

Scientist (Data Curation/Analytics)

Company Description:

Qiagen is the leader in providing enterprise solutions for next-generation sequencing and Omics data analysis, management, and visualization. Our flagship product, OmicSoft- Array Suite (Array Studio and Array Server), provides full data management with server-client architecture. Array Server stores and manages all of the large data for users, while Array Studio provides the graphical user interface and full visualization capabilities, including the industry leading Omicsoft Genome Browser. Our technology and products increase productivity and allow our users to concentrate on the bigger picture. Omicsoft also provides an Omics-based data service through its Land-technology which provides biomedical researchers a knowledge hub to easily access integrative genomics data. Omicsoft offers a competitive salary and benefits package, with excellent prospects and career progression.

Job Title: Scientist (Data Curation/Analytics)

Job Description:

We are seeking a talented and motivated scientist to join the Scientific Data Curation Team at Qiagen. This full-time position will require primary responsibility to curate genomics data from various disease areas, and to develop data analysis plans/pipelines to generate biological meaningful results and visualizations. By collaboratively working with internal research and software development team, the successful candidate will integrate acquired knowledge into our efforts to build a strong analytic pipeline to process large scale genomics dataset and develop innovative technology to deliver high-throughput data in a user-friendly fashion.

Responsibilities:

Responsibilities of this position include, but are not limited to:

- Review the scientific publications, protocols or other documentation to evaluate study aims, design, methods and research findings, and document these information accordingly.

- Coordinate the genomic data curation team to extract, QC, annotate, and organize biological/clinical project and sample meta-data from various sources.

Qualifications:

- Successful applicants should be detail-oriented and have good communication skills.
- PhD (2+ years of working experience) or Master's degree (5+ years of working experience) with strong background in molecular biology, immunology, metabolic diseases, cardiovascular diseases or related biomedical fields.
- Familiar with current trend of clinical and academic research in immunology, human genetics and biomedical medicine.

Desired Experiences and Skills:

- Understanding key pathways and mechanisms that may underlie disease processes in immunological diseases, diabetes, obesity, and/or heart disease, preferred.
- Knowledge and experiences with microarray and/or next generation sequencing data analysis, preferred.
- Very well organized, with the ability to prioritize effectively their workload.
- Experiences using scripts or programming a plus.
- Experience with scientific/clinical ontologies and metadata issues.
- Experience constructing or maintaining a controlled vocabulary.
- Experience in curating and handling large data sets with understanding of requirements for auto-processing and long-term data archiving.
- Working experience in pharmaceutical industry a plus.