The University of California Irvine, CA, USA

Postdoctoral Research in
MRI, Image processing, Deep learning, Motion correction

Position description: The Intelligent Medical Imaging Lab (IMAGINE) at the University of California Irvine has a Postdoctoral Research position. The projects involve development of new MRI techniques for motion-robust imaging and image processing. Level and salary are commensurate with qualifications.

Minimum requirements:

- **PhD** (finished or expected) in electrical or biomedical engineering, medical physics, computer science, applied mathematics, or a related field with a research focus on MRI, fetal MRI, diffusion MRI, functional MRI, quantitative MRI, signal and image processing, deep learning
- Demonstrated deep knowledge and experience in MRI
- High-quality publications in top journals, English language proficiency

Highly desired qualifications:

- Experience in developing innovative methods for
  - Deep learning for MRI (artifact correction, harmonization, image enhancement, and image reconstruction)
  - MRI reconstruction, motion and distortion correction
  - Functional MRI, Diffusion MRI, Quantitative MRI processing
  - C++/Python/CUDA programming for real-time imaging
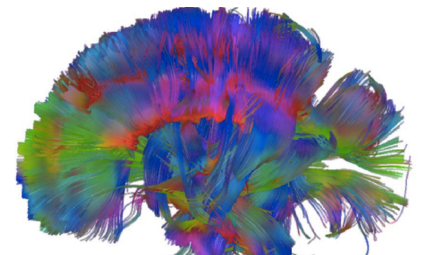
About: The IMAGINE lab is in the Irvine campus of UCI, situated in Orange County, with year-round pleasant climate, stunning Pacific Ocean locales, and opportunities for lots of activities. There are established and abundant opportunities for collaborations across the **UC campuses** including consortiums, National Centers, CAIDM, as well as Children's Hospital of Orange County and many other institutes across the US including Boston Children's Hospital, Harvard Medical School. Projects are funded by awards from the US National Institutes of Health, and are in collaboration with clinicians, scientists, and industrial partners.

To apply: Interested candidates, please apply at

https://recruit.ap.uci.edu/JPF09849

For questions and inquiries, email **Ali Gholipour**
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