Postdoc in advanced quantitative brain MRI methodology for measuring neurobiological changes from learning during childhood.

A postdoc position is available to develop new quantitative MRI acquisition methods and apply it to measure the neurobiological foundations of learning to better understand learning differences in early childhood. This is a unique training opportunity to work on an impactful project, where the postdoctoral fellow will receive valuable training in both cutting-edge MR methodological development and in applying such technology to an important application in the study of learning in young children and the role of educational intervention. The postdoctoral fellow will be co-supervised by Dr. Kawin Setsompop (Department of Radiology, Electrical Engineering) and Dr. Jason Yeatman (School of Education).

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 Siemens, 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.
- Alternatively, a candidate could hold a Ph.D. in Psychology or Cognitive Neuroscience, have strong technical skills and MRI experience, and a desire to bridge between neuroscience and MRI methods development.
- Candidates should be highly motivated and interested in working in an interdisciplinary environment.

Informal inquiries may be directed to Drs. Setsompop and Yeatman (kawins@stanford.edu & jyeatman@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.