

# MRI Scientist (m/f/d)

**Team:** Animal Phenotyping

The Max Delbrück Center for Molecular Medicine (MDC) in the Helmholtz Association is an international biomedical research center dedicated to understanding the molecular mechanisms of health and disease with the goal to devise new diagnostics and medicines. The MDC is a member of the Helmholtz Association, Germany's largest scientific organization, and offers an engaging research environment with cutting-edge research infrastructure. Currently, ~1250 employees and ~500 guest scientists work at the Berlin-Buch and Berlin-Mitte campuses. Our diverse workforce is a core strength that inspires creativity and innovation at the MDC.

The MDC is committed to improving human health through transformative biomedical research. Our goal is to pioneer discoveries for preventing, treating, and ultimately curing disease.

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

The position will focus on the application of MRI to provide structural, microstructural and physiological data for preclinical disease models. We seek a highly motivated scientist with extensive MRI experience to advance preclinical MRI and support MDC research groups.

## Job Description

The scientist (m/f/d) will develop and apply advanced MR imaging and data analysis techniques to address research questions in multiple therapeutic areas with potential for clinical translation.

- perform in vivo and ex 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
- management of the scanner

## Requirements

- 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 MR 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 proficiency in small animal handling, anesthesia, and imaging
- ideally, experience with animal procedures, including injections, blood/tissue sampling, and basic surgical procedures
- experience with image data visualization and analysis using dedicated software
- knowledge and skills in image data processing and machine-learning techniques are advantageous

The ideal candidate (m/f/d) will have an advanced degree in MRI, be able to handle anesthetized rodents, adjust imaging parameters, and troubleshoot scanner problems. The successful candidate (m/f/d) will be involved in the application of novel methods and must demonstrate a keen awareness of image acquisition, animal handling, laboratory skills, image analysis and data visualization to advance imaging techniques.

Clear and concise communication skills are required to communicate with the various research groups. The candidate (m/f/d) is also expected to have excellent writing and presentation skills.

## We offer

- international working environment with communication in English and German
- interesting career opportunities and a range of opportunities for further qualification and training
- Compatibility of family and career certified by the workandfamily audit ("berufundfamilie audit")
- Support for "New Berliners" through the MDC Welcome & Family Office
- On-campus health and fitness center

You also benefit from:

- a remuneration in accordance with the collective agreement for the federal public service (TVöD-Bund), including additional company pension schemes
- flexible working hours and childcare support
- an idyllic green campus, which is easily accessible by bicycle, public transport or car
- a secure job
- Subsidy for the job ticket as well as discounts in the campus canteen
- additional health benefits such as flu vaccination, eye test, ergonomics advice at the workplace
- the possibility of mobile working
- free use of Nextbike from the Buch S-Bahn station to the campus

## Salary

Remuneration will be according to the TVöD Bund, depending on the personal requirements, up to the fee group E13.

## Employment volume

Full Time

## Desired starting date

2024-06-01 00:00:00

## Limitation

Fixed Term The position is available immediately and is initially for 3 years with the option of extension.

## Application period

May 10, 2024

## Commitment to Equity, Diversity and Inclusion

MDC values diversity and is committed to fostering an inclusive, fair and open environment that allows everyone to grow and flourish. All qualified applicants will receive equitable consideration for employment based on their experience and qualifications, and will not be discriminated against on the basis of national or ethnic origin, religion, sexual orientation, gender identity, disability, age, or other personal characteristics. We recognize that creating diverse teams that represent a broad range of experiences, perspectives and backgrounds strengthen our work and research. We welcome applications from open-minded people who embrace working together in a diverse environment. Applications from severely disabled people will be given particular consideration.

## Contact

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Please use our [online portal](#) and submit your application including a cover letter, CV (without photo, age and information about your family status) and other relevant attachments.

If you have a foreign degree, please submit proof of the recognition of your Master's degree in Germany with your application. The proof can be determined via the anabin database (<https://anabin.kmk.org/anabin.html>) and can be submitted as a PDF attachment to the application.

For information on fair mobility, click here: <https://www.fair-labour-mobility.eu/>.

**Apply now**