Data Scientist, IVD Bioinformatics

At Guardant Health, we are committed to positively and significantly impacting patient health through technology breakthroughs that pointedly address long-standing unmet needs in oncology. Using next-generation sequencing (NGS) and big data, we provide noninvasive tumor genomic profiling to aid oncologists in determining the right treatment at the right time. We are seeking a highly talented Data Scientist to take an active role in providing experimental data analysis, analytical study design and statistical programming support for development and validation of in vitro diagnostics devices (IVDs).

Guardant Health develops breakthrough diagnostic technologies to improve cancer management. With Guardant360, we offer real-time, biopsy-free tumor sequencing that tracks tumor genomics in real-time and identifies associated treatment options. The recent introduction of groundbreaking analytical tools, including our Tumor Response Map and a mobile-enabled physician portal, further advance Guardant Health's momentum.

Guardant Health has raised almost $200M from OrbiMed, Sequoia Capital, Khosla Ventures, Lightspeed Venture Partners, and Formation8, and is led by a seasoned management team of thought leaders and successful serial entrepreneurs in next generation sequencing and rare cell diagnostics. They are advised by an oncologist-led medical steering committee from leading cancer centers.

Responsibilities

- Designs and develops statistical methodologies and provides NGS data analysis support for analytical validation studies (e.g. precision, reproducibility, limit of detection).

- Provides NGS data analysis insights for technology development and verification.
• Authors or contributes to technical documents such as Statistical Analysis Plans, Statistical Analysis Reports, Analytical Protocols and Reports, Validation Protocols and Reports, Clinical Study Reports, or other regulatory documents.

• Validates statistical programs in the form of peer review or independent programming.

• Collaborates with other team members in a highly interactive and positive team environment.

Requirements
• Required: Master or PhD in Statistics, Biostatistics, or related field
• Desired: 2+ years working on analytical study statistics and knowledge of industry standards such as the Clinical and Laboratory Standards Institute (CLSI) guidelines and FDA statistical guidance
• Required: Proficiency in R / Python programming is required
• Required: Experience with next-generation sequencing bioinformatics and data analysis
• Required: Ability to work well in a rapid-pace startup environment
• Required: Team player contributing to a positive, collaborative working environment
• Required: Fluent verbal and written English skills
• Required: Aptitude for creative problem-solving

Directly send resumes to Jie Yin, PhD, at jyin@guardanthealth.com

http://guardanthealth.com/jobs/