

Postdoctoral Position in Metabolic MRI and/or 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 can include one or both of the following projects:

- Imaging of cellular transport and metabolism with hyperpolarized carbon-13 MRI
- Pulmonary MRI for pediatrics applications

Both projects will include MRI pulse sequence design, performing in vivo (animal and human) experiments, image reconstruction, and data analysis. They will be performed in collaboration with other imaging scientists as well as clinicians from Radiology and Pulmonology at UCSF.

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 April 23, 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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