

The Forschungsgesellschaft für Arbeitsphysiologie und Arbeitsschutz e.V. is a research institution institutionally funded by the German Federal Ministry of Labor and Social Affairs and the State of North Rhine-Westphalia. It is the sponsor of the Leibniz Research Center for Working Environment and Human Factors at the TU Dortmund (IfADo). The IfADo explores the risks and potentials of modern work in interdisciplinary approaches. We combine the faculties of ergonomics, immunology, toxicology, psychology and neurosciences.

The Department Psychology and Neurosciences focuses on Cognitive Neurosciences, with a specific emphasis on the physiological foundation of cognitive performance, and has its methodological focus on non-invasive brain stimulation, imaging approaches (e.g. EEG), and neuropsychopharmacology, which will be expanded in the future by innovative MRI research programs.

The Department 'Psychology and Neurosciences' offers

**a full-time MR physicist/ technician position (m,f,d)**

for a newly established 3T-MRI unit.

#### Your duties

- Development, optimization and technical support of state-of-the-art multimodal MRI approaches, including anatomical imaging (MRI), multi-shell diffusion-weighted imaging (DWI, DTI), functional imaging (fMRI, BOLD), arterial spin labeling (ASL) and magnetic resonance spectroscopy (MRS) of the human brain, together with the group leader of the MRI unit
- Development and technical supervision of simultaneous EEG/fMRI as well as TMS/fMRI recordings, pharmacological and non-invasive brain stimulation procedures and cognitive (f)MRI experiments
- Technical supervision, and organization of the 3T-MRI unit dedicated to brain, and liver research in humans, and MRI in small animals

#### Your qualification

- We are looking for highly motivated applicants holding a PhD or equivalent degree with a proven strong technical background in MRI.
- Proven expertise with respect to set-up, conduction, and analysis of, structural, and functional MRI, as well as MRS in humans
- Proven expertise with respect to programming of scanning sequences
- Expertise in simultaneous EEG/fMRI recordings and MRI brain stimulation approaches would be advantageous
- Expertise in liver, and small animal imaging would be advantageous
- A publication track record, and experience with external funding acquisition, would be advantageous
- Organizational skills
- Team player, flexibility, high motivation
- Ability to work independently, high interest in keeping up with and developing innovations
- Excellent English language proficiencies



### Our offer

- Full-time (39.83 h per week) position available initially for 2 years, but with the option for prolongation, including a permanent position
- Remuneration according to TV-L depending on personal requirements.
- All advantages of civil service positions, such as annual benefit, and support of capital-forming payments, do apply.
- An interesting occupation with room for development of own scientific ideas, which fosters your professional career.
- An up-to-date working environment, including a friendly and competent research team.
- Support with regard to compatibility of work and family life.

The IfADo promotes gender equality and holds a respective certificate.

The application of female applicants is explicitly encouraged.

Applications from people with severe disabilities will be given preferential consideration if they are equally qualified.

General information about the Research Centre can be found here [www.ifado.de](http://www.ifado.de).

If you have questions, please contact:

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### Did we arouse your interest?

Then please send your complete application including all relevant documents and CV until the 7<sup>th</sup> of September 2020 preferably by mail to [bewerbung@ifado.de](mailto:bewerbung@ifado.de).

Alternative you can send your application by post to the following address:

Forschungsgesellschaft für Arbeitsphysiologie  
und Arbeitsschutz e.V.  
Personalabteilung  
Ardeystraße 67  
44139 Dortmund

(Because we will not be able to send back your applications but will destroy them in adherence to data protection regulations after a retention period, please do not include original documents, but only copies, and avoid sending folders.)