
Job Title	2 Postdoctoral Research Associates
PVN ID	CC-2206-004891
Category	Research
Location	The CITY COLLEGE of NEW YORK
Department	Chemistry & Biochemistry
Status	Full Time
Salary	Depends on qualifications
Hour(s) a Week	35
Closing Date	Dec 31, 2022 (Or Until Filled)

General Description

We are seeking two research biophysicists at The City College of New York. (CCNY): (1) to investigate the biosynthesis and molecular structure of insoluble biopolymer composites that protect native and genetically modified tomato fruits; (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 U.S. Department of Agriculture, requires a Ph.D. in chemistry or biochemistry and experience in one or more of the following areas: high-resolution solid-state NMR, bulk and surface mechanical performance of biomaterials, differential scanning calorimetry. Position (2), supported by 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. Applicants should send to Prof. Ruth E. Stark via <https://www.rfcuny.org/careers>: (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 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 4-channel 600 MHz Agilent/Varian DirectDrive2 for solids and liquids, currently undergoing conversion to a Bruker NEO. 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. *CUNY is an AA/EO/ADA Employer.*

Other Duties

Qualifications
