

JOB ANNOUNCEMENT

Postdoctoral Research Position in functional and structural MRI, Neuroimaging Group at the School of Science and Medicine in Munich, Technische Universität München, Germany.

The Neuroimaging Group at the Technische Universität of Munich is looking for a postdoctoral fellow in MRI data analysis. The newly founded Neuro-Center of the university hospital is equipped with a state-of-the-art 3T-MR-Scanner, including DTI, fMRI, spectroscopy and ASL. The institute hosts an interdisciplinary community with access to brain imaging facilities like a PET-scanner, a MR-compatible EEG-system, and advanced computing facilities. The Technical University is currently ranked in the top three universities of the 'excellence initiative' in Germany.

The position is part of a BMBF-funded junior research group involved with functional connectivity analyses of the resting brain under pathology with the aim of probing the value of these methods for the clinical setting.

The key responsibility will be the investigation of new methodological approaches, and algorithm and software development for DTI and fMRI. Potential research activities involve probabilistic tractography, ICA, multivariate analysis, or other approaches to obtain functional and structural connectivity patterns in the brain.

The successful candidate will be part of a multi-disciplinary team using neuroimaging to map brain activity during 'resting-state' and task performance associated with normal cognitive function and functional brain disorders. Applicants with strong motivation to work in a collaborative and multi-disciplinary environment and with experience and interests in applied mathematics, programming (C, IDL and Matlab), signal and image processing, and statistics are encouraged to apply. Minimum Requirements: A Ph.D. degree in physics, mathematics, statistics, or neuroscience. Additional knowledge and experience in digital signal processing; proficiency in programming; familiarity with the Unix/Linux operating systems are welcome. Preferred Qualifications include skills in DTI/fMRI data analysis.

Applications (with names of two references) or inquiries should be directed to wohlschlaeger@lrz.tu-muenchen.de.