

Job Title	Postdoctoral fellow
PVN ID	LE-1704-001739
Category	Research
Location	LEHMAN COLLEGE
Department	Chemistry
Status	Full Time
Annual Salary	\$47,476.00 - \$47,484.00
Hour(s) a Week	35
Closing Date	Jun 03, 2017 (Or Until Filled)

General Description

One Postdoctoral position is available in the Mallikaratchy laboratory at the City University of New York-Lehman College. The individual will be working on selection of aptamers using Ligand Guided Selection to identify specific aptamers against extracellular targets expressed in B-cell lymphoma and T cells. Candidates must have a PhD degree. Preference will be given to those with an outstanding publication record in aptamer research, nucleic acid ligand receptor interactions and those with established experimental skills in SELEX and/or handling of nucleic acid ligand binding analysis. Candidates with additional expertise on molecular biology (radioactive labeling of nucleic acids, PCR, and purification of nucleic acids using standard techniques) and bioinformatic tools aimed at analyzing NGS data are especially encouraged to apply. The individual will receive multidisciplinary training on Ligand Guided Selection technology developed in Mallikaratchy lab, develop new research technologies aimed at selectively identifying nucleic acid ligands against key receptors in primary B and T cells, and design of molecular scaffolds using nucleic acid aptamers. The research topics include development panel of aptamers against CD markers expressed in human B-cell lymphoma and T cells utilizing cultured cells and primary cells, validation of aptamers using appropriate assays, proteomic analysis of aptamer-receptor interactions. 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.

Postdoc trainees will be encouraged to apply for postdoctoral fellowships as a suitable training in independent grant writing. Interested individual will also have the opportunity to teach (as appropriate) undergraduate classes to prepare for their own independent careers.

For more information about our research, please visit our website: www.malliakratchylab.org. To apply, please send your CV, cover letter, and the contact information of 3 referees to: Prabodhika Mallikaratchy, PhD,

Assistant Professor of Chemistry, City University of New York-Lehman College. Email:
Prabodhika.Mallikaratchy@lehman.cuny.edu

Other Duties

Qualifications
