**Postdoctoral Fellowships in Cardiac MRI**

**Description:** We are seeking 1-2 highly motivated postdoctoral researchers to join us at the Cardiovascular MRI Lab at Shanghai Jiao Tong University (SJTU), located in Shanghai and widely recognized as one of the best universities in China. The long-term goal of the lab is to improve performance of cardiac MRI by improving scan efficiency, motion robustness, contrast mechanism, and data analysis. The responsibilities of these positions include development of novel pulse sequence and reconstruction algorithms for fast and motion-robust imaging of the heart morphology, function, and tissue/flow properties, and development of machine learning methods for fast and reproducible reconstruction and post processing.

**Research Environment:** The Cardiovascular MRI Lab is part of the Institute of Medical Imaging Technology (IMIT), a newly founded research center at SJTU. The center currently hosts a research-dedicated United Imaging uMR790 3T scanner. Free access to the scanner and sequence development software is guaranteed. More MRI and PET/MR scanners will be installed in near future.

The lab has a strong connection with the vendor, United Imaging Healthcare, and clinicians (cardiologists/radiologists) at several Shanghai-based major hospitals that routinely practice CMR. The accepted candidates will work in a collaborative and multi-discipline environment filled with coworkers from academia, industry, and medicine.

**Qualifications:** The candidate must have a PhD in related disciplines, including but not limited to Electrical/Biomedical Engineering, Physics, Applied Mathematics, and Computer Science. Candidates with training experience in the following areas are encouraged to apply: 1) MR physics and pulse sequence development; 2) image reconstruction; 3) machine learning.

**Application:** The positions are available immediately, and the expected duration is 2-4 years. A highly competitive salary commensurate with qualifications and experience will be offered. Outstanding fellows will have the opportunity to be promoted to a tenure-track faculty at SJTU after completion of the training.

*Interested? Send your CV to Dr. Chenxi Hu ([chenxi.hu@sjtu.edu.cn](mailto:chenxi.hu@sjtu.edu.cn)) to start a conversation!*

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