

Job Title	Research associate
PVN ID	LE-1704-001766
Category	Research
Location	LEHMAN COLLEGE
Department	Chemistry
Status	Full Time
Annual Salary	\$36,476.00 - \$47,478.00
Hour(s) a Week	35
Closing Date	Jun 18, 2017 (Or Until Filled)

General Description

The Mallikaratchy laboratory is a chemical biology and molecular targeting lab that applies multiple disciplinary approaches inclusive of SELEX technologies, bioinformatics, molecular and cell biology, and translational studies in collaboration with investigators at Memorial Sloan Kettering Cancer Center to discover novel functional nucleic acid ligands capable of modulating key interactions pertaining to the immune system.

Position Summary

Participates in planning experiments; assists in preparing research protocols pertinent to chemical synthesis of molecular scaffolds. Maintains and operates laboratory equipment including, but not limited to, HPLC, DNA synthesizer, UV/Visible spectrometer, Fluorescence spectrometer etc. Collects, verifies, records and compiles data; performs calculations and prepares graphs and reports. Maintains records of lab procedures and results. Assists scientists, students, and other technicians in the performance of laboratory and investigative research procedures. Collaborates with lab members on different projects; contributes to the organization of the lab by providing support for various aspects of experimental research.

Preferred Experimental Skills

The candidate is required to have a PhD in organic chemistry/organometallic chemistry and preferably two to three years' experience in a chemical research laboratory.

Essential skills include: (1) Ability to plan basic chemical synthesis (literature (SciFinder) search for procedures and evaluate potential hazards). (2) Performing and monitoring reactions (TLC, LC-MS and HPLC). (3) Experience with anhydrous techniques and bioconjugation chemistry. (4) Purification (extractions, crystallization, flash chromatography and HPLC). (5) Determination of structure and purity (recording and interpreting NMR spectra, fluorescence spectroscopy, LC-MS).

Skills and Abilities

Demonstrated ability to manage multiple priorities efficiently and diplomatically in a high-pressure environment.

Demonstrated organizational skills and ability to pay close attention to detail. Familiarity with synthesis planning and execution, characterization, and purification. Ability to safely handle and dispose hazardous chemicals and waste. Use of relevant software such as ChemDraw and MNova, basic statistics software, and data analysis, handle JPEG, MPEG and TIF files; familiarity with creating charts and graphs with statistical renderings to report results. Excellent written and verbal communication skills as well as strong organizational skills. Highly organized, self-motivated, and work well in a team environment.

For consideration please email CV and names of three references to:

Dr. Prabodhika Mallikaratchy

Assistant Professor

Graduate Programs in Molecular, Cell and Developmental Biology, Chemistry and Biochemistry

City University of New York, Lehman College

New Science Building: Office: S-4404/Lab: S-4401

250 Bedford Park Blvd. West

Bronx, NY. 10468

Prabodhika.Mallikaratchy@lehman.cuny.edu

Other Duties

Skills and Abilities

Demonstrated ability to manage multiple priorities efficiently and diplomatically in a high-pressure environment. Demonstrated organizational skills and ability to pay close attention to detail. Familiarity with synthesis planning and execution, characterization, and purification. Ability to safely handle and dispose hazardous chemicals and waste. Use of relevant software such as ChemDraw and MNova, basic statistics software, and data analysis, handle JPEG, MPEG and TIF files; familiarity with creating charts and graphs with statistical renderings to report results. Excellent written and verbal communication skills as well as strong organizational skills. Highly organized, self-motivated, and work well in a team environment.

Qualifications

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