The German Center for Neurodegenerative Diseases (DZNE) is a unique non-university research center which is dedicated to the subject dementia and all its areas, as well as other neurodegenerative diseases. The center compasses the full spectrum of fundamental research through population sciences to health care research. The DZNE stands for excellence in research and science management, translation of scientific results into practice, interdisciplinarity and internationalization. It is a research center within the Helmholtz Organization of German research centers. With over 1,000 employees from 60 nations, spread over 10 sites, the DZNE is one of the national and international leading research centers in its research field.

Post-Doc / MR Physicist (f/m/d)
Code 1850/2020/8

The MR Physics group in Bonn develops MRI acquisition methods to probe manifestations of neurodegenerative diseases non-invasively with high sensitivity and resolution. To this end, we are seeking an interactive and self-motivated scientist to develop novel MRI motion detection and correction methods for ultra-high field MRI using magnetic field monitoring. The position is part of an EU-funded project involving six partners from five countries (France, Germany, Netherlands, Switzerland and United Kingdom) covering both academic and industrial partners. The successful candidate will be closely interacting with the project partners, including short-term research visits at selected partner sites, especially the 11.7 Tesla human MRI magnet being commissioned at Neurospin, CEA Paris-Saclay. The position is based within the DZNE MRI Facilities in Bonn (Venusberg Campus).

Requirements
Successful candidates should hold a PhD in Physics, Medical Physics, or related disciplines. As a prerequisite, the candidate should have experience with MRI sequence development, preferably but not necessarily on Siemens MRI systems. Good programming skills in C++, Python, and/or MATLAB are expected. Additional experience with MRI motion detection and correction would be beneficial. Creative, highly motivated applicants who are willing to develop new MR imaging techniques and enjoy teamwork and working independently in a stimulating scientific environment are encouraged to apply.

We offer
- An interesting and challenging task in a research center that works on the future topics of health research
- An international environment characterized by a strong focus on science and research
- A high potential for the individual development of our employees
- Targeted personnel development
- Employment, payment and social benefits are determined by the Public Sector Collective Agreement (Tarifvertrag für den öffentlichen Dienst – TVöD Bund)

The position is available from January 2021 for four years. Interviewing will begin immediately until the position is filled. Applications received by October 15th, 2020 will be definitely taken into account.

You will obtain special skills and knowledge for your scientific qualification during your activities at DZNE. The DZNE is an equal opportunity employer. It especially welcomes and encourages disabled individuals to apply.

Interested candidates should apply with a CV, a cover letter stating research experience and interests, and two references.

Please apply via: https://jobs.dzne.de/en/jobs/50612/form