Bioinformatics Analyst – high throughput single cell transcriptomics

The recently-launched Allen Institute for Immunology is seeking outstanding individuals with expertise in bioinformatics and biostatistics applied to high throughput single-cell RNA-seq sequencing.

The institute is launching a series of collaborations focused on understanding the behavior of the immune system in autoimmune diseases and cancer. We are therefore especially interested in individuals with a background in human immunology. For details of the Institute’s research plans and partners, see https://alleninstitute.org/what-we-do/immunology/.

The Allen Institute offers exceptional working conditions, and nurtures diversity and team-science in an intellectually rich and stimulating setting.

We will start reviewing applications and interviewing candidates immediately and will continue until all positions are filled.

**Required Qualifications**

- Master’s degree or equivalent professional experience in bioinformatics, biostatistics, computational biology or related disciplines.
- Minimum 2 years related post-graduation experience.
- Fluency in R and/or Python, and shell scripting.
- Working knowledge of version control systems such as Git.
- Good understanding of high-throughput single cell transcriptomic assays.
- Familiarity with molecular biology, high-throughput technologies, and immunology.
- Strong track record of using contemporary bioinformatic tools, and hands on tool/pipeline development expertise.
- Deep experience with high throughput data analysis.

**Preferred Qualifications**

- Experience in integrative analysis of single cell and bulk data.
- Experience in integrative analysis of multiple data modalities.
- Experience in data visualization, dimensionality reduction and related methods.
- Ability to develop, test, implement, and share new computational tools quickly, in an iterative manner, after feedback from experimental, data production, and analysis teams.
- Experience studying human immunology.
- Exceptional oral and written communication skills.
• Ability to work independently as well as part of a team.
• Demonstrated ability to track and meet goals and milestones across multiple projects.

**Desirable General Abilities**

• Excellent written and verbal communication skills.
• Demonstrated ability to document work accurately and precisely.
• Strong organizational skills and careful attention to detail.
• Able to work independently as well as in a collaborative high paced environment.
• Experience working in a cross disciplinary, team-based environment.
• Experience working with outside collaborators to achieve defined objectives.

**Environment:**

• Working at computer and using mouse for extended periods of time.
• Travel Required: 3 - 6 trips per year
• May need to work outside of standard working hours at times.