A post-doctoral fellow position in advanced MRI neuroimaging research is available at the Laboratory of FMRI Technology (LOFT www.loft-lab.org) at the Stevens Neuroimaging and Informatics Institute of USC (http://www.ini.usc.edu). The postdoc fellow will be responsible for developing advanced simultaneous multislice (SMS) MR pulse sequences and reconstruction algorithms. The focus of the research will be on arterial spin labeled (ASL) perfusion and functional MRI at 3 and 7 Tesla with clinical applications in neurodevelopment, cerebrovascular diseases, and neurodegenerative diseases.

Through the Laboratory of FMRI Technology (LOFT) and Laboratory of Neuro Imaging (LONI) at the Stevens Neuroimaging and Informatics Institute at USC, the postdoctoral fellow will have access to the ideal environment for neuroimaging research. The newly formed Center of Image Acquisition (http://cia.ini.usc.edu) houses a state-of-the-art 3T Prisma and 7T Terra MR scanners for human brain imaging. The LONI image data archive (IDA) is one of the largest brain image collections that hosts various imaging repositories such as ADNI. The datacenter of LONI boasts 3,328 cores and 26 terabytes of aggregate memory space for Big Data brain image analysis and cloud computing for image reconstruction.

The ideal candidate should have a PhD in Physics, Biophysics, Biomedical Engineering, Computer Science, or related fields, and strong background in medical imaging. Prior research experience (publications and programming skills) in medical imaging is encouraged and a definite plus.

Interested applicant please contact:
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