

Nanobiosym is an innovative, high-tech company that is developing novel technologies at the nexus of physics, nanotechnology, and biomedicine. Founded by MIT/Harvard alum and located in Cambridge, Massachusetts, Nanobiosym was awarded the first X-Prize to be given for healthcare.

Sr. Molecular Geneticist/Molecular Biologist

Summary:

We are looking to expand our laboratory team with a great Molecular Geneticist or Molecular Biologist.

You will be responsible for developing and monitoring research and development plans for the R&D group, ensuring projects are completed as designed. This position will support Nanobiosym's development efforts and necessary laboratory studies for the launch of biomolecular testing products/services in support of the business.

Responsibilities:

- Design, drive, and manage novel clinical diagnostic product pipeline development and validation studies
- Ensure product development and validation activities are conducted according to quality procedures and applicable laws and regulations
- Review and manage data analysis
- Working closely with the IT department in maintaining and continuously improving the clinical database of genomic information (in-house and publicly/privately available)
- Develop and implement a continuous improvement program for all clinical testing products
- Explore new scientific technologies and approaches towards genomic and transcriptomic testing, analysis, and other nanobiophysics technologies as necessary to determine their applicability to our platform, while keeping abreast of competitive products and technology advances
- Summarize all scientific findings through presentation, including preparation of written protocols, white papers, and scientific papers, as applicable
- Assist in the preparation of papers or regulatory submissions arising from research activities
- Regularly review scientific literature in areas of interest to the company, taking part in appropriate scientific conferences and trade shows.
- Work with Data Science team to ensure compatibility and utility of data resulting from developed products with data learning protocols (AI/ML)
- Work with Program Management to ensure requirements and obligations are met for successful launch of developed products.

Qualifications:

- Ph.D. in biochemistry, biomedical science, genetics, molecular biology or equivalent life science discipline; **preference** for AMBG certification or Active Candidate Status in Clinical Molecular Genetics.
- 5+ years of experience in developing products in life science, genomics and/or molecular diagnostic companies as evidenced by commercial success
- Demonstrated technical skill and experience in the design and optimization and LDT and FDA validation of molecular assays, NGS applications and associated sample preparation technologies
- Demonstrated experience in developing and commercializing molecular assays under CLIA/CAP requirements
- Demonstrated experience leading research and development functions
- Familiarity with and basic understanding of genetic data analysis pipelines/workflows
- Familiarity with and basic understanding of FDA, EU and other global regulations and processes as applicable to development of new diagnostic products is preferred
- Proficient in troubleshooting experimental results
- Demonstrated writing skills through publications, patents or grant writing
- Experience interacting with customers and presenting at conferences
- Strong project management, analytical and planning skills
- Demonstrated aptitude towards effective management of projects and people

Essential Skills:

- Ability to work on-site to manage and drive studies and product development pipeline projects to completion in established time frames
- Strong interpersonal and team management skills - to build trust and lead teams in a complex and matrixed work environment
- Strong oral and written communication skills to support required internal and external presentations of science/technology and research
- Must have excellent research skills to facilitate understanding of developing trends in science, technology, consumer healthcare
- Ability to digest large amounts of information and data to justify