

Postdoctoral Position in Clinical Applications of Metabolic MRI and Pulmonary MRI

UCSF Department of Radiology and Biomedical Imaging
Surbeck Laboratory for Advanced Imaging

Description

A postdoctoral appointment is available under the supervision of Dr. Peder Larson at the Surbeck Laboratory for Advanced Imaging in the University of California - San Francisco (UCSF) Department of Radiology and Biomedical Imaging.

This position will include support of funded projects on the clinical translation of metabolic MRI using hyperpolarized carbon-13 agents and/or pediatric pulmonary MRI, requiring implementation and testing of novel MRI pulse sequences and image reconstructions in a clinical setting. They will be performed in collaboration with other imaging scientists as well as clinicians from Radiology and Pulmonology at UCSF. The ideal candidate will also explore new projects in the areas of real-time scan optimization, machine learning based image classification, extraction of unique functional biomarkers from the clinical data.

For more information on Prof. Larson's group visit

<http://www.radiology.ucsf.edu/research/labs/larson>

Qualifications

The position requires a PhD in bioengineering, electrical engineering, physics, or a related discipline. The ideal candidate should have a strong background in programming (Python, Matlab, etc) and medical imaging.

Facilities

The Surbeck Laboratory for Advanced Imaging includes two clinical GE MR systems at 3T and 7T. Three hyperpolarizers are positioned next to these systems, including an Oxford Instruments Hypersense and GE SpinLab system. The adjoining building houses the Biomedical NMR Laboratory, which has 2 Oxford Instruments Hypersense next to 3t and 14T preclinical imaging systems. There is also access to an electronics shop, machine shop, and high performance computing resources.

Application

Candidates must provide the following:

- Curriculum vitae (CV)
- Statement of research interests
- Contact information (email, phone) for three references

This position was announced September 6, 2018, and will remain open until filled.

If interested, please e-mail Prof. Larson (peder.larson@ucsf.edu).



University of California
San Francisco

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