
Job Title	Postdoctoral Research Associate
PVN ID	CC-2407-006372
Category	Postdoctoral
Location	The CITY COLLEGE of NEW YORK
Department	Chemistry & Biochemistry
Status	Full Time
Annual Salary	\$59,000.00 - \$61,000.00
Hour(s) a Week	35
Closing Date	Oct 01, 2024 (Or Until Filled)

General Description

We are seeking two research biophysicists at The City College of New York (CCNY): (1) to investigate the melanization of fungal cell walls that cause dangerous infections in immunocompromised persons; (2) to probe ligand-modulated tailoring of intestinal fatty acid-binding protein surfaces for sensing and signaling that affect systemic energy homeostasis in mammals. Position (1), supported by the NIH, requires a Ph.D. in chemistry or biochemistry and experience in one or more of the following areas: high-resolution solid-state NMR, electron microscopy, and fungal cell culture. Position (2), supported by the NIH, requires a Ph.D. in biochemistry or allied fields, with experience in one or more of the following areas: high-resolution solution-state NMR of proteins, macromolecular visualization, and protein-protein interactions. Please provide the following documents: (1) a resume with publications, (2) a brief narrative description of scientific interests and qualifications relevant to the position, and (3) names and contact information for 2 professional references. For further information, see <https://resgroup.ccny.cuny.edu> and <https://mma.ccny.cuny.edu/>

CCNY houses CUNY's Macromolecular Assemblies Institute and hosts the world-class New York Structural Biology Center (NYSBC) on its campus. Many teams in our Structural and Molecular Biology cluster have laboratories in the new CCNY Center for Discovery and Innovation (CDI) building adjacent to the university's Advanced Science Research Center (ASRC). CUNY's research community includes several hundred chemists, biologists, physicists, and both chemical and bioengineers who interact within a network of 25 colleges and professional schools. Located in the historic Hamilton Heights – Sugar Hill section of upper Manhattan, CCNY is accessible by public or private transportation.

The Stark research group makes extensive use of NMR spectrometers operated by the CCNY Division of Science: a 3-channel 600 MHz Bruker NEO solid-state NMR spectrometer with Phoenix-designed probes. Full-featured Bruker NMR spectrometers operating at 600, 700, and 800 MHz are available at the adjoining CUNY ASRC. Excellent state-of-the-art 500-900 MHz Bruker NMR and 600 MHz DNP facilities, along with rich scientific interactions, are accessible at the NYSBC located on our campus. Both CCNY and the CUNY ASRC support core facilities for a broad range of biophysical and nanoscience measurements.

Other Duties

Qualifications

Position (1), supported by the NIH, requires a Ph.D. in chemistry or biochemistry and experience in one or more of the following areas: high-resolution solid-state NMR, electron microscopy, and fungal cell culture.

Position (2), supported by the NIH, requires a Ph.D. in biochemistry or allied fields, with experience in one or more of the following areas: high-resolution solution-state NMR of proteins, macromolecular visualization, and protein-protein interactions.