A computational data scientist or postdoc position is available immediately in Dr. Ron Do’s lab. The Do lab is in the Charles Bronfman Institute for Personalized Medicine, Department of Genetics and Genomic Sciences, Icahn School of Medicine at Mount Sinai, New York, New York.

The Charles Bronfman Institute for Personalized Medicine is an interdisciplinary institute to advance personalized health and health care. One of the institute’s key resources is the BioMe electronic health record (EHR)-linked Biobank, an ancestrally diverse population of >34,000 individuals recruited from throughout New York City. BioMe has a longitudinal design and captures and full spectrum of common and rare biomedical phenotypes. BioMe is also rich in genetic data, including genome-wide array genotypes, whole exome sequencing and whole genome sequencing data.

Dr. Do’s lab focuses on determining the genetic and biological bases of complex disease. The group pursues these interests by utilizing approaches from statistical genetics, population genetics, human genetics and genetic epidemiology.

Current lab research areas include: (1) Causal inference of biomarkers with complex disease; (2) Identification of biological processes of complex disease using functional data; (3) Inferring the strength and mode of natural selection for complex disease; (4) Rare variant association studies using sequencing data; (5) Data mining in electronic health records.

Lab members will benefit from collaborations with neighboring labs in the Charles Bronfman Institute for Personalized Medicine, the Center for Statistical Genetics, and the Icahn Institute for Genomics and Multiscale Biology.

The term for this position is for 2 years with possibility of an extension depending on successful progress and available funding. A competitive salary, benefits and travel opportunities will be offered commensurate with experience and qualifications.

Job Qualifications:

1. Candidates should have a Ph.D., M.D. or equivalent doctorate in Human Genetics, Statistical Genetics, Population Genetics, Statistics, Bioinformatics, or a related discipline.
2. Candidates should have proficiency in programming (e.g. Perl or Python) and statistical computing (e.g. R).
3. Candidates should have a track record of scientific productivity and/or leadership.

Please send inquiries via email to ron.do@mssm.edu. Informal inquiries are welcome.