



### **Computational Biologist**

10X Technologies is a Silicon Valley start-up developing new technologies for breakthrough next generation sequencing applications. The core technology combines advances in chemistry, biochemistry, microfluidics and computational biology.

10X is looking for an outstanding individual to join its Computational Biology group. This person will: (1) lead the development of algorithms that form the core of 10X software and (2) define custom analyses to guide product development. This position is a unique opportunity to work on an exciting and novel form of Next Generation Sequencing (NGS) data that enables a wide array of previously unachievable applications. The ideal candidate will have an extremely strong background in algorithms and statistics and will be highly proficient in both generating novel algorithms and combining them with existing tools.

The right candidate must also have strong programming skills, and a keen interest in biology and working with real-world data. Strong interpersonal skills, a desire to understand customer needs and the ability to communicate results clearly are a must. This position will interact closely with colleagues in biochemistry, microfluidics and chemistry.

### **Key Responsibilities**

- Develop algorithms for novel NGS data across a number of novel applications
- Develop custom analyses to assess and guide development of the core technology
- Work with software team to commercialize algorithms products
- Work with early customers to understand applications and requirements
- Analyze internally generated sequencing data

### **Desired Skills and Background**

- PhD in computer science, mathematics, computational/systems biology or related field
- Extremely strong background in algorithms and statistics
- Strong programming ability in Python (experience with C/C++ a significant plus)
- Hands on experience with NGS data tools (e.g. bwa, samtools, GATK)
- Creative problem solver who obsesses over novel applications of data
- A deep intuition for the processes utilized by current NGS technologies
- A combination of mathematical depth with a healthy respect for the imperfections inherent in real-world data
- Highly independent
- Ability to work in a fast-paced and quickly changing environment

For more information, please contact [jobs@10xtechnologies.com](mailto:jobs@10xtechnologies.com)