

The Department of Radiology, Medical Physics is inviting applicants to support our activities in the area of Magnetic Resonance Technology. Over the recent years our department has developed a number of novel MR imaging protocols and methods. The present project funded by the US National Institutes of Health (NIH) will focus on the development of platform- and vendor-independent MRI protocols and pulse sequences in cooperation with the University of Michigan and Massachusetts General Hospital (MGH) / Harvard University in Boston.

The successful applicant will join a stimulating working environment of over 50 scientists at the MR Physics Group in Freiburg, led by Prof. Maxim Zaitsev. Our research is carried out in tight collaboration with leading industry partners providing access to innovative technological developments for human in vivo imaging.

The following position is available:

### **PhD student or PostDoc – vendor-independent MR pulse sequence development**

The successful candidate is expected to have completed a relevant degree (M. Eng./ M. Sc. or equivalent or Ph.D.). Knowledge of basic physics involved in MR imaging and good programming skills (Matlab/Python/C++) are required. Experience with MR imaging or spectroscopy would be of advantage. The present position allows for the unique combination of theoretical and practical aspects with the perspective of a fast and broad adoption of the developed methodology in the scientific community. The working language in our international team is English.

### **Employment Conditions**

Salary and benefits will be in accordance with the regulations for German federal employees (TVL E13; 65% for a PhD Student or 100% for a Postdoctoral Researcher). Duration of the contract will be three years with options for a further extension. In case of a PhD Student application the aim will be obtaining a PhD degree in engineering or physics within the three years.

### **Living in Freiburg**

Freiburg is located in the south west of Germany, close to the Swiss and French border. At the foot of the Black Forest, the city is ideal for a variety of outdoor activities. Lonely Planet has recently ranked Freiburg 3rd amongst the top 10 in "Best in Travel City Destinations of the World 2022".

### **Address your application via e-mail to:**

Prof. Maxim Zaitsev  
University Medical Center Freiburg  
Division of Medical Physics, Department of Radiology  
maxim.zaitsev@uniklinik-freiburg.de



### **Visit our web pages**

Medical Physics at the University Medical Center Freiburg: <http://www.mr.uniklinik-freiburg.de>  
Magnetic Resonance Development and Application Center: <http://www.mrdac.com>

University Medical Center Freiburg is an equal-opportunity employer. Qualified applicants are considered for employment regardless of age, race, colour, religion, sex, national origin, sexual orientation or disability.

