Postdoctoral Position in brain MRI

Two postdoctoral positions are immediately available in the Laboratory of Functional MRI Technology (LOFT) at the Stevens Neuroimaging and Informatics Institute, University of Southern California (USC) in Los Angeles, California. One position will participate in developing and optimizing novel brain imaging techniques to investigate cerebral hemodynamics in various cerebrovascular diseases including stroke, intracranial atherosclerosis and Alzheimer’s disease. Another position will participate in developing novel neuroimaging techniques for studying neuromodulation methods and their applications in depression, stroke and dementia.

Requirements:
The ideal candidates should have a PhD in bioengineering, biophysics, electrical engineering or related disciplines with primary background of magnetic resonance imaging. The ideal candidates should be proficient in programming, such as C++, Matlab. Experience on pulse sequence design, particularly on Siemens platform, and/or image reconstruction will be a plus. Additional requirements include high self-motivation, ability of solving research problems independently, and excellent communication skills.

Facilities:
The Stevens Neuroimaging and Informatics Institute (INI), which is located on the campus of the Keck School of Medicine of USC, houses two state-of-the-art MRI systems (one Siemens Prisma 3T scanner and one Siemens 7T scanner), both are designed for research and clinical studies. It also provides dedicated supercomputing systems. The INI provides a rich environment in which multi-disciplinary faculty, research staff and graduate students interact regularly and collaborate on projects.

To apply for this position, please email your current curriculum vitae, a brief statement of research experience and interests, and a list of three references with contact information, to

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