



The Comprehensive Heart Failure Center Würzburg (CHFC) is an Integrated Research and Treatment Center supported by the German Ministry of Education and Research. More than 120 scientists conduct interdisciplinary basic, translational, and clinical research and provide innovative patient care in the field of prevention of heart failure and its medical complications. The CHFC's vision is to improve the awareness of heart failure as an urgent health challenge in society, to connect existing excellent basic science and clinical research and to implement preventive strategies for diagnostics and management as well as new therapies. It comprises four departments, namely Cardiovascular Imaging (Speaker: Prof. Laura Schreiber), Translational Research, Genetics, and Clinical Research.

The CHFC seeks to appoint a

PostDoc or 2 PhD students Preclinical and clinical MRI (m/f/d) with a focus on multinuclear MRI/MRS

The Department of Cardiovascular Imaging develops, deploys, and performs research on a variety of biomedical imaging technologies, in particular ultrahighfield MRI of the heart and organs interacting with the heart (i.e. brain). Imaging research is complemented by an electronics/coil lab for MRI hardware development and working groups on computational cardiology and innovative MRI contrast including hyperpolarization technology. We operate the first off-the-shelf Siemens Magnetom Terra 7T MRI system, as well as a Bruker Pharmascan 70/16 experimental MRI system. By special organizational measures full translational imaging path, i.e. from mouse over pigs to humans (and back), is available. Further in-house experimental imaging modalities will be small animal PET and SPECT/CT as well as ultrasound. Other clinical imaging modalities (MR, PET/CT, US, etc.) are available through close local collaborations with other departments of Würzburg University and University Clinics.

We seek a post-doctoral scientist or a PhD student for development of cutting-edge preclinical and clinical cardiovascular MRI methods. The ideal candidate would be an enthusiastic and collaboration-oriented scientist with an intrinsic scientific motivation. The applicant for a PostDoc position should have experience in the development of multinuclear MRI methods and applications on a Bruker and/or Siemens system. Experience with in-vivo studies would be advantageous. The main activities will focus on development, adaptation and testing novel MRI pulse sequences and methods for preclinical multinuclear MRI and clinical cardiac MRI. Moreover, contributions to acquisition of third-party funding, supervision of PhD and/or MD doctoral students (only as PostDoc), collaboration with medical doctors, engineers, veterinarians and further scientists will be expected.

We offer a full-time post-doctoral position or two 50% PhD position with market conform wages (TVL-E13) in a large, multidisciplinary research center in the heart of Europe. The position is immediately available. Payment will be according to individual qualifications and TV-L. Disabled applicants will be considered preferentially in case of equivalent qualifications. Currently, the position is limited until October 2020. Extension of the position is intended.

Applicants should submit their application documents (motivation letter, full CV including certificates, names and addresses of two references) in **a single** PDF file to:

Comprehensive Heart Failure Center, Am Schwarzenberg 15, Haus A15, 97078 Würzburg, preferably via email (all together in one single PDF document) to Bierwagen_A@ukw.de.

For further information please visit <https://www.ukw.de/forschung/forschung-dzhi/departement-bildgebung/> or contact **Prof. Dr. Laura Schreiber (schreiber_l@ukw.de)**.

Informationen zum Umgang mit Ihren Daten im Bewerbungsverfahren finden Sie unter www.ukw.de/recht/datenschutz



Mit über 6.500 Beschäftigten ist das Universitätsklinikum Würzburg einer der größten Arbeitgeber der Region.