



上海交通大学  
SHANGHAI JIAO TONG UNIVERSITY

## Postdoctoral and Associate Research Scientist Positions in Cardiac MRI

School of Biomedical Engineering  
Shanghai Jiao Tong University

**Description:** Two positions--Postdoctoral Associate and Associate Research Scientist (faculty position)--are available at the Cardiac MRI Lab of Shanghai Jiao Tong University (SJTU). The long-term goal of the lab is to improve performance of 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, automated, and motion-robust imaging of the heart, and development of machine learning methods for reconstruction and post processing.

**Research Environment:** The Cardiac MRI Lab is part of the Institute of Medical Imaging Technology and School of Biomedical Engineering at SJTU. The center currently hosts a research-dedicated United Imaging uMR790 3T scanner. The lab has a strong collaboration with the vendor, United Imaging Healthcare, and clinicians (cardiologists/radiologists) at several Shanghai-based major hospitals that routinely practice CMR. The successful candidate will work in a passionate, multi-discipline, and productive research team.

**Qualifications:** The candidate should have or nearly have a PhD degree in following disciplines, including (not limited to) Electrical/Biomedical Engineering, Physics, Applied Mathematics, and Computer Science. Candidates who feel passionate about research and who have the following training experience are strongly encouraged to apply: 1) image reconstruction; 2) machine learning; 3) MR physics and pulse sequence development.

**Application:** Both positions are available for application from 2020/11/18-2021/02/28. To apply, please send your CV to Dr. Chenxi Hu ([chenxi.hu@sjtu.edu.cn](mailto:chenxi.hu@sjtu.edu.cn))

Chenxi Hu, PhD

Tenure-Track Associate Professor

Department of Biomedical Engineering, Shanghai Jiao Tong University

<http://bme.sjtu.edu.cn/En/FacultyDetail/336> (English);

<http://bme.sjtu.edu.cn/Web/FacultyDetail/336> (Chinese)