

UNIVERSITÄTSmedizin.

The Group Neuroimmunological Imaging is recruiting starting in October and initially limited for two years

PhD Candidate or Postdoctoral Researcher in Neuroimaging and Image Processing (m/f/d)

We offer:

- Supervision by an imaging-focused clinical neuroimmunologist (Prof. Fleischer) within a research-intensive department specialized in neuroimmunology
- A highly challenging and independent role with opportunities for interdisciplinary collaboration
- Excellent research facilities and an interdisciplinary team.
- Salary in accordance with the in-house contract, if the qualification requirements are met, as well as additional pension and benefits and social security services
- many employee benefits, such as a job ticket, bicycle ticket, and participation in discount programs
- Childcare options
- Excellent public transport connections

Your Profile:

- Completed studies in Neuroscience, Neuroimaging, Computational Engineering, or a related field with a focus on image analysis, ideally with an emphasis on human MRI datasets
- Proven research experience (demonstrated by publications)
- Expertise in image acquisition and analysis (particularly MRI)
- Experience with relevant programming software (e.g., Matlab, R) and/or with image processing software (e.g., SPM, FreeSurfer)
- Excellent English language skills
- Knowledge of MRI image file processing (DICOM, Nifti, etc.)
- In-depth knowledge and practical experience in MRI are advantageous

Your Responsibilities:

- Analysis of human imaging datasets (primarily structural MRI)
- Mathematical and statistical analysis of MRI data and data modeling
- Development of structures and processes to optimize large datasets for scientific use
- Optimization of MRI examination techniques and MRI sequences
- Formulation of scientific research questions and evaluation of quantitative MRI data

Contact:

University Medical Center of the
Johannes Gutenberg University Mainz Department
of Neurology

In case of technical questions or for further
information, please contact Prof. Dr. V. Fleischer,
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*If suitably qualified, disabled applicants (m/f/d) will
be given preferential consideration.*