Postdoc Position in CMR Physics/Interventional Cardiovascular MR

University Medical Center Göttingen, Georg-August-University Göttingen, Germany

CMR Group of the Dept. Pediatric Cardiology and Intensive Care (PD Dr. Michael Steinmetz) and
DZHK Group Real Time Imaging (Prof. Dr. Martin Uecker)

We are offering a full-time postdoc position in CMR Physics with a focus on interventional CMR and real time imaging. The position is part of a BMBF (German Ministry for Education and Research) funded public-private-partnership research program as a co-operation of three industry and two research facilities. The aim of the program is to develop a CMR optimized stent and stent delivery system for the treatment of stenosis in large arteries, i.e. aortic coarctation or pulmonary artery stenosis. Optimization of CMR sequences, testing of CMR catheter intervention material, implementation of interactive interface and communication systems and development of a standardized work-flow in an interventional CMR lab are part of the position.

Requirements

The preferred applicant will have a master in physics or engineering, and a PhD in mathematics, physics or engineering, which led to publications in widely recognized journals. Applicants should have experience in CMR physics and possibly in interventional CMR.

The University Medical Center Göttingen at the Georg-August-University Göttingen, Germany, is one of the top German medical research institutions and DZHK partner site. The Dept. of Pediatric Cardiology was the first academic institution in Germany to treat children with congenital heart disease, with a broad expertise in interventional treatment of children and adults with congenital heart disease. The CMR Imaging Group in the Dept. of Pediatric Cardiology focuses on development of CMR based diagnostic and interventional tools to aid treatment of these patients. The project will be carried out together with the group of Martin Uecker, DZHK chair for real-time magnetic resonance imaging (MRI). His research activities lie in the area of new computational MRI, and range from the basic development of new MRI sequences and reconstruction techniques, their practical implementation and integration into commercial MRI systems, to the development of new clinical applications.

The UMG is an equal opportunity employer and supports gender equality.

Applications including a CV, list of publications, and certificates should be sent to michael.steinmetz@med.uni-goettingen.de.

Salary
EG 13 TVöD Länder (TV-L E 13)

Start date
June 15th, 2019 or later

Limitation
The contract will be for 12 months with the possibility of extension.