



UNIVERSITÄTS
KLINIKUM
TÜBINGEN



Hertie Institute
for Clinical Brain Research

The University Hospital / Hertie Institute of Clinical Brain Research Tübingen (Germany) is seeking a

Postdoctoral Researcher (Akademischer Mitarbeiter)

for the AG Translational Neuroimaging, Neurological Clinic and Hertie Institute for Clinical Brain Research. The focus of our group is the utilization of imaging and post-processing methods to better understand the neurobiology of focal and generalized epilepsies, allow individualized diagnostics and translate methodological advances into clinical applications. We apply structural and function MRI, HD-EEG and MEG; all these modalities are available locally. The applicant will have access to a unique setting including high-density MR-compatible 256-channel EEG, 3T- and 9.4T-MRI scanners and hybrid human PET-MR facilities. The medical university runs a comprehensive epilepsy surgery program including invasive EEG recordings.

The successful applicant will work primarily on post-processing of functional and structural MRI with a particular focus on network analysis (graph-theory, classification algorithms, EEG-fMRI) in the context of epilepsy. The position will allow for independent projects in the global frame of the research group. The applicant will be closely integrated into our multidisciplinary team and be involved with co-supervising PhD/MA/MD students together with the group leader.

Applicants need a higher university degree (PhD or equivalent) in (MR-) physics, mathematics, biology, biomedical engineering, medicine or other related disciplines. Programming skills (Matlab) are essential as is profound knowledge of common imaging toolboxes (e.g. SPM, FSL, Freesurfer, Fieldtrip). A track record substantiated by relevant publications on network analysis/graph theory is essential for a successful application. Epilepsy experience is beneficial but can also be provided locally. Since several studies involve interaction with patients German language skills are advantageous. The applicant has to be fluent in English, both written and oral.

The salary is according to German federal scale (TV-L, E13). The position is full-time (100%) and initially funded for 3 years. The university is especially encouraging the application of women. Disabled applicant are preferred in case of equal qualification. Interviews will commence in September 2014. The start date is negotiable.

Please send a letter of motivation, CV, references and at least one sample publication to:

Universitätsklinikum Tübingen
Abteilung Neurologie mit Schwerpunkt Epileptologie
Dr. Niels Focke
Hoppe-Seyler-Str. 3
76076 Tübingen
Germany

Informal inquiries can be done via E-Mail (niels.focke@uni-tuebingen.de).
