

## Description

The Yu Lab at Ragon Institute of Harvard, MIT and MGH is seeking a highly motivated bioinformatician to join our team.

## Required Qualifications

- B.S. in computational biology, bioinformatics, computer science, or a related field.
- Familiar with fundamental concepts in statistics and molecular biology, especially with next-generation sequencing technology.
- Demonstrable skills with Linux, R, Python and database management (SQL).
- Familiar with common bioinformatic file formats, such as FASTA/FASTQ, SAM/BAM and BED.
- Proper record keeping, capability of independent learning, and exceptional attention to detail are a must.

## Desirable requirements

- M.S. in computational biology, bioinformatics, computer science, or a related field.
- Software development skills, such as version control, and unit testing.
- Working experience with cluster and cloud computing is a plus.
- Experience with websites development (HTML, JavaScript, and CSS) is also a plus.

## Responsibilities

- The successful candidate will be responsible for the maintenance of various pipelines to analyze viral sequences, discover new therapeutic targets and develop new treatment strategies to find a cure for HIV infection.
- The applicant will lead efforts in maintaining proper data management protocols for storage and sharing of genomic and clinical data. The candidate will provide training and technical support to all lab members for accurate and efficient electronic note taking, record keeping, and data collection.
- Applicants will interact with physicians, scientists, and technologists to provide statistical and bio-computational support for experimental design, data processing and data analysis procedures. The applicant is expected to deliver reports in written or oral formats in a concise way with vivid visualization.
- This position will be supervised by a senior bioinformatician in the lab. Opportunities will be offered to a motivated individual to develop a strong ability to conduct independent research, participate in NIH-funded programs and contribute to future manuscripts intellectually.

## Additional Information

- Contact: those with interest in this position may email their CV to Zachary Manickas-Hill ([zmanickas-hill@mgh.harvard.edu](mailto:zmanickas-hill@mgh.harvard.edu))
- Yu Lab website: <https://ragoninstitute.org/yu/>