

NGS Assay Development Manager

BGI Shenzhen is seeking multiple experienced molecular biologists, biochemists or chemists, to join our Research & Development group at Shenzhen, China. The candidates will be responsible for developing NGS based assays on microfluidic platform. These positions will report in to the R&D-Science group and will lead product development, from conceptualization to commercialization. They will closely interact and collaborate with interdisciplinary technology groups from Engineering, Software, and Manufacturing teams. The successful candidates must be prepared to engage in wet-lab driven research works and have strong analytical skills and oral/written communication skills.

Job level will commensurate with relevant level of experience

Essential Duties:

- Drive product development to commercialization through experimental design and in-depth data analysis.
- Design, optimize and carry out experiments for NGS panel products on microfluidic system.
- Establish microfluidic sample preparation, quality control and assay workflows.
- Collaborate with hardware and software engineers for full system development.

Requirements:

- PhD or equivalent in Biochemistry, Chemistry or related scientific field.
- 2+ years of combined industry and post-doctoral work experience, experience in NGS panel assay development preferred.
- Extensive hands-on, state-of-the-art molecular biology experience.
- Experience working with different sample types such as FFPE, whole blood or urine is preferred.
- Experience working with capillary electrophoresis or microfluidic devices is preferred.
- System integration and assay development experience is preferred.
- 2+ years managing experience for team leading position.

Additional Desirable Qualifications include:

Fluent Chinese speaker

Job Location: Shenzhen, China

Organization:

BGI, the world's leading genomics center, provides comprehensive sequencing and bioinformatics services for medical, agricultural and environmental applications. We help our customers to achieve their research goals by delivering rapid, high quality results using a broad array of cost-effective, cutting-edge technologies. Our customers also benefit from our scientific expertise and research experience that have generated over 1,800 publications, many in top-tier journals such as *Nature and Science*. BGI is recognized globally as an innovator for conducting international collaborative projects with leading research institutions to better mankind and our world. On April 27th, 2010, BGI Americas was founded with its main office in Boston, MA, U.S.A. BGI Americas offers scientific and technological solutions to partners in all countries in North, Central, and South America, and seeks collaborative opportunities in the "omics" field.

Contact Information:

If you feel your skills and experience meet the requirements of the job, please forward a cover letter and CV to the following email: recruiting@bgi.com