Postdoctoral Fellow, UAS 1587
Chemistry and Biochemistry

Salary Range: 20.19 - $21.92/hourly

Work Schedule: This is full-time, non-exempt position; Monday – Friday, hours to be determined. This position is eligible for benefits.

Essential Functions: Under the general supervision of the Principal Investigator, the incumbent is responsible for leading research in the area of mechanistic chemistry and/or photochemistry. The project involves the exploration of reaction kinetics, mechanisms and/or photocatalysis with solid-state materials. The incumbent is responsible for: designing and implementing research protocols; adapting new procedures, methods, or instrumentation relative to research procedures; collecting, preparing, and analyzing research data; documenting and summarizing experiments and recording research data; publishing innovative research in high-level peer-reviewed leading technical journals; presenting cutting-edge research at technical conferences; overseeing laboratory safety and equipment maintenance; overseeing personnel in the laboratory to coordinate research efforts for increased efficiency; training of students and volunteer workers; and assisting with ordering and procurement of supplies and equipment, and with general maintenance of laboratory.

Requirements: The incumbent must have a doctoral degree from an accredited college or university in Organic Chemistry, Inorganic Chemistry, Materials Chemistry, or a closely related science, technology, engineering or mathematics (STEM) field. The incumbent must have laboratory experience in mechanistic studies of organic reactions; and experience using instruments and data analysis such as: gas chromatography–mass spectrometry (GC-MS), nuclear magnetic resonance (NMR), Fourier-transform infrared spectroscopy (FT-IR), and ultraviolet visible spectroscopy (UV-vis). The incumbent must also have a record of independent research, publications, and conference presentations. The incumbent must demonstrate an interest and or ability in working in a multicultural/multiethnic environment. Fingerprinting will be taken and checked by the California Department of Justice and the FBI. The incumbent may be responsible for the fingerprinting processing fee. A completed UAS employment application is required.

Desired Qualifications: Extensive laboratory experience working with a range of organic synthesis and/or photocatalysis; technical experience and a proven publication record in the area of mechanistic organic photochemistry, ideally related to sulfur and/or phosphorus chemistry; experience with materials synthesis and characterization techniques. Knowledgeable about heterogeneous catalysis and methodologies to explore the mechanisms. Familiarity with and willingness to explore connections between science and organic photochemistry.
Review of applications/resumes will begin June 11, 2019 and will continue until the position is filled; however, the position may close when an adequate number of qualified applications are received. You may apply to: uashr@cslanet.calstatela.edu or mail to: Cal State LA University Auxiliary Services Inc., 5151 State University Drive, GE 310, Los Angeles, CA 90032-8534

UAS hires only those individuals lawfully authorized to work in the United States. Americans with Disabilities (ADA) requested accommodations should be made in advance to the UAS Human Resources Department. UAS is an Affirmative Action/Equal Opportunity Employer.

Cal State LA University Auxiliary Services, Inc. is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex including sexual orientation and gender identity, national origin, disability, protected Veteran Status, or any other characteristic protected by applicable federal, state, or local law.

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