

Genomics Laboratory Group Leader (Kannapolis, NC) – Job Code: GEN-201**Job Description**

As a David H Murdock Research Institute (DHMRI) Genomics Laboratory Group Leader, you will be expected to collaborate with academic, industry and government partners on the North Carolina Research Campus (NCRC) and beyond. Design studies, generate analysis data using next generation sequencing and microarray-based approaches for whole genome, exome and targeted sequencing, methylation profiling and gene expression analysis both at the aggregate and single cell levels. Manage all aspects of projects, from shipment and receipt of sample to data delivery, to ensure that projects are completed on time and within budget.

Job duties include but are not limited to

- Develop standard operating procedures within a controlled document environment.
- Conduct quality control assays, monitor process control and work with the bioinformatics team to perform data analysis. Assist Principal Investigators with the design, execution and interpretation of large-scale projects.
- Communicate ongoing project progress and serve as the key interface to scientific customers.
- Perform method design as required.
- Manage customer projects, allocate appropriate resources, and facilitate the transfer of materials and data.
- Monitor the progress of projects and report their status to customers, and close out projects by invoicing for services rendered.
- Provide justification for requisitions.
- Work with vendors to obtain optimal pricing, determine and adjust service fees.
- Troubleshoot problems associated with equipment, software, experimental design, assays and reagents and deviations from protocol.
- Assist in the development and maintenance of LIMS and other laboratory-related computer programs.
- Keep abreast of scientific advances and new technologies and how they may be introduced into the facility.
- Supervise, train and direct five (5) subordinates (Research Associates and Staff Scientists).
- Requires 5% US travel for training, conferences, and meetings with clients.

Qualifications

- PhD in Genetics, Genomics, Molecular Biology, related, or equivalent and five (5) years experience in plant/crop biology.
- Experience must include five (5) years: “nextgen” sequencing applications from Illumina, 10X Genomics and Pacific BioSciences; library construction and optimization of NSG platform experiments; project management; experimental design, implementation, troubleshooting, data analysis; managing large datasets and interacting with databases and software tools; and supervising technical staff.

DHMRI offers a comprehensive benefits package that includes the following: health, vision and dental, disability, FSA, life insurance coverage, and a 401(k) savings plan.

Equal Employment Opportunity

- We are proud to be an EEO/AA employer M/F/D/V.

Apply: www.dhmri.org.