



Icahn
School of
Medicine at
Mount
Sinai

Field trips to the New York Genome Center and Weill Cornell Medical College. Meet with and learn from researchers in the field.

Summer School for Computational Genomics

June 18 – 29, 2018

- Learn how to apply computational tools to genomic sequencing data.
- Gain practical knowledge of genome browser and data analysis tools for RNA and DNA sequencing using real-life data sets.

This program is intended for first and second year graduate students in computer science or biology.

There is a competitive selection process for applicants, and for those selected, there is no fee to attend the course.

In addition, housing will be provided at no cost for those requiring it, and travel stipends are available for attendees traveling from outside the NY Metro area.

Topics include:

- Introduction to Scientific Computing, including Unix, Scripting and Python
- Overview of the Human Genome and Genetic Variation
- Introduction to Next Generation Sequencing and the Genomic Pipeline (Genome Analysis Toolkit)
- Genomics in the Clinic
- Intro to Galaxy ToolKit, UCSC Genome Browser, 1000 Genomes, GWAS and WES data

Course Sponsor:

NIH Big Data to Knowledge (BD2K) 1R25EB020393

Location:

Icahn School of Medicine at Mount Sinai
1468 Madison Avenue,
New York, NY 10029

Eligibility:

Applicants must be U.S. citizens or permanent residents.

Application Deadline:

February 9th, 2018

For more information and to apply, please visit: mssm.edu/creeds

This program strives to enhance the diversity of the biomedical big data workforce through recruitment of individuals from diverse racial, ethnic, cultural, and socioeconomic backgrounds.