Cardiovascular MRI Research Positions

UCLA Magnetic Resonance Research Laboratories

Investigators in the UCLA Magnetic Resonance Research Laboratories (MRRL) seek two enthusiastic candidates for funded positions. Projects include developing and applying advanced cardiovascular magnetic resonance imaging methods to detect and quantify indices of cardiovascular disease in human patients and animal models. **We seek PhD, MD, and MD/PhD candidates.** Excellent oral and written communication skills and the ability to work independently and in a team are expected. Post-doctoral candidates, project scientists, or research staff scientists will be considered. Salary scale is negotiable and commensurate with experience.

**PhD candidates** should hold a degree in Biomedical Engineering, Electrical Engineering, Biomedical Physics, Mechanical Engineering, Computer Science, Material Science, Physiology, or a closely related field. Desired skills include experience in MRI, Siemens IDEA and ICE programming, image reconstruction and processing, and cardiovascular disease research. The candidate is expected to be proficient in MATLAB, C++, Python. Experience in computational modeling of the cardiovascular system and/or machine learning is also desired.

**MD or MD/PhD candidates** should have experience in cardiovascular MRI research and/or computational modeling (multiscale biology). Prior experience in cardiovascular interventional procedures and ischemic/infarct modeling in large animals would be ideal. The candidate is expected to have prior first author publications.

Successful candidates will join a group of physicians and imaging scientists within the Diagnostic Cardiovascular Imaging (DCVI) Section, Magnetic Resonance Research Laboratories, and UCLA-VA Division of Cardiology to develop a career in translational cardiovascular MRI research. The candidates will work with faculty members in UCLA Radiology and Cardiology. The DCVI Section and the MRRL are highly integrated as the UCLA Cardiovascular MRI research program. The DCVI Section is internationally recognized for cardiovascular MRI research and has a long history of excellence in translational research and development. There are State-of-the-Art clinical grade Siemens MRI scanners to facilitate translational work and additional support is provided by 3 local Siemens scientists. The MRRL is comprised of 30+ faculty, post-doctoral fellows, students, and staff scientists who are also affiliated with the Physics and Biology in Medicine Graduate Program and the School of Bioengineering. The David Geffen School of Medicine at UCLA is a member of the NIH Clinical & Translational Research Consortium. Collaborative conferences and symposiums facilitate networking opportunities and career development across several interdisciplinary fields of imaging and medicine. Opportunities for post-doctoral candidates to successfully mature and develop are plentiful.

Please send CV and research statement to:

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