Part-time Postdoctoral Fellow, UAS 1653  
Chemistry and Biochemistry

Salary Range: $20.00 - $30.90/ hourly

Work Schedule: This is part-time, non-exempt positon; Monday – Friday, up to 28 hours per week. This position is not eligible for benefits. This is a temporary appointment expiring on or before October 31, 2021, with the possibility of renewal contingent upon the availability of funds.

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 and must have solid experience in this area. The project involves the exploration of reaction kinetics, mechanisms and/or photocatalysis with solid-state materials. The incumbent will be responsible for designing and implementing research protocols; adapting new procedures, methods, or instrumentation relative to research procedures; collect, prepare, and analyze research data; keep a detailed notebook to document and summarize experiments and record research data; publish in innovative research in high-level peer-reviewed leading technical journals; present cutting-edge research at technical conferences; oversee laboratory safety and equipment maintenance; train students and volunteer workers as needed; and assist with ordering and procurement of supplies and equipment, and with general maintenance of the laboratory.

Requirements: The incumbent must have a doctoral degree from an accredited college or university in Organic Chemistry, Inorganic Chemistry, Materials Chemistry, 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 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 materials science and organic photochemistry.

Review of applications/resumes will begin November 21, 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.

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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