



University of California
San Francisco



Post-doctoral Fellow Position for hyperpolarized ^{13}C and ^1H Metabolic Imaging Research

One postdoctoral fellow position is available in the Department of Radiology and Biomedical Imaging at the University of California, San Francisco. The postdoctoral fellow will participate in a multi-disciplinary research program that develops novel metabolic imaging techniques for brain tumors and neurological diseases. The postdoctoral fellow will work as part of a large team of clinical and research collaborators in the UCSF Brain Tumor Center as well as a group of graduate students, postdoctoral fellows, faculty and scientists in the Department of Radiology and Biomedical Imaging.

Primary Research areas focus on the:

- 1) Developing tools for acquiring, processing and analyzing hyperpolarized ^{13}C and ^1H MR metabolic imaging data for patients with brain tumors;
- 2) Analysis of hyperpolarized ^{13}C metabolic imaging, ^1H MRSI/MRS and MRI datasets for patients with brain tumors and other neurologic diseases.

Responsibilities:

All applicants will be expected to utilize and extend state-of-the-art imaging and spectroscopic processing, statistical and data analytic tools to analyze multimodal imaging and spectroscopic data from 3T and 7T research scanners in clinical populations. Specifically, the main tasks will involve data collection, management and analysis, including image segmentation, spectral analysis, multi-parametric cohort analysis, and the translational application of the developed tools to study patients.

Eligibility Requirements:

Applicants must have a PhD in biomedical imaging, applied mathematics, engineering, or related fields. Experience in brain metabolic imaging data (^1H or ^{13}C) is highly desirable. The ideal candidate will be highly motivated, reliable, and will be equally productive when working independently or cooperatively.

How to Apply:

Applicants should email a CV along with two references and recent research interests and activities to be sent to Yan Li (yan.li@ucsf.edu).

The University of California San Francisco is an affirmative action, equal opportunity employer and complies with all applicable laws and regulations.