MRI Scientist (m/f/d)

The APP is a comprehensive preclinical phenotyping platform which conducts MRI, micro-CT, high frequency ultrasound imaging, photoacoustic imaging, and a range of in vivo optical imaging techniques.

The position will focus on the application of MRI to provide structural, microstructural and physiological data for preclinical models of disease. We seek a highly motivated scientist with extensive MRI experience to advance preclinical MRI and support MDC research groups. The scientist will develop and apply advanced MRI imaging and data analysis techniques to address research questions across multiple therapeutic areas with a potential of a clinical translation. We will collaborate with the Berlin Ultrahigh Field Facility of the Max Delbrück Center in the development and establishment of new methods.

Responsibilities:
- Perform in vivo imaging experiments using a Bruker BioSpect 3T MRI scanner
- Conduct daily studies, including coordination with other researchers and comparative medicine staff
- Ensure a safe and compliant laboratory environment
- Acquire, store, and analyze imaging data
- Maintain electronic records of experimental procedures

Qualifications:
- Ph.D. in a relevant field with at least 2 years of postdoctoral research experience, or M.S. with at least 5 years of relevant laboratory research experience.
- Extensive experience with MRI
- Experience with other in vivo imaging modalities (optical, US, and SPECT, PET, CT) is an advantage
- Hands-on experience with small animal handling, anesthesia, and imaging
- Ideally, proficiency in animal procedures, including injections, blood/tissue collection, and basic surgical methods
- Experience in image data visualization and analysis using dedicated software
- Knowledge and skills in imaging data processing and machine-learning techniques are advantageous

The ideal candidate should have an advanced degree related to MRI, be able to handle anesthetized rodents, adjust imaging parameters, and troubleshoot for scanner problems. The successful candidate will be involved in the application of novel methods and must demonstrate a keen awareness of image acquisition, animal handling, lab skills, image analysis and data visualization to help advance the imaging techniques.

Clear and accurate communication skills are a requirement in order to communicate with the various research groups. The candidate is also expected to have excellent writing and presentation skills.

Disabled applicants will be considered preferentially in case of equivalent qualifications.

Details:
We offer a full-time post-doctoral position with payment according to individual qualifications and TVöD E 13. The position is available immediately, initially limited to 2 years with the possibility of extension.

Contact:
Applicants should send a CV, a brief outline of their research experience and interests and two letters of reference by e-mail until October 11th, 2019 to heuser@mdc-berlin.de.