Postdoctoral Researcher

Two postdoctoral researcher positions are available at the Surbeck Laboratory of Advanced Imaging, which is located on the Mission Bay campus of UCSF and houses one 3T and one 7T GE scanners for dedicated clinical research studies, in addition to a 600MHz vertical bore NMR spectrometer with imaging gradients. There are extremely strong programs in MR and brain imaging research at UCSF. The Advanced Imaging Center is a unit of the Department of Radiology at UCSF that is dedicated to the development, translation and evaluation of advanced MRI techniques. Its focus is to combine the talents of basic scientists, clinicians and engineers in order to develop new technology, investigate novel applications of existing technology and provide rapid optimization of clinical protocols. In addition to being used by faculty from the Department of Radiology, this center supports projects from researchers from the departments of Neurology, Pediatrics, Physiology, Pharmaceutical Chemistry, and Oncology. The unit includes an infrastructure for more than 50 research staff. The studies being performed at the center use a large number of different techniques, but have the common thread of pushing the boundaries of signal to noise, temporal and spatial resolution in the quantitative evaluation of human disease.

The positions are funded by NIH and foundation grants to develop advanced imaging techniques for in vivo brain studies.

One position will be focused on advancing techniques to improve fetal imaging.
One position will be working on the head only, compact 7T system currently in development.

Required Qualifications:
Ph.D. in physical sciences or engineering
Strong hands-on ability
Programming skills in C/C++, Matlab, python GPU programming experience
Statistical background

Preferred Qualifications:
Experiences with MRI image processing
Post-processing knowledge
GE EPIC programming experience

Please send inquiries and CV/resumes to
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