Assistant Project Scientist - Dispersed Oxides and Carbide, Iglesia Group - Chemical & Biomolecular Engineering
University of California Berkeley

Job Title	Assistant Project Scientist - Dispersed Oxides and Carbide, Iglesia Group - Chemical & Biomolecular Engineering
Department	Chemical & Biomolecular Engineering
Institution	University of California Berkeley Berkeley, California
Date Posted	Feb. 27, 2025
Application Deadline	03/29/2025
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Chemical/Petroleum
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Job Description

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Position overview

Salary range: The UC academic salary scales set the minimum pay determined by rank and step at appointment. See the following table for the current salary scale for this position: https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t38-b.pdf. A reasonable estimate for this position is $93,700 - $117,600.

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Percent time: 100%

Anticipated start: 03/30/2025

Position duration: 12 months

Application Window
Open date: February 26, 2025

Next review date: Thursday, Mar 13, 2025 at 11:59pm (Pacific Time)
Apply by this date to ensure full consideration by the committee.

Final date: Saturday, Mar 29, 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 Chemical and Biomolecular Engineering at the University of California, Berkeley seeks applicants for an Assistant Project Scientist, with specific expertise in the areas of Synthesis and Structural and Mechanistic Characterization of Dispersed Metal Nanoparticles.

The appointee will conduct research and lead research projects involving the synthesis and spectroscopic and chemical characterization of nanoparticle surfaces dispersed on mesoporous oxides with emphasis on systematic changes in composition and structure through the use of diverse supports and metal/oxide promoters. The research will be directed by Professor Enrique Iglesia. The appointee must demonstrate a track record of training and contributions in these areas of research and a publication record that demonstrates effective engagement in research activities of high quality and relevance.

Additional research areas that the appointee may work in can include, but will not be limited to, rigorous evaluation of the performance and mechanism for selective oxidation reactions through measurements of catalytic rates and selectivities at practical conditions and the use of transient methods in assessments of chemical binding and reactivity of metal nanoparticle surfaces. The successful candidate will have a proven record of accomplishment in the modeling of reaction-convection-diffusion processes relevant for descriptions of packed bed reactor systems with complex hydrodynamics.

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The appointee will be expected to generate research results, to draft research progress reports and manuscripts, and to participate in academic-industry collaborative projects.

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

Represented Project Series B/E/E Salary Scale: https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t38-b.pdf

Iglesia Lab Website: http://iglesia.cchem.berkeley.edu/

Qualifications

Basic qualifications (required at time of application)

- PhD (or equivalent international degree) or enrolled in a PhD (or equivalent international degree) program

Additional qualifications (required at time of start)

- PhD (or equivalent international degree) in an engineering field.

Preferred qualifications

- PhD in Chemical Engineering with a focus on Catalysis Skills
- Demonstrated knowledge to complete the end phase of the BASF project "Catalytic Synthesis of Ethylene Oxide on Ag Nanoparticles"

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Statement on Contributions to Diversity, Equity, Inclusion, and Belonging - Statement on your contributions to diversity, equity, inclusion, and belonging in research, teaching, and service, including information about your record of activities to date, and plans for contributing if hired at UC Berkeley. More Information and guidelines.

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Reference requirements

- 3-5 required (contact information only)

Apply link: https://aprecruit.berkeley.edu/JPF04743

Help contact: sarahmf@berkeley.edu

About UC Berkeley

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.

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, are currently being investigated for misconduct, left a position during an investigation for alleged misconduct, or have filed an appeal with a previous employer.

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- "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, discrimination, dishonesty, or unethical conduct, as defined by the employer.
- UC Sexual Violence and Sexual Harassment Policy
- UC Anti-Discrimination Policy for Employees, Students and Third Parties
- APM - 035: Affirmative Action and Nondiscrimination in Employment

Job location
Berkeley, CA

To apply, visit https://aprecruit.berkeley.edu/JPF04743

Contact Information

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

Contact

N/A
University of California Berkeley
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