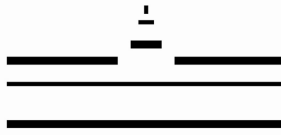




**medizinische
fakultät**
Westfälische
Wilhelms-Universität Münster



**WESTFÄLISCHE
WILHELMS-UNIVERSITÄT
MÜNSTER**



Two open positions in experimental MRI are available **immediately** in the Experimental Magnetic Resonance Group (associated to the radiology department of the university hospital Münster) at the Westfälische Wilhelms-Universität **Münster**, Germany.

- **3-year PhD-student position for physicists/engineers or biologists**
Molecular and cellular MRI

This project aims at developing novel MRI techniques for cell tracking and molecular imaging. Combination of MRI data with FMT and PET data will be used to devise novel multimodal imaging protocols. Experience in sequence programming and/or molecular biology are desirable.

- **3-year postdoc position for biologist, veterinarian, or MD,**
Multimodal fMRI in rodents:

This project aims at implementing challenging paradigms for fMRI in rodents (e. g. fear paradigms) and to establish multimodal fMRI as combination of fMRI with optical detection. Experience in mouse/rat surgery, or fMRI data analysis are desirable.

The Experimental Magnetic Resonance Group of the WWU has been established in 2008. Our research aims at advancing theoretical understanding of MR and development of novel methods in MRI and spectroscopy. Major topics include integration of MRI in a multimodal environment, advances in sensitivity and resolution in small animal fMRI, MRI in infectious disease models, and MR in the vascular system.

Instrumentation:

9.4 T Biospec with cryoprobe, optical imagers (FMT, free space FMT, multichannel fluorescence imager), access to small animal PET, RF-Lab, access to several clinical MR scanners (1.5 T and 3 T with small animal equipment).

Close collaboration with the European Institute of Molecular Imaging (EIMI): Access to small animal PET and ultra sound imaging systems.

Applications and further information:

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