Vacancies @ GeneDx

Below are our current open job positions. More details may be found on GeneDx’s Careers page at genedx.com. If interested, send in your resume and cover letter to gdxhr@genedx.com.

Please refer to our handbook, found on the intranet, regarding our transfer policy.

**Technologist, Next Gen Sequencing Lab**

Responsibilities include:

- Sample preps for NextGen sequencing
- Set up NextGen sequencing runs on Illumina Genome Analyzers
- Manual and robotic PCR set up
- Use of robots for various applications
- Strict compliance of basic protocols for laboratory procedures
- Perform all quality checks associated with laboratory procedures
- Diligently and accurately records work and reports results to team leads, supervisors and test managers, as necessary
- Performs weekly assigned lab jobs e.g. maintaining inventory, equipment maintenance, data entry, etc.
- Functions as a member of a laboratory team, at supervisor’s discretion.

**Accessions Tech**

This individual will work as part of a team of Accessioners in a CLIA-certified diagnostics laboratory that provides molecular diagnosis for rare genetic diseases for the purpose of confirmation of diagnosis, genetic counseling, and prenatal testing. The Accessions Team receives all biological samples coming to the lab, enters information into the Laboratory Information Database, and interacts directly with the genetic counselors and laboratory staff to insure that all information is obtained on each sample.

The position requires the knowledge and skills normally acquired through completion of a BSc in Biology, Chemistry, Genetics or related field. Other requirements include:

- Meticulous and exceptional attention to detail and accuracy
- Ability to multi-task and focus in a busy environment
- Pleasant disposition and willingness to work as part of a team

**Filing Clerk, Records Management**

This is a full-time position and responsibilities include, but not limited to:

- Real time scanning for incoming accessions.
- Scans and uploads documents present in the patient charts.
- Scans mail, payments and other loose/additional documents.
- Actively checks for and corrects any scanning errors.
- Investigates and corrects any scanning errors identified.
- Assists with filing and the archiving process.

**Receiving Clerk, Purchasing**

The Receiving Clerk will verify and maintain records of incoming shipments. Position reports to the Purchasing Manager.

Responsibilities include:

- Signs for and receives all packages
- Opens packages upon arrival & checks against the packing list.
- Delivers packages to the appropriate department.
- Inventories supplies & submits a purchase requisition as required.
- Prepares items to be shipped, as needed.

**Senior Analyst, FastGen Sequencing Lab**

Responsibilities include:

- Tracks sample status from arrival in the FastGen lab to second review.
- Oversees the timely completion of all lab related processes specific to the assigned FastGen panel(s) and troubleshoots any necessary issues that may arise.
- Tracks performance characteristics for each test.
- Ensures low coverage PCRs are initiated and primary data analysis is completed in a timely manner.
- Reviews primary data analysis and sends any necessary confirmations of mutations and variants for ABI sequencing and/or ARMS q-PCR (panel dependent).
- Compiles and reviews sequence data with high productivity and accuracy, and uses independent judgment to prioritize cases.
- Informs the corresponding program director and genetic counselors if any issues arise that may influence the turnaround time.
- Be involved in the validation of any new assigned panels, updates to current panel versions, or changes in software or equipment.
- Troubleshooting: DNA quality, PCR amplification.
- Continues to work on improving technical and analytical aspects of the tests.

**DNA Extraction Technologist**

We are recruiting for a full time DNA Extraction Technologist to work as part of the DNA Extraction team.

Responsibilities include:

- DNA extraction from blood, buccal swabs, cultures etc. using various protocols and equipment.
- Filing DNA and patient specimens.
- Diligent recordkeeping and reporting to team leads, supervisors and test managers as necessary.
- Perform assigned lab jobs e.g. preparing solutions, equipment maintenance, data entry, etc.

The position requires the knowledge and skills normally acquired with the completion of the Bachelor of Science degree in Molecular Biology, Biochemistry, Genetics, or related field with up to one year of relevant experience. Attention to detail and accuracy is critical, as is the ability to work in a team environment. **The schedule for this position requires some weekend hours.**

**Array Technologist (2 open positions: Night/Weekend and Day Shift)**

This individual will work as part of a team performing chromosomal microarray and/or exon arrays, qPCR, and MLPA for the purposes of detection of deletions/duplications at the chromosome and/or exon level, and determination of genotype in clinical DNA samples.

