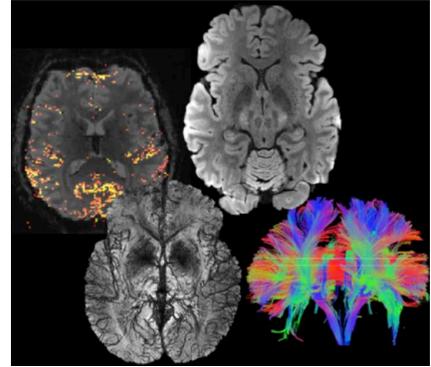


**Stanford** | Magnetic Resonance Systems Research Laboratory

 **Stanford** | Radiological Sciences Laboratory (RSL)  
MEDICINE | Department of Radiology

## Postdoc in Advanced Acquisition and Reconstruction for Neuroimaging.



A postdoc position is available to develop pulse sequence and image reconstruction algorithms for improving the speed, sensitivity and specificity of *in vivo* brain MRI. The postdoctoral fellow will be supervised by Dr. Kawin Setsompop. The research aim is to enable highly detailed brain imaging at unprecedented temporal and spatial resolutions, with a wealth of quantitative information about brain structure and physiology. Our lab works on a range of research topics including rapid brain exam, quantitative imaging, spatiotemporal imaging, and diffusion and fMRI. The project for this postdoc will be tailored to his/her background and interest within these areas. In general, we are seeking an individual with strong expertise in developing novel MRI pulse sequences and/or advanced reconstructions with e.g. constrained reconstruction and ML.

The position will be at the Magnetic Resonance Systems Research Lab (MRSRL) in Electrical Engineering and Radiological Sciences Lab (RSL) in Radiology, with direct access to the Richard M. Lucas Center for biomedical imaging in Radiology. The Lucas Center currently houses 4 GE human MRI scanners dedicated 100% to research including a 3T MR750, a 3T Premier, a 3T PET-MRI and a 7T MRI. The close proximity of the Lucas Center to the Schools of Medicine and Engineering fosters a truly transdisciplinary approach to research. This position will provide a valuable opportunity to work and collaborate with a diverse group of researchers developing cutting-edge technology that will impact both the neuroscience and clinical research communities. The acquisition technologies from our lab are in active use at many research and clinical sites worldwide, with some already translated into FDA-approved clinical products such as the Simultaneous Multi-Slice (SMS) technique on the Siemen, GE and Phillips platforms.

A Ph.D. in electrical engineering, physics, biomedical, or a related field is required. The candidate should have first-hand experience in MR physics, pulse sequence programming and image reconstruction algorithms. Candidates should be highly motivated and interested in working in an interdisciplinary environment.



Informal inquiries may be directed to Dr. Kawin Setsompop ([kawins@stanford.edu](mailto:kawins@stanford.edu)). Interested applicants should send a C.V., statement of your research experience and interests, and contact information of three referees. Please have “Postdoc Application: Your Name” in the e-mail subject line.

*Stanford is an equal opportunity employer and all qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status, or any other characteristic protected by law.*