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## Molecular Biologist

(Job Location: Philadelphia, PA)

### **Responsibilities:**

1. Performs NGS experiments according to strict methodologies, procedures, and/or protocols and makes judgment based decisions as necessary;
2. Reports to supervisor and/or lab managers as needed
3. Operates and maintains laboratory equipment to carry out laboratory tests
4. Independently analyzes, interprets, records and reviews testing results
5. Implements all safety and quality assurance policies and procedures when completing work
6. Tests out new NGS reagents in order to optimize workflow, SOPs, and available lab services
7. Develops "in-house" kits or reagents in order to improve workflow, SOPs, and available lab services
8. Generates presentations about laboratory work for laboratory staff; compiles information for creating required documents and records; keeps current with technical developments especially those which can save time, lower cost, and improve reliability; devises new applications of NGS for laboratory in diagnostic or other field
9. Performs other work related duties as assigned

### **Qualification:**

1. BS in Life Sciences (Biology, Chemistry, Biochemistry). Master's degree preferred.
2. Familiar with high-throughput production environment; experience with liquid handling automation preferred.
3. Expertise in molecular biology techniques including PCR, genotyping or sequencing; familiarity with molecular biology systems, processes and high-end analytical instrumentation;
4. Detail oriented, excellent record keeping abilities, analytical and organizational skills; Work well in team setting.

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## **Organization:**

### BGI Americas Corporations

BGI (formerly known as Beijing Genomics Institute) was founded in Beijing on Sept 9th, 1999 with the mission of supporting the development of science and technology, building strong research teams, and promoting the development of scientific partnership in genomics field. With a goal toward excellence, high efficiency, and accuracy, BGI has successfully completed a large number of projects. These include sequencing 1% of the human genome for the International Human Genome Project, contributing 10% to the International Human HapMap Project, carrying out research to combat SARS, being a key player in the Sino-British Chicken Genome Project, and completely sequencing the rice genome, the silkworm genome, and, most recently, the first Asian diploid genome. Much of this research has been published in the top international academic journals Nature and Science, which witnessed the path of BGI from projects participation to leading the development of genomics. In conjunction with carrying out these projects, BGI has established its own technical platforms based on large-scale genome sequencing, efficient bioinformatics analyses, and innovative genetic health care initiatives. These distinguished achievements have made a great contribution to the development of genomics in both China and the world, and have established BGI as a world-class research institution. In the course of attaining these goals, BGI has undergone a historic breakthrough from the number one genomics institute in Asia to one of the leading genomics institutes in the world.

Please email your resumes to: [recruiting@bgiamericas.com](mailto:recruiting@bgiamericas.com)