The position requires the knowledge and skills normally acquired through completion of the BSc in Molecular Biology, Biochemistry, Genetics, or related field with up to one year of relevant experience. Attention to detail and accuracy is critical, as is the ability to work in a team environment.
Array QA/QC and R&D Technical Specialist  
This Technical Specialist will work as part of a team performing chromosomal microarray and/or exon arrays, qPCR, and MLPA for the purposes of detection of deletions/duplications at the chromosome and/or exon level, and determination of genotype in clinical DNA samples. Responsibilities include:

- Ongoing documentation and upkeep of all Quality Control efforts.
- Evaluation of validation results and preparation of necessary validation data packets.
- Coordinating with Microarray supervisors for scheduling of validation and technical improvement experiments.
- Execution of laboratory protocols for Quantitative Testing.
- Primary and/or secondary data analysis.
- Coordinates with genetic counselors on individual cases and data packets.
- Monitors case workload and progress to ensure turn-around times are met.
- Other related duties as assigned.

Scientist, Technology Transfer and Validation  
The TTV Scientist is responsible for applying validation methodologies to perform transfer and validation of new and existing diagnostic tests to clinical operations. Experience with NextGen sequencing is preferred. Responsibilities include:

- Primary and/or secondary data analysis.
- Coordinates with genetic counselors on individual cases and data packets.
- Compiles supporting data from Microarray and other departments.
- Monitors case workload and progress to ensure turn-around times are met.
- Other related duties as assigned.

Genetic Counselor (BE/BC)  
Responsibilities of the Genetic Counselor will include: providing customer service to clinicians and genetic counselors on the full range of GeneDx tests; writing customized reports on a vast array of genetic test results; researching/developing educational materials to support new test development. As GeneDx supports multiple scientific conferences throughout the year, this position will require annual travel to Genetics meetings and exhibitor responsibilities. Interested candidates should have a degree from an accredited genetic counseling program, be hard-working, attentive to detail, and have excellent communication and writing skills. Responsibilities include:

- Summarize genetic test results and generate customized result reports.
- Utilize a variety of in-house software tools to research and write reports.
- Perform critical quality control functions for laboratory workflow and clinical reports.
- Help develop test report language, expand and maintain reporting templates, and strive to improve report clarity and consistency.
- Perform research on genes and novel sequence variants to determine clinical relevance.
- Assist in variant classification based on emerging scientific information.
- Participate in research and development of new gene panels and tests, and updates to existing tests.
- Assist in the development of education and marketing materials.
- Participate visibly in the medical genetics, genetic counseling, and patient advocacy communities.
- Perform other related duties as needed; such as providing customer service to clinicians and genetic counselors for genetic tests and facilitating communication of test results to health care providers.

Review Analyst (PhD)  
We are rapidly expanding and recruiting for a PhD Review Analyst to perform final review of sequencing data and variant interpretation for diagnostic and predictive genetic testing. The successful candidate will have appropriate judgment and character for diagnostic and predictive testing, as well as excellent time management and communication skills. The ideal candidate will also have expertise in pertinent areas such as sequence analysis, online human genomic resources, and molecular test design, as well as fundamental knowledge in human genetics. Experience in a laboratory approved by CAP for molecular diagnostics is preferred. Responsibilities include:

- Performing final technical review of sequencing (Sanger and Next-Generation) and other molecular data.
- Performing bioinformatics analysis and literature searches to provide clinical interpretation of variants.

Educational and Experience Requirements:

- PhD in biology, chemistry or biomedical science.
- Postdoctoral experience in clinical molecular genetics, molecular pathology, or genomics/proteomics.
- Experience in Next-Generation sequence analysis preferred.

Technologist, Next Gen Sequencing Lab  
Responsibilities include:

- Sample preps for NextGen sequencing.
- Set up NextGen sequencing runs on Illumina Genome Analyzers.
- Manual and robotic PCR set up.
- Use of robots for various applications.
- Strict compliance of basic protocols for laboratory procedures.
- Perform all quality checks associated with laboratory procedures.
- Diligently and accurately records work and reports results to team leads, supervisors and test managers, as necessary.
- Performs weekly assigned lab jobs e.g. maintaining inventory, equipment maintenance, data entry, etc.
- Functions as a member of a laboratory team, at supervisor’s discretion.

