



The German Cancer Research Center is the largest biomedical research institution in Germany. With more than 3,000 employees, we operate an extensive scientific program in the field of cancer research.

The Division of **Medical Physics in Radiology** is seeking a

Postdoctoral Fellow for Translational High-Field MRI

(Ref-No. 2022-0164)

The DKFZ conducts diverse magnetic resonance (MR) research projects at 7 Tesla ranging from basic methodological development to clinically-oriented research studies in volunteers and patients. Many of these research projects require close support from MR physicists / engineers and other technical personnel. The goal of the position is to develop and optimize MR measurement protocols and analysis procedures to facilitate the execution of translational, clinically-oriented research projects that depend on conventional or parallel transmit techniques. The 7 Tesla imager is equipped with a self-developed 32-channel parallel transmission system including a 32-channel transmit / receive RF body coil.

Your responsibilities will include:

- adaptation of standard as well as newly developed MR pulse sequences,
- optimization of MR measurement protocols and analysis procedures,
- evaluation of the clinical benefit of novel techniques with respect to diagnosis and characterization of disease processes,
- support of clinical studies and quality control.

Your profile:

Successful candidates will become members of a multidisciplinary international team and should:

- hold a PhD degree in physics, engineering, or a related scientific or technical field,
- possess keen interest in scientific research and be able to work independently,
- have good oral and written communication skills in both German (ideal) and English (mandatory),
- have a background in MR physics ideally including pulse sequence programming (preferred: C/C++, MATLAB/Python, IDEA, ICE).

Extensive experience in ultra-high field MRI and good knowledge of parallel transmit systems are preferred.

We offer:

- Interesting, versatile workplace
- International, attractive working environment
- Campus with modern state-of-the-art infrastructure
- Salary according to TV-L including social benefits
- Possibility to work part-time
- Flexible working hours
- Comprehensive further training program
- Access to the DKFZ International Postdoc Program

The position is limited to 2 years with the possibility of prolongation.

The position can in principle be part-time.

Important notice:

The DKFZ is subject to the regulations of the Infection Protection Act (IfSG). As a consequence, only persons who present proof of immunity against measles as well as against COVID-19 may work at the DKFZ.

For further information please contact
Prof. Dr. Mark Ladd, phone +49 (0)6221/42-2550.

The DKFZ is committed to increase the proportion of women in all areas and positions in which women are underrepresented. Qualified female applicants are therefore particularly encouraged to apply.

Among candidates of equal aptitude and qualifications, a person with disabilities will be given preference.

To apply for a position please use our online application portal (www.dkfz.de).

We ask for your understanding that we cannot return application documents that are sent to us by post (Deutsches Krebsforschungszentrum, Personalabteilung, Im Neuenheimer Feld 280, 69120 Heidelberg) and that we do not accept applications submitted via email. We apologize for any inconvenience this may cause.

