

Assistant/Associate Project Scientist – Christodoulou Lab
University of California Los Angeles

Requisition Number: JPF11336

The Department of Radiological Sciences at UCLA is seeking an experienced researcher to join the Christodoulou Lab as an Assistant or Associate Project Scientist. The position requires a PhD degree. The position will focus on cardiovascular and abdominal MRI, with emphasis on motion-resolved quantitative imaging and non-Cartesian acquisition. The incumbent will be expected to lead the development, validation, deployment, and ongoing stewardship of the laboratory's research MRI pulse-sequence platform. The incumbent will also make significant original and creative contributions to new acquisition methods, maintain a reliable, shared platform across research studies and collaborations, and coordinate human MRI experiments in accordance with approved protocols. This is intended as a 100% appointment, subject to final academic review, visa eligibility, programmatic need, and funding availability.

Responsibilities:

- Lead the design, implementation, optimization, and translation of new research MRI pulse sequences using Siemens IDEA for cardiovascular and abdominal applications.
- Develop motion-resolved quantitative MRI methods using non-Cartesian acquisition and collaborate on acquisition-reconstruction co-design.
- Manage the laboratory's shared pulse-sequence platform, including Git-based version control, releases, scanner and software-version compatibility, deployment, and maintenance.
- Establish and execute testing, validation, quality-assurance, and documentation procedures for pulse-sequence releases and vendor software upgrades.
- Coordinate and conduct phantom and human research MRI experiments under approved protocols, including technical preparation, protocol implementation, scheduling, and occasional healthy-volunteer recruitment and consent when delegated under the applicable protocol.
- Provide technical guidance, onboarding, and troubleshooting to trainees, staff, and collaborators as they establish MRI experiments; this role does not include formal supervision.
- Maintain technical resources and support the transfer, deployment, and use of pulse sequences in collaborative studies.

- Contribute to manuscripts, scientific presentations, grant applications, and progress reports.

About the Christodoulou Lab:

The Christodoulou Lab in the UCLA Department of Radiological Sciences develops advanced MRI acquisition and reconstruction methods for efficient, motion-resolved, quantitative imaging of the cardiovascular and abdominal systems. The laboratory integrates pulse-sequence design, non-Cartesian sampling, image reconstruction, and translational human studies, with an emphasis on free-breathing imaging and shared research platforms that enable collaborative development.

Applicants will also be invited to upload their current curriculum vitae and a list of 3-5 references to the UC Recruit online posting at

<https://recruit.apo.ucla.edu/JPF11336>. Only applicants that apply through this website will be considered.

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/2026-27/represented-july-2026-scales/t37-b.pdf set the minimum pay determined by rank and step at appointment. The salary range for this position is \$79,400 - \$106,100.

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 unswerving commitment to doing what's right, making things better, and being kind. These are the standards to which we hold ourselves, and one another. Please read more about this important DGSOM program at <https://medschool.ucla.edu/cultural-north-star>.

To apply, please visit: <https://apptrkr.com/9837541>

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