

COMPUTATIONAL RESEARCH SCIENTIST ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI



We are seeking to strengthen our analytical team at the Institute for Personalized Medicine, at the Icahn School of Medicine at Mount Sinai with an outstanding **computational research scientist**, interested in the genetics and genomic of complex traits.

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, and exome and whole genome sequencing data.

The successful candidate will manage the challenges of EHR-linked data, apply phenotypic algorithms and efficiently analyze and interpret the results. This will involve the application of variant calling and annotation software to high-density genotyping and sequencing data (including genome-wide arrays, ExomeChip, and next generation sequencing), as well as the application and development of approaches aimed at streamlining pipelines to deal with the analyses and interpretation of data from genetically diverse populations. S/he will integrate the increasing amount of data for further downstream analyses.

The ideal candidate has a PhD in Computer Science/ Statistics/Bioinformatics/statistical genetics/genetic epidemiology/computational biology or a related discipline. An understanding of biology, particularly genetics, is advantageous. He or she will have excellent programming skills (e.g. Perl or Python) and proven experience in the manipulation and statistical analysis (e.g. R) of large datasets from different sources and in different formats, and in conducting and organizing research projects.

The successful candidate will be part of a stimulating and internationally competitive scientific environment, and is expected to work closely with colleagues in the institute. Salary will be commensurate with experience.

To apply, please send **CV and cover letter by November 12** to Ruth Loos (ruth.loos@mssm.edu) and Ron Do (ron.do@mssm.edu).

To learn more about the Icahn School of Medicine: <http://icahn.mssm.edu>

The position can also be filled as a postdoctoral fellowship. Information on the Postdoctoral Training Program at Mount Sinai: <http://icahn.mssm.edu/education/postdoctoral-training>. Incoming postdoctoral fellows are eligible for affordable Mount Sinai Housing within walking distance of the medical school and of a wide range of amenities.

About Our Organization

The Icahn School of Medicine at Mount Sinai is internationally recognized as a leader in groundbreaking clinical and basic science research and is known for its innovative approach to medical education.

With a faculty of more than 3,400 in 38 clinical and basic science departments and centers, Mount Sinai ranks among the top 20 medical schools in receipt of National Institutes of Health grants. In its 2015 "America's Best Graduate Schools" issue, U.S. News & World Report ranks the Icahn School of Medicine 14th out of 130 medical schools nationwide.

Mount Sinai Medical Center is an equal opportunity/affirmative action employer. We recognize the power and importance of a diverse employee population and strongly encourage applicants with various experiences and backgrounds.

Mount Sinai Medical Center--An EEO/AA-D/V Employer.