The Max Delbrück Center for Molecular Medicine (MDC) in the Helmholtz Association is an international biomedical research institution. It is dedicated to understanding the molecular mechanisms of health and disease in order to develop new therapies and medicines. The MDC is a member of the DFG Collaborative Research Centers and CRCs, and a key player in the National Research Network "Bewegungsmedizin" (Research Network for Movement and Health). It is also a member of the Berlin BMBF Cluster "Neuro- und Muskelerkrankungen" (Neuro- and Muscular Diseases) and the Beruf und Familie Audit ("Beruf und Familie Audit") initiative.

Job Description

We seek to recruit a new member for the Animal Phenotyping Platform (MDC-BIMSB). The MDC-BIMSB is a core facility that provides imaging and phenotyping services for animal models. The Animal Phenotyping Platform provides in vivo and ex vivo imaging services using a variety of imaging modalities, including MRI, micro-CT, and ultrasound. The position includes the following responsibilities:

- Conduct in vivo and ex vivo imaging using the Bruker BioSpec 3T MRI scanner.
- Develop and optimize MRI sequences and experimental protocols.
- Collaborate with researchers to coordinate studies and ensure the efficient use of resources.
- Maintain detailed electronic records of all experimental procedures and results.
- Analyze imaging data using advanced software tools, such as Python and MATLAB.
- Maintain up-to-date knowledge of relevant scientific literature.
- Participate in the development and optimization of imaging protocols.
- Participate in the analysis of experimental data.
- Participate in the preparation of manuscripts and grant applications.

Requirements

- Ph.D. or M.D. in a related field (e.g., Biomedical Engineering, Neuroradiology, Neuroscience, Radiology).
- Strong proficiency in structural and functional MRI techniques and technologies (essential).
- Strong understanding of microstructure and histology (essential).
- Experience with MRI sequence design and optimization (essential).
- Experience with imaging protocols and data analysis (essential).
- Experience with in vivo or ex vivo imaging (desired).
- Experience with MR microscopy (desired).
- Experience with animal handling (desired).
- Strong communication and interpersonal skills (essential).
- Excellent written and oral presentation skills (essential).
- Experience with scientific writing and publication (essential).

We offer

- International working environment with communication in English and German.
- Innovative work environment and a range of opportunities for further development, such as training programs, mentorship, and opportunities for professional development.
- Competitive compensation and benefits, including healthcare, retirement plans, and flexible working arrangements.
- Opportunities for independent research and for developing new ideas.
- Cutting-edge research infrastructure.
- A diverse workforce of more than 1200 employees from 40 different countries.
- A dynamic team of 10 members (postdocs and technicians).
- A collaborative and supportive environment.
- Extensive professional development opportunities, including training programs, mentorship, and opportunities for professional development.
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