Job Title: Project Scientist
Magnetic Resonance Research Laboratories
Department of Radiological Sciences
David Geffen School of Medicine
University of California Los Angeles

Job Description: The Magnetic Resonance Research Laboratories (MRRL) in the Department of Radiological Sciences at UCLA has an immediate opening for a Project Scientist. The candidate will work with principal investigators in the UCLA MRRL to develop, lead, and support research projects, including quantitative body and cancer MRI, MR spectroscopy, cardiovascular MRI, MRI-guided interventions, and artificial intelligence for MRI. Research projects will engage with interdisciplinary teams and span medical imaging theory, computational modeling, image acquisition and reconstruction, image processing, quantitative image analysis, pre-clinical investigation, and clinical translation and evaluation. The candidate will also be expected to establish and maintain the Lab’s research infrastructure, develop and implement best practices, manage and coordinate experiments, supervise doctoral and postdoctoral trainees, author scientific publications, and develop the scientific components of grant applications.

Specific Responsibilities include but are not limited to:
• Lead independent research projects and support collaborative projects.
• Collaborate with a diverse team of investigators and trainees to advance the research projects at UCLA MRRL.
• Design, implement, and test novel MRI pulse sequences for research and clinical translation.
• Design, implement, and test novel imaging protocols and analysis methods for research studies.
• Author scientific publications and grant proposals.
• Complete and maintain up-to-date training for laboratory safety, animal research, biological specimen research, and human subject research in accordance with UCLA guidelines.
• Establish and maintain research infrastructure, such as computer systems, storage devices, and software environments.
• Develop and update standard operating procedures and best practices for research projects.
• Supervise doctoral and postdoctoral trainees and staff members in MRRL.
• Train and mentor MRRL members in MR physics concepts and data analysis.
• Support and participate in the Lab’s educational programs.
• Communicate clearly and effectively, both verbally and in writing, and independently complete scientific/technical reports and presentations.

Qualifications: We are looking for candidates with a strong background in biomedical engineering and MRI who are motivated to elevate or acquire new skills in pulse sequence design, image reconstruction, quantitative signal modeling, data analysis, machine/deep learning, and translational imaging applications. Applicants should hold a
Ph.D. in biomedical engineering, electrical engineering, biomedical physics, computer science, or related discipline. Prior experiences and publications on MRI research and proficiency in software programming (e.g., MATLAB, C++, Python), including pulse sequence programming, are expected. Familiarity with the Siemens platform is preferred but not required.

About UCLA MRRL: The MRRL currently has eight faculty members and more than 30 staff, students, and post-doctoral research fellows. The MRRL collaborates closely with clinicians and engineers at UCLA. The MRRL has access to five clinical research Siemens MRI systems (3T Vida, 3T Prisma, 3T Skyra, 1.5 T Sola, and 1.5T Avanto Fit systems), as well as a dedicated imaging research facility for pre-clinical studies (including one 3T Prisma). For more information, please visit https://mrrl.ucla.edu/

Application Requirements:

Document requirements
- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter
- Statement of Research
- Statement on Contributions to Equity, Diversity, and Inclusion - An EDI Statement describes a faculty candidate’s past, present, and future (planned) contributions to equity, diversity, and inclusion. To learn more about how UCLA thinks about contributions to equity, diversity, and inclusion, please review our Sample Guidance for Candidates and related EDI Statement FAQ document.

For further inquiries please submit CV and statement of interest to:
Help Contact: HWilbur@mednet.ucla.edu Subject Heading: MR Project Scientist

This appointment is subject to amendment based on any changes to applicable collective bargaining agreements.

The posted UC salary scales (https://www.ucop.edu/academic-personnel-programs/_files/2023-24/july-2023-acad-salary-scales/t37-b.pdf) set the minimum pay determined by rank and step at appointment. See Table 37B. The salary range for this position is $71,500-$188,400.

Cultural North Star. The shared values of the DGSOM are expressed in the Cultural North Star, which was developed by members of our community and affirms our unwavering commitment to doing what’s right, making things better, and being kind. These are the standards to which

Applicants are invited to upload a current curriculum vitae and a list of 3-5 references to the UC Recruit online posting at https://apprtrkr.com/4617125. Only applicants that apply through this website will be considered.
we hold ourselves, and one another. Please read more about this important DGSOM program at https://medschool.ucla.edu/cultural-north-star.

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination & Affirmative Action Policy
We welcome candidates whose experience in teaching, research, or community service has prepared them to contribute to our commitment to diversity and excellence.