

Assistant/Associate Project Scientist - AI+Chemistry for
Climate Change - College of Computing, Data Science,
and Society
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=248322>

Downloaded On: Nov. 8, 2024 12:36am

Posted Nov. 6, 2024, set to expire Dec. 6, 2024

Job Title Assistant/Associate Project Scientist - AI+Chemistry
for Climate Change - College of Computing, Data
Science, and Society

Department College of Computing, Data Science, and Society

Institution University of California Berkeley
Berkeley, California

Date Posted Nov. 6, 2024

Application Deadline 12/05/2024

Position Start Date Available immediately

Job Categories Research Scientist/Associate

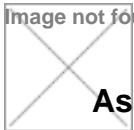
Academic Field(s) Chemistry - General

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Job Description

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**Assistant/Associate Project Scientist - AI+Chemistry for Climate Change - College of
Computing, Data Science, and Society**

Position overview

Position title: Assistant Project Scientist

Salary range: The UC academic salary scales set the minimum pay determined by rank and step at appointment. See the following table for the salary scale for this position:

https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t37-b.pdf

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. The current base salary range for this position is 74,000 - \$94,300. 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: Fall/Winter 2024

Position duration: 12 month appointment with the possibility of an extension depending on performance and continuation of appropriate funding.

Application Window

Open date: November 5, 2024

Next review date: Wednesday, Nov 20, 2024 at 11:59pm (Pacific Time)

Apply by this date to ensure full consideration by the committee.

Final date: Thursday, Dec 5, 2024 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 Bakar Institute of Digital Materials for the Planet (BIDMaP) is an institute in UC Berkeley's new College of Computing, Data Science, and Society (CDSS), bringing together machine learning and data science with the natural sciences to address one of society's most urgent challenges: climate change. BIDMaP is focused on developing new techniques in machine learning that will enhance and accelerate discovery in experimental natural sciences and development of novel materials to address climate change. To this end, BIDMaP promotes collaboration between world-renowned AI/ML experts and chemists, as well as other physical scientists. Among other new materials, we explore modular materials such as metal-organic frameworks (MOFs) and covalent organic frameworks (COFs) for clean air, clean energy, and clean water. BIDMaP is seeking applications for an Assistant/Associate Project Scientist to research new MOF and COF structures, using advanced machine learning techniques to predict, synthesize, and characterize crystals optimized for target climate interventions.

The successful candidate will be making measurements on wood clumped isotope compositions. This will include sample preparation and high-resolution mass spectrometry. The candidate will also conduct either or both field work and greenhouse experiments to collect and create samples and work

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collaboratively with other members of BIDMAP including faculty, postdocs and students.

Labor Contract: <https://ucnet.universityofcalifornia.edu/labor/bargaining-units/ra/contract.html>

Qualifications

Basic qualifications (required at time of application)

PhD or equivalent international degree

Preferred qualifications

- PhD in Chemistry or Chemical Engineering.
- Experience developing and applying artificial intelligence (AI) and machine learning (ML) methods for materials, molecular structures, especially MOFs and COFs.
- Experience conceptualizing and proving concept for devices that utilize novel materials in a functional capacity.
- Interest in climate change applications.
- Demonstrated ability to work in a team and build effective relationships.
- Excellent verbal and written communication skills to document findings in reports and publications.
- Experience mentoring students, working in an interdisciplinary environment and developing cross cutting grant proposals.

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Statement of Research

Reference requirements

- 3 required (contact information only)

Apply link: <https://aprecruit.berkeley.edu/JPF04691>

Help contact: jspitzer@berkeley.edu

About UC Berkeley

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UC Berkeley is committed to diversity, equity, inclusion, and belonging. The excellence of the institution requires an environment in which the diverse community of faculty, students, and staff are welcome and included. Successful candidates will demonstrate knowledge and skill related to ensuring equity and inclusion in the activities of their academic position (e.g., teaching, research, and service, as applicable).

The University of California, Berkeley is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status.

Please refer to the [University of California's Affirmative Action 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.

Job location

Berkeley, CA

To apply, visit <https://aprecruit.berkeley.edu/JPF04691>

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact



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N/A

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