Post-Doctoral

Hiring organization
https://jobs.uic.edu/job-board/job-details?jobID=137382

Employment Type
Full-time

Job Location
Chicago, IL, USA

Date posted
December 14, 2020

Description

REQUIREMENTS: a PhD in Molecular Biology, Microbiology, Pharmacognosy, Chemistry, Biochemistry, or a related discipline by the appointment start date. Successful candidates should have a publication record in microbial natural products research or related field.
POSITION DESCRIPTION: We are looking for a postdoc candidate interested in natural products, genome mining, and synthetic biology to contribute to a collaborative, NIH-funded project. The major goal of this project is to develop and apply a novel bacterial host for natural product discovery by genome mining.
SPECIFIC, DESIRED SKILLS OR INTERESTS INCLUDE: Molecular biology techniques including heterologous gene cluster expression, transcriptomics, and bacterial genome mining for natural product discovery.
DUTIES AND RESPONSIBILITIES: Your main responsibility will be to design and conduct research related to a collaborative NIH-funded project titled “Development of a bacterial host for natural product discovery and production” under the guidance of your postdoc mentor Dr. Eustaquio. This project includes research activities (e.g. large-scale bacterial genome analysis and comparison, heterologous expression of bacterial gene clusters, gene deletion, metabolite analysis by HPLC and LC/MS, transcriptomic studies), research dissemination (presentations and scientific paper writing) and collaborative activities (work with graduate students and with two other research teams that are part of this project).
RESEARCH ENVIRONMENT: Our laboratory is located in the Medical District of the Chicago campus of the University of Illinois, which is situated only about two miles from downtown Chicago in the Little Italy neighborhood. In addition to cultural diversity, our urban setting provides numerous educational and collaborative opportunities within our College and across institutions in the area.
APPOINTMENT: Funds are available for three years. Appointments are initially made for one year with possibility of extension contingent upon satisfactory performance.
CONTACT: Please send your cover letter and CV containing contact information for three references to Alessandra S. Eustaquio at ase@uic.edu. Review of applications will begin immediately and continue until the position is filled.
WEBSITE: https://eustaquio.lab.uic.edu/
KEYWORDS: Natural products, synthetic biology, heterologous expression, host development, genome mining.
The University of Illinois at Chicago is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.
The University of Illinois at Chicago may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

Contacts

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