Graduate Research Assistant, UAS 1584 (2 positions)
Chemistry and Biochemistry

Salary Range: $14.25 - $16.00/hourly

Work Schedule: This is a part-time position; Monday – Friday, hours to be determined; non-exempt position. This position is not eligible for benefits.

Position Overview: Under the general supervision of the Principal Investigator (PI), the Graduate Research Assistant will be responsible for conducting research in the areas of materials chemistry and/or photochemistry. The project involves the synthesis and characterizations of metal-organic frameworks, exploration of reaction kinetics, mechanism and/or photocatalysis with solid-state materials.

Duties:

50%- Synthesize and characterize new or known solid-state materials; test their catalytic properties; study the kinetics of photocatalysis; and optimize experimental conditions.

40%- Collect, prepare and analyze research data; write peer-review journal articles; and present research in group meetings or scientific conferences.

5%- Assist with ordering and procurement of supplies and equipment and with general maintenance of the laboratory.

5%- Other duties as assigned.

Requirements: The incumbent must have a Bachelor’s degree in Chemistry, Biochemistry, or a closely related Science, Technology, Engineering, or Mathematics (STEM). The incumbent must be a student currently enrolled in the Master’s Program in the Department of Chemistry and Biochemistry at Cal State L.A. A completed student employment application is required along with proof of course schedule to determine enrollment status. The incumbent must have 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 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: Experience with material synthesis, characterization techniques, and laboratory experience working with a wide range of organic synthesis and/or photocatalysis. Knowledgeable of heterogeneous catalysis and methodologies to explore the mechanisms. A record of independent research, publications, and conference presentations.

Review of applications/resumes will begin February 27, 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.