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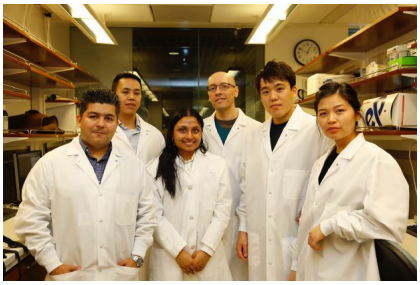
Description of the Facility

Background Overview

The Hunter College/CTBR Bioinformatics resources is located on the 4th floor of the Belfer Research Building at 69th Street and York Ave. The facility affords access to researchers and faculty, a high-performance computer cluster with a large range of bioinformatics software and data analysis pipelines. The facility provides cutting-edge bioinformatics technology for translational and basic research on health disparities. We also host a web-accessible bioinformatics platform based on Galaxy, (http://galaxy.hunter.cuny.edu:8080) to support genomic sequencing analysis.

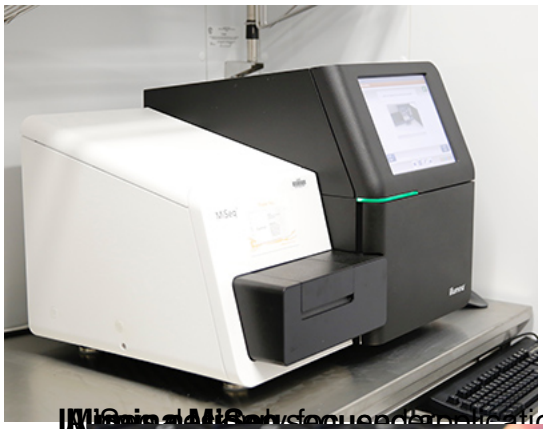
Additionally, the facility offers Illumina Sequencing using the Illumina MiSeq sequencing platform and Nanopore sequencing using Oxford Nanopore MinIon sequencer. Both these instruments are capable of sequencing entire complement of DNA, or genome, of many animal, plant, and microbial species for basic biological and medical research. A detailed description of our services and available equipment is given below

Services



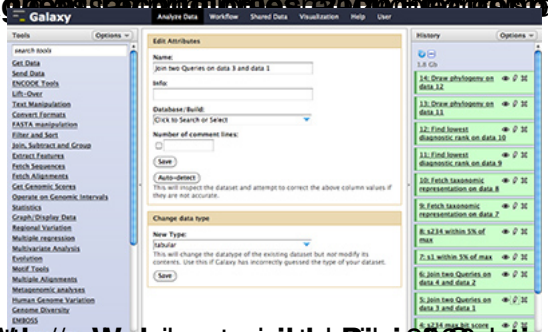
- RNAseq and variation discovery
- small RNAs sequencing
- de novo bacterial genomes
- RNAseq Analysis
- Targeted amplicon sequencing
- Computational Capacity
- Scalable Storage

Bioinformatics and Sequencing Resources and Equipment




MinION




Galaxy
Analyze Data
Workflow
Shared Data
Visualization
Help
User
Tools
Edit Attributes
Change data type
History



-Si [illegible] es, 3TB of high-speed RAM, a GPU [illegible]



-[illegible] scale-out storage building blocks, the Lustre® parallel filesystem



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