimaging Center 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 computational work, the group has access to the TU Dresden high-performance computing clusters.

The Chair of Neuroimaging will be newly established at the TU Dresden, and will move from the Max Planck Institute in Leipzig (<http://www.cbs.mpg.de/depts/n-3/dyn/@@index.html>) to Dresden.

Tasks: The PhD student will work on a series of projects in the area of decision making using computational modelling of behavioural and neuroscientific data.

Requirements: The candidate should have either (i) a university degree in psychology or cognitive neuroscience and a strong interest in computational modeling, or (ii) a university degree in mathematics, computational neuroscience, physics, or similar with a strong interest in performing neuroimaging experiments for testing computational models. The position is ideal for candidates interested in research at the interface between computational modeling and experimental neuroimaging.

For questions or an informal discussion 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 application documents (cover letter including a brief description of personal qualifications and future research interests, CV and contact details of two personal references) until **07.07.2014** (stamped arrival date of the university central mail service applies) - preferentially via e-mail as a single PDF-file - to julia.herdin@tu-dresden.de (Please note: We are currently not able to receive electronically signed and encrypted data.) or to **TU Dresden, Fakultät Mathematik und Naturwissenschaften, Fachrichtung Psychologie, Institut für Allgemeine Psychologie, Biopsychologie und Methoden der Psychologie, Professur für Neuroimaging, Herrn Prof. Dr. Stefan Kiebel, 01062 Dresden.**