



Postdoctoral Scientist Position – Advanced MRI in Neurological Diseases

Department of Neurology – Sati Laboratory

The newly established Neuroimaging Laboratory in the Department of Neurology at Cedars-Sinai Medical Center is seeking a talented and highly motivated Postdoctoral Researcher. Under the guidance of Dr. Sati, the Postdoctoral Fellow will lead cutting-edge neuroimaging research with the goal of discovering and validating innovative imaging biomarkers for the diagnosis and prognosis of various neurological disorders, including multiple sclerosis.

<https://www.neurologylive.com/view/the-future-of-multiple-sclerosis-imaging>

<https://pubmed.ncbi.nlm.nih.gov/27834394/>

You will work with MRI physicists, biomedical engineers, neuroradiologists and neurologists to develop, validate and deploy ultra-fast magnetic susceptibility-based MRI techniques in a clinical research setting. You will have access to state-of-the-art 3T clinical scanners, and two cutting-edge 3T research scanners at the Biomedical Imaging Research Institute (BIRI). You will also collaborate with the National Institute of Neurological Disorders to investigate these MRI techniques on ultra-high field (7T) scanners.

Education Requirements: PhD in Physics, Biomedical, Computer and/or Electrical engineering, or related fields.

Experience: At least 2-years of hands-on experience with MRI acquisition, processing and analysis of MRI data. A strong background in MRI physics and significant experience in programming (pulse sequence with IDEA, C/C++, Python, Matlab) are required. An advanced level of comfort and expertise using neuroimaging analysis platforms such as FreeSurfer, AFNI, FSL or SPM as well as experience with HPC analysis pipelines are preferred.

Interested applicants should forward a curriculum vitae with bibliography to Dr. Sati (Pascal.Sati@cshs.org) or apply directly to the website:

<https://jobs.cedars-sinai.edu/job/los-angeles/postdoctoral-scientist-department-of-neurology-neuroimaging-sati-lab/252/17852637>

Requisition # HRC0372799