

Bioinformatician

Center for Virology and Vaccine Research/BIDMC/Harvard Medical School

United States MA Boston

<https://cvvr.hms.harvard.edu/>

Description

Bioinformatician position is currently available in Dr. Dan Barouch laboratory at BETH ISRAEL DEACONESS MEDICAL CENTER / HARVARD MEDICAL SCHOOL, Boston MA.

Bioinformatician will be responsible for the development and maintenance of workflows/algorithms for analysis of genomics, proteomics, next-generation sequencing and metabolomics data. She/He will also be responsible for developing solutions for integrated and systems biology analysis of multi-dimensional omics data. Prior experience in handling and analysis of genome level data is helpful.

Qualifications

To develop and maintain analysis pipelines for microarray, proteomics and next-generation sequencing data. • Apply sequence analysis methods, clustering algorithms, functional and statistical analysis methods on omics data. • To develop analytical workflows for identifying predictive biomarkers from genome level data using novel feature selection and classifier training algorithms. • Develop innovative solutions for integrated analysis multi-dimensional omics datasets including SNP Profiling, ChipSEQ, Transcriptome, Epigenome, and Proteome. • Manage genomics, proteomics and sequencing data analysis, visualization, interpretation, and presentation.

Qualifications: Bachelor or Master's in computer science, computer engineering, bioinformatics or related discipline;. • Programming skills and experience in C/ C++, Java, Perl, Python, SAS, MATLAB, and R. • Basic background in algorithms and statistics, data management and mining, and machine learning is preferred

Start date

As soon as possible

How to Apply

Please send a CV, a brief description of previous research and the names of three references to the address below. maid@bidmc.harvard.edu