



David Geffen
School of Medicine

UCLA Health System

Postdoctoral Fellow in Machine Learning and Image Analysis of Prostate MRI

Qualifications: A postdoctoral fellow is now available for a qualified candidate in the [Sung Lab](#), Magnetic Resonance Research Labs (MRRL), Department of Radiological Sciences, UCLA. We are looking for a highly motivated individual to conduct research in the area of **Machine Learning** and/or **Image Analysis** for detecting and diagnosing prostate cancer. Our current projects include 1) semi-supervised MRI-based prostate cancer prediction with deep generative learning, and 2) improved correlation of prostate multi-parametric MRI with histologic findings. The specific project will be determined based on the interests of the mentor and candidate.

The successful candidates will participate in all stages of investigation including theoretical advancements, experimental design, and data collection and analysis. The position requires strong verbal and written communication skills, and the ability to interact with others with diverse areas of expertise.

Requirements: We seek highly qualified individuals who are highly motivated, flexible, detail-oriented, collaborative, and hold a commitment to research excellence. Candidates should have a recent PhD (or soon-to-be conferred) in Computer Science, Electrical Engineering, Biomedical Engineering, or a related field and have strong experience in at least one of the following areas: machine learning, deep learning, or image analysis. Candidates with previous research experience working with medical images are highly desirable but not required.

Environment: Magnetic Resonance Research Labs (MRRL) in the Department of Radiological Sciences at the University of California Los Angeles has six faculty members and more than 30 staff, students, and postdoctoral fellows. MRRL has access to three clinical research Siemens MRI systems (3T Prisma, 3T Skyra and 1.5T Avanto^{Fit} systems), as well as a dedicated research-only MRI facility (3T Prisma system). For more information, please visit <http://mrri.ucla.edu/sunglab/>

To apply, email a single PDF-file containing the following: curriculum vitae (CV), statement of research experience and interests, and contact information for two references with the subject heading "Postdoctoral Fellow" to: Kyung Sung, Ph.D. (KSung@mednet.ucla.edu). Salary will be based on University guidelines for postdoctoral fellows and will be commensurate with experience.

The University of California is an affirmative action/equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability, age, or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination & Affirmative Action Policy.