



Postdoctoral Scientist Position – Neuroscience/Functional MRI

Department of Neurology – Rutishauser/ Sati Labs

The Groups of Drs. Rutishauser and Sati at Cedars-Sinai Medical Center in Los Angeles (CA) are seeking a highly motivated and talented Postdoctoral Scientist to lead new functional magnetic resonance imaging (fMRI) research projects in patients with neurological and neurosurgical conditions.

Working independently but in close collaboration within a multidisciplinary team of expert neuroscientists, neuroimagers, neurologists and neurosurgeons, our Postdoctoral Scientist will investigate the neural mechanisms of cognition in patients suffering from epilepsy, Parkinson's disease, multiple sclerosis or Alzheimer's disease. You will be primarily based in the group of Dr. Sati, with access to state-of-the-art 3T clinical scanners, and a cutting-edge 3T research scanner at the Biomedical Imaging Research Institute (BIRI). You will also collaborate with Dr. Rutishauser's group on an exciting new project involving a multi-modal study of the BOLD signal in epilepsy patients from which we are also performing intracranial single-neuron recordings. You will also have access to a comprehensive high-performance computing infrastructure.

Education Requirements: PhD in Neuroscience, Computer Science, Biomedical Science, Physics, or a related field is required.

Experience: At least 2-years of hands-on experience with acquisition, processing and analysis of fMRI data (task-based and/or resting-state). An advanced level of comfort and expertise using neuroimaging analysis platforms such as SPM, FreeSurfer, AFNI, or FSL are required. Strong programming skills (Matlab, Python or C/C++) and statistical skills (R or STATA) as well as experience with HPC analysis pipelines are preferred.

Interested applicants should forward a curriculum vitae to Dr. Rutishauser (Ueli.Rutishauser@cshs.org) and Dr. Sati (Pascal.Sati@cshs.org) or apply on the website:

<https://jobs.cedars-sinai.edu/job/los-angeles/postdoctoral-scientist-department-of-neurology-sati-rutishauser-lab/252/17852638>

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