

About the postdoctoral position

We are seeking a motivated postdoctoral researcher in the field of neuroimaging and informatics, to join INI Microstructural imaging Group, led by Farshid Sepehrband. The research will focus on structural and microstructural modelling of brain tissue, vascular and perivascular regions in patients with traumatic brain injury. The successful applicant will have experience in mathematical modeling, biomedical image analysis, statistical analysis, bioinformatics, big data, multimodal MRI, methods development in MRI, or data mining techniques.

The selected candidate will be part of USC Mark and Mary Stevens Neuroimaging and Informatics Institute and Laboratory of Neuro Imaging (INI, www.ini.usc.edu). INI focuses on development of advanced computational and scientific approaches for the comprehensive mapping of brain structure and function. LONI's unique multidisciplinary environment and cutting edge resources allow for integration of clinical, psychological and genotypic information with neuroimaging phenotypes for research questions in neurology, psychiatry and developmental neurobiology. We offers a wide range of computational and imaging resources:

- High performance computing
- 3T Prisma Siemens scanner
- 7T Terra Siemens scanner
- A collaborative environment within the Keck school of medicine of USC
- See [this](#) video tour of the facilities

Check out our last year's [newsletter](#) to learn more about researches that we do.

Requirement

- PhD in Biomedical imaging, computer science, applied mathematics, statistical analysis, neuroscience or related fields
- Experience with MR image analysis
- Image and signal processing
- Statistical and big data analysis

About Los Angeles

University of Southern California is located in the heart of Los Angeles, which has a lot to offer for any lifestyle:

- Beautiful beaches, nearby national parks and ski resorts
- A vibrant downtown area
- Art museum, theaters, authentic traditional restaurants
- It's one of the entertainment hubs of the world
- Growing tech industry (aka silicon beach)
- Mid-Century Modern Architecture
- Most importantly, diversity
- LA [drone footage](#)

Please send a short statement of purpose and full CV to [this email](#).