Interested candidates should have a degree from an accredited genetic counseling program, be hard-working, attentive to detail, and have excellent communication and writing skills.
**Supervisor, Core Lab**
- Optimizes overall workflow of Core Laboratory working closely with Co-Lab Supervisor and ABI Supervisor and Lab Manager
- Supervises Core Laboratory personnel as assigned and oversees their workloads
- Extensive knowledge of PCR amplification, product imaging and restriction digests
- Current experience and knowledge of ABI sequencing and/or adequate robot experience
- General maintenance of a CLIA certified diagnostic laboratory.
- Develops, maintains and enforces team specific Standard Operating Procedures (SOPs)
- Ability to prioritize responsibilities, anticipate problems and provide timely and appropriate solutions
- Coordinates the training of new hires, fellows and students
- Oversees schedules

**Senior Analyst, Core Lab**
**Responsibilities include:**
- Analysis of sequencing data from clinical patients
  - Performs all capillary sequence analysis duties at a very independent level and at a high rate of productivity. Demonstrates excellent skills to identify and prioritize projects to be analyzed.
- Performs one of the following depending on their experience and competency
  - Coordinates with test manager (TM) to prioritize data analysis for an assigned group of tests and assists TM with minor responsibilities.
  - Performs as a Test Manager for a subset of genes
    - Responsible for overseeing the completion of the PCR for assigned tests
    - Responsible for overseeing the completion of analysis for assigned tests
    - Responsible for confirming any variants identified
    - Responsible for completing tests within turn-around-time allotted
- Other duties, as required (Custom/Carrier Setup, Primer Database upkeep)

**Bioinformatics Software Developer**
This developer will work as part of a team on data analysis projects, pipeline development, database development, and other related projects to facilitate assay design and genetic data analysis, processing, tracking, and storage. The developer will contribute to the maintenance and expansion of existing systems plus the development of new projects. The successful candidate must be self-motivated and able to work both independently and as part of a small team.

**Qualifications:**
- BS or MS in bioinformatics, computer science, or a related field
- 1-3 years bioinformatics development experience
- Demonstrated proficiency in a major scripting language (Perl, Ruby, Python)
- Experience with next-generation sequencing data and related tools (Samtools, GATK, Picard, etc.) preferred
- Experience developing and querying relational databases (PostgreSQL, MySQL, or similar)
- Working knowledge of command-line Linux and shell scripting
- Experience with Git, SVN or other version control software
- Web development experience (PHP or Ruby on Rails) a plus

**Web Developer**
Web Developer to: plan, build & maintain a variety of database-driven web applications & hand-code websites compliant w/ XHTML & CSS standards; design data req’ts by analyzing data tables, design user interface screens, develop test cases & test the applic. for dif. environments; utilize PHP or Ruby on Rails, JavaScript & jQuery in development activities; utilize MySQL or PostgreSQL technologies & write basic queries by hand. Min. req: MS in Bioinformatics plus 1 yr. rel. exp. in webdesign req’d. Send resume & cover ltr to: HR, BRLI No. 2 Acquisition Corp. d/b/a GeneDx, 207 Perry Pkwy, Gaithersburg, MD 20877. No calls or emails. EOE.

**Ruby on Rails Developer**
This web developer will help plan, build and maintain a variety of database-driven web applications. The ideal candidate will have experience managing projects through all phases of the Software Development Life Cycle.

**Requirements:**
- Proficiency with full-stack web development using Ruby on Rails
- Understanding of Web Protocols and Formats (ie, GET, POST, JSON, XML)
- Familiarity with normalized database & schema design
- Proficiency hand coding standards compliant XHTML& CSS
- Proficiency with JavaScript, jQuery and AJAX
- Proficiency with MySQL or PostgreSQL and writing SQL queries by hand
- Familiarity with Linux & basic shell commands

Don’t forget about GeneDx’s referral bonus! To refer an employee, please complete the referral form found on the intranet and submit to HR.
You are eligible only for external candidates hired and after they have worked for GeneDx for 90 days.