

## **One Post-doctoral Fellow Position in Neuro-imaging Research**

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

### ***Primary Research areas focus on the:***

- 1) Developing tools for acquiring, processing and analyzing  $^1\text{H}$  MRS data from patients with neurologic and psychiatric diseases.
- 2) Advanced analysis of MRS, DTI, and resting state fMRI data in children with autism.

### ***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. Strong statistical, computational, and communication skills are desired. Experience in image processing (e.g. custom routines, matlab, R, segmentation and network analysis software package) or brain metabolic imaging data 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](mailto: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.*