

## **Postdoctoral Research Associate in MR Imaging Technology Development**

Applications are invited for two Postdoctoral Research Associate positions in the Department of Radiology and Biomedical Imaging at the University of California, San Francisco (UCSF). The primary focus of these positions is the development and clinical translation of advanced MR imaging technologies, including MR pulse sequences, image reconstruction algorithms, data modeling and analysis, deep learning, with applications in cardiovascular disease and body oncology.

### **Minimum Qualifications:**

- PhD in biomedical engineering, electrical engineering, computer science, medical imaging, mathematics, physics, biophysics, medical physics, or a related field awarded within the past five years.
- Strong academic track record demonstrated by publications in high-impact journals and presentations at leading conferences.
- Solid understanding of MR physics.
- Experience in one or more of the following areas: pulse sequence development, image reconstruction, deep learning, and image post-processing.
- Programming skills in C/C++, MATLAB, Python, and/or GPU programming.
- Excellent written and verbal communication skills in English.

### **Preferred Qualifications:**

- Prior experience in body, cardiovascular, or neurological MRI.
- Familiarity with Siemens IDEA and/or GE EPIC programming environments. Experience with Pulseseq is a plus.

Under the supervision of Prof. Zhaoyang Fan, the successful candidates will work in a highly collaborative, multidisciplinary environment alongside physicians, imaging scientists, medical physicists, and data scientists. The positions offer opportunities to co-mentor graduate students from UCSF and UC Berkeley and apply for postdoctoral fellowships and early-career grants. UCSF provides exceptional research infrastructure and resources, including access to state-of-the-art human MR systems (e.g. 0.55T, 1.5T, 3.0T, and 7.0T) from leading vendors such as Siemens and GE, as well as a strong institutional network.

Interested applicants please contact Dr. Zhaoyang Fan at [zhaoyang.fan@ucsf.edu](mailto:zhaoyang.fan@ucsf.edu). Review of applications will begin immediately and continue until the positions are filled.

UCSF is an equal opportunity, affirmative action employer. Compensation will be competitive and commensurate with experience.