Postdoctoral Fellow – MRI Physics
Center for Health Sciences

This Postdoctoral Fellow position will be focused on the development and analysis of new Magnetic Resonance Imaging (MRI) acquisition protocols for both clinical and preclinical scanning. The Stanford-SRI Neuroscience Program is funded by the NIH to conduct MRI-based studies of the brain using state-of-the-art imaging and computing. The successful candidate will join an internationally renowned lab with a highly multi-disciplinary working environment. Current research interests include Alcohol Use Disorders, HIV infection, normal brain development, Parkinson’s disease, and preclinical models. The Neuroscience program has access to 1.5T wide-bore and 3T GE human scanners and a 7T Bruker Biospec preclinical scanner.

Key responsibilities will include the development of new methodological approaches, algorithms, and software analysis pipelines and tools for MRI, fMRI, and DTI. Potential research activities include development of novel pulse sequences and contrast mechanisms for neuroimaging, as well as development of new, efficient approaches to delineate fMRI activation patterns in the brain and use of fiber tracking approaches for DTI data analysis.

Requirements:
PhD in Magnetic Resonance Physics, Bioengineering, Electrical Engineering, Computer Science or allied fields. Applicants will need to demonstrate interest and proficiency in all aspects of MRI acquisition and analysis techniques and experience in pulse sequence programming (GE or Bruker experience a major plus).

The successful candidate will have experience and interest in preclinical models, statistics, MR physics, programming (C or Matlab), signal and image processing. Excellent analytical, interpersonal, organizational, and spoken/written English communication skills are expected.

A post-offer, pre-laboratory physical examination may be required. Employment at SRI is contingent on successful completion of a background check.

About SRI Biosciences:
SRI Biosciences, a division of SRI International, integrates basic biomedical research with drug and diagnostics discovery and preclinical and clinical development. SRI International, a research center headquartered in Menlo Park, California, creates world-changing solutions to make people safer, healthier, and more productive.

How to apply:
Apply via our web page www.sri.com/careers to job number 1632BR. Include a cover letter describing research interest and relevant background when applying.

SRI International is committed to hiring and retaining a diverse workforce. We are proud to be an Equal Opportunity/Affirmative Action Employer, making decisions without regard to race, color, religion, creed, sex, sexual orientation, gender identity, marital status, national origin, age, veteran status, disability, or any other protected class.