Assistant Professor and Postdoc Positions in Neurovascular MRI at 3 and 7T at University of Southern California (**USC**)

An Assistant Professor and Postdoc Researcher position in neurovascular imaging at high and ultrahigh field are 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 positions will be mainly responsible for developing advanced neurovascular imaging technologies at 3 and 7T, and will be involved in clinical application studies. The focus of the research will be developing and optimizing advanced arterial spin labeled (ASL) techniques for mapping perfusion and blood brain barrier (BBB) function and other advanced quantitative MRI methods at 3 and 7T with clinical applications in cerebrovascular 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 candidates will have access to the ideal environment for neuroimaging research. The 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 AI based brain image analysis and cloud computing for image reconstruction.

The ideal candidates should have PhD in Physics, Biophysics, Biomedical Engineering, Electrical Engineering, or related fields, with a minimum of 2 year postdoc experience for Assistant Professor and demonstrated track record for publications. Siemens MRI pulse sequence programming skill and/or ultrahigh field experience is highly desired.

Interested applicant please contact:
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