Assistant/Associate/Full Project Scientist - Neuroscience MR-Imaging - Feinberg Lab - Department of Neuroscience
University of California Berkeley

Job Title	Assistant/Associate/Full Project Scientist - Neuroscience MR-Imaging - Feinberg Lab - Department of Neuroscience
Department	Neuroscience
Institution	University of California Berkeley Berkeley, California
Date Posted	Sep. 3, 2025
Application Deadline	10/06/2025
Position Start Date	Available immediately
Job Categories	Professional Staff Research Scientist/Associate
Academic Field(s)	Electrical and/or Electronics Computer Science Bioengineering (all Bio-related fields)
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Job Description

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Position overview
Salary range:

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The UC academic salary scales set the minimum pay determined by rank and step at appointment. See the following table(s) for the current salary scale(s) for this position: https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t37-b.pdf. The current base salary range for this position is $74,100-$140,700. "Off-scale" salaries, which yield compensation that is higher than the published system-wide salary at the designated rank and step, are offered when necessary to meet competitive conditions.

Percent time: 100%

Anticipated start: 2024/2025

Position duration: One year with the possibility of extension based on performance and availability of funding.

Application Window
Open date: October 7, 2024

Next review date: Tuesday, Sep 30, 2025 at 11:59pm (Pacific Time)
Apply by this date to ensure full consideration by the committee.

Final date: Monday, Oct 6, 2025 at 11:59pm (Pacific Time)
Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Position description

The Department of Neuroscience at the University of California, Berkeley seeks applications for an Assistant/Associate/Full Project Scientist in the area of brain MR Imaging in the Feinberg Lab. The goal of the project supporting this position is to advance scientific discovery using the Next Generation (NexGen) 7T scanner, the most powerful 7T scanner in the world. The project supports the NexGen 7T scanner as a resource for the neuroscience research community to perform neuroimaging at the scale of cortical layers and columns. Towards this effort, the Project Scientist will participate and assist in leading NexGen 7T research projects. The position is part of a collaborative team-building effort in the Feinberg Lab, combining expert scientists in hardware, software and neuroscientists.

The Project Scientist will be expected to collaborate with academic and industrial partners, as well as mentor and train graduate and undergraduate students. The Project Scientist will also be expected to lead the development of novel imaging sequences and image reconstruction techniques to fully utilize

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the NexGen 7T scanner's high performance Impulse gradient system at 7T (200mT/m, 900 slew rate), 64 - 128 channel high-density receiver arrays, dynamic shim array, and 16 channel parallel transmit system.

In addition to experimental research, general support duties include:

- Supporting project related pulse sequences and updating external users' sequence code to operate on the current NexGen 7T scanner platform.
- Manage QA of the RF coils and scanner peripherals
- Collaborate with industrial partners on the maintenance of scanner components
- Contribute to the maintenance of lab SOPs and scan protocols
- Data collection and storage management
- Data processing, analysis, and image reconstruction

Additional duties include:

- Preparation and submission of manuscripts
- Preparation and submission of grants
- Response to reviewers
- Presentation at conferences
- Attend weekly lab meetings and give regular presentation at these meetings

Contract: https://ucnet.universityofcalifornia.edu/resources/employment-policies-contracts/bargaining-units/academic-researchers/contract/

Lab: https://www.advancedmri.com/index.html

Qualifications
Basic qualifications (required at time of application)

- PhD (or equivalent international degree)

Preferred qualifications

- PhD (or equivalent international degree) in the area of Neuroscience, Bioengineering, Electrical Engineering, Physics, Computer Science etc. or a related field
- Demonstrated experience in high resolution functional and structural MR-imaging of the brain
- A track record of peer-reviewed publications and talks at conferences

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- Demonstrated experience in MRI sequence programming
- Demonstrated experience in MRI reconstruction and parameter mapping
- Demonstrated experience in high field MR-imaging
- Demonstrated programming skills in C, C++, Python and MATLAB
- Demonstrated experience in MRI hardware engineering (e.g., RF systems & circuit design)
- Ability to communicate research to public and potential partners
- Experience in any subset of: MRI pulse sequence design, MRI parameter mapping, MRI Image reconstruction, or MRI RF system development. This position will require experience in high field, high resolution functional and structural MR-imaging of the brain.

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter (Optional)

Reference requirements

- 3 required (contact information only)

Apply link: https://aprecruit.berkeley.edu/JPF04290

Help contact: david.feinberg@berkeley.edu

About UC Berkeley

UC Berkeley is committed to diversity, equity, inclusion, and belonging in our public mission of research, teaching, and service, consistent with UC Regents Policy 4400 and University of California Academic Personnel policy (APM 210 1-d). These values are embedded in our Principles of Community , which reflect our passion for critical inquiry, debate, discovery and innovation, and our deep commitment to contributing to a better world. Every member of the UC Berkeley community has a role in sustaining a safe, caring and humane environment in which these values can thrive.

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For more information, please refer to the University of California's Affirmative Action and Nondiscrimination in Employment Policy and the University of California's Anti-Discrimination Policy.

In searches when letters of reference are required all letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality prior to submitting their letter.

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.

As a condition of employment, the finalist will be required to disclose if they are subject to any **final** administrative or judicial decisions within the last seven years determining that they committed any misconduct.

- "Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment or discrimination, as defined by the employer.
- UC Sexual Violence and Sexual Harassment Policy
- UC Anti-Discrimination Policy
- APM - 035: Affirmative Action and Nondiscrimination in Employment

Job location
Berkeley, CA

To apply, visit https://aprecruit.berkeley.edu/JPF04290

Contact Information

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

Contact

N/A

University of California Berkeley

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