Postdoctoral Position in Cardiac MRI

Job Description

We are excited to announce the availability of a postdoctoral position at the Cardiac MRI Lab of Shanghai Jiao Tong University (SJTU). This is a unique opportunity for talented and ambitious researchers to dive into groundbreaking research at the intersection of AI technology and cardiac MRI. Our projects cover a wide range of cutting-edge topics, such as the development of innovative AI techniques for MR reconstruction, analysis, motion correction, multi-modality fusion (such as PET and MR), and pulse sequence design. The ultimate goal of our research is to enhance cardiac healthcare, uncover cardiovascular mechanisms, and advance AI technologies. Join us to be part of a dynamic and innovative research team that is making a real impact in the field!

Research Environment

The Cardiac MRI Lab is a core component of the National Engineering Research Center of Advanced Magnetic Resonance Technologies for Diagnosis and Therapy at SJTU. We are equipped with state-of-the-art research-dedicated MRI scanners, including 3T, 5T, 1.5T, and 0.7T scanners. Our lab enjoys strong support from our vendor, with dedicated engineers on hand to assist with pulse sequence development and clinical translation. Moreover, we have established robust collaborations with clinicians from 11 hospitals across several provinces in China. As a postdoctoral researcher here, you will be immersed in a passionate, multidisciplinary, and highly productive research team. You will work alongside our energetic and innovative PIs, who are leaders in their respective areas. This is an ideal environment to accelerate your research career and make a significant impact in the field of cardiac MRI.

Qualifications

We are looking for candidates who hold or are close to completing a PhD degree in relevant disciplines, such as Electrical/Biomedical Engineering, Physics, Applied Mathematics, and Computer Science. A strong motivation for research and a willingness to collaborate with colleagues from diverse backgrounds are essential. If you are passionate about pushing the boundaries of science and eager to contribute to high-quality research, we want to hear from you!

Compensation and Support

We offer a competitive annual salary that is highly attractive compared to similar positions in the region. In addition, we strongly encourage our postdoctoral researchers to apply for prestigious programs and funding projects at both the municipal and national levels, such as the National Postdoctoral Program for Innovative Talents (Boxin Program) and Shanghai Post-doctoral Excellence

Program (Chaobo Program). We will provide full support and guidance throughout the application process to help you maximize your chances of success.

Application

If you are excited about this opportunity and ready to take on this challenging yet rewarding role, please send your CV to Dr. Chenxi Hu at chenxi.hu@sjtu.edu.cn. We look forward to welcoming you to our team and embarking on this exciting journey together!

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