

Graduate Student in Microbial Natural Products; University of the Pacific

Description

Job Description – The Carlson Lab in the Pharmaceutical and Chemical Sciences Program at University of the Pacific seeks a masters or doctorate student starting for the fall semester of 2023. The focus areas of this laboratory are Bioanalytical Chemistry and Drug Discovery. Details on focus areas and program details can be found on the program website below. The candidate is expected to isolate and identify natural products, develop a command of NMR experiments and sterile technique, master chromatography, biosynthesis, and structure elucidation. Some molecular biology will be required to identify microbial isolates that produce biologically active molecules. Doctoral students interested in natural product metabolomics are specifically sought. The ideal candidate should feel at home at a small institution and be willing to put significant time and effort into good teaching practices. However, proximity to the Bay area (San Francisco, a major biotech research and drug discovery hub) makes this a great opportunity for those looking for an industry focused master's degree and launching point. Graduate students at Pacific routinely take internships at major corporations and receive job offers upon completion of their studies. As a mentor and supervisor, I encourage local candidates, first generation graduate students, parents, regardless of race, gender, gender-identity, national origin, or other non-merit factor to apply.

Responsibilities – In addition to maintaining good standing in graduate coursework and completing laboratory research, teaching will be a large component of the position. As a small liberal arts school, the University of the Pacific prides itself in the undergraduate learning experience. The candidate will lead research experiences for undergraduates in the research lab and will be required to develop their own independent mentorship style. This position is currently fully funded through teaching assistantships that will provide abundant teaching experience in the classroom. Team players and those interested in honing their mentorship would be a great fit.

Qualifications – Must have (*Lab specific, remaining are program requirements): •Must have taken organic chemistry series* •Bachelor's Degree in Chemistry, Biology, or related field* •Undergraduate GPA 3.0 or higher •GRE new 303, old 1100 – scores must be from after July 2014 •English proficiency requirements as listed on the website below

Contact – Skylar Carlson, scarlson1@pacific.edu

Post End Date – 07/31/2023

Contacts

Website – <https://www.skylarcarlson.com/>

Hiring organization

University of the Pacific;
<https://www.skylarcarlson.com/>

Date posted

December 13, 2022

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