

We are hiring!

Position available: Bioinformatics Postdoctoral Research Associate

Location: Seattle, WA

Overview

This highly collaborative postdoc position provides a unique opportunity for multi-disciplinary research spanning [Systems Immunology](#) and the [Human Immunophenotyping \(HIP\) Core/Long Lab](#), under the guidance of [Dr. Hamid Bolouri](#) and [Dr. Alice Long](#). The [HIP Core](#) and [Long Lab](#) are translational immunology labs that study autoimmunity by using cytometry-based assays on samples from clinical trials paired with selected samples to better understand mechanisms of disease. The [Bolouri Lab](#) is focused on developing and applying computational systems immunology methods to better understand immune dysregulation in autoimmunity, cancer, and infection.

We are seeking a bioinformatics scholar with strong interests in high-dimensional flow and mass cytometry, omics technologies, and systems immunology, as well as deep expertise in the development and application of bioinformatics methods and tools to emerging challenges in immunology research. Together, we hope to foster creative thinking that will move the field closer to treatments of immune mediated diseases.

Responsibilities

- Evaluate emerging computational methods and tools for cytometry data processing and analysis. Recommend, adapt, and implement best-of-class data processing/analysis pipelines for large-scale application at BRI.
- Develop, adapt, extend, and implement best-of-class methods (i) to integrate cytometry data from multiple batches and projects, (ii) to integrate cytometry data from different platforms, (iii) integrate cytometry data with other data sets such as bulk/single-cell RNA-seq, ATAC-seq, and proteomics.
- Educate HIP Core and Long lab scientists in bioinformatics, biostatistics, and computational best practices.
- Attend and present data at external scientific meetings and conferences as appropriate.
- Facilitate best visualization of data as appropriate and publish papers
- Set and meet deadlines and milestones.

Qualifications

- PhD. in bioinformatics, biostatistics, computational biology, systems biology/immunology or in other related with a strong understanding of the principals of bioinformatics and high-throughput technologies.
- Track record of technical proficiency, scientific creativity, collaboration, and independent thought.
- Excellent oral and written communication skills, time management, task organization, and multi-tasking.
- Deep understanding of 'Big Data' and high-dimensional-data analysis methods (e.g. feature-selection, dimensionality reduction, pattern recognition, machine learning). Good understanding of molecular biology, genetics, and immunology.
- Proficiency operating in a mixed UNIX-Mac-Windows environment, Unix shell scripting languages (sh/sed/awk), and bioinformatics analysis using R/Bioconductor and Python.

Compensation & Benefits: \$72,679 – \$87,941. Please click [here](#) for benefit summary.

Visit <https://careers-benaroyaresearch.icims.com/jobs/1738/bioinformatics-postdoctoral-research-associate/job> to apply for this position with a cover letter and CV.

Questions? Contact: jobs@benaroyaresearch.org

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, disability or protected veteran status.

1201 Ninth Avenue / Seattle, WA 98101

p 206-342-6500 / f 206-342-6580 / BenaroyaResearch.org