Job Title	Associate Research Scientist - Data Science & Precision Medi
PVN ID	HC-1809-002749
Category	Research
Location	HUNTER COLLEGE
Department	Computer Science
Status	Full Time
Annual Salary	$55,000.00 - $90,000.00
Hour(s) a Week	35
Closing Date	Nov 27, 2018 (Or Until Filled)

General Description

Department of Computer Science at Hunter College and The Center for Translational and Basic Research (CTBR) in CUNY are seeking an Associate Research Scientist in the fields of biomedical data mining, omics data integration, and systems biology. The candidate is expected to develop new computational methods for the multi-scale modeling of drug actions and genotype-phenotype associations as well as apply state-of-the-art computational tools to drug discovery and precision medicine. Depending on candidate's interests and backgrounds, specific projects may include but not limited to: predicting genome-wide protein-ligand interactions, integrating and analyzing multiple omics data for drug target identification, identifying individualized drug response biomarkers, text mining of electronic medical records, knowledge representation and ontology development of drug responses, drug repurposing, and any other open questions in systems pharmacology. The Research Scientist has the opportunity on developing or enhancing skills in statistics, machine learning, and big data analytics. Our multiple NIH funded projects involve close collaborations with Weill Cornell Medical College, University of Virginia, Columbia University, Rutgers University, and Simon Fraser University.

Other Duties

Candidates may need to supervise graduate and undergraduate students, collaborate with experimental and clinical laboratories, and write grant applications.

Qualifications

Minimum requirements: Candidates must have a Ph.D. in bioinformatics, computational biology, statistics, computer science, and/or related fields. The candidate also must have a strong background and experience in one or more of the following areas: genomics, gene expression data analysis, systems biology, machine learning, or multi-variable statistics; strong programming skills using Python or R, and familiarity with computing environments such as MATLAB; effective communication skills; self-motivated and independent.

Preferred qualifications: Expertise and strong publication record in one or more areas related to high-dimensional data mining, multi-view multi-target learning, transfer learning, or deep learning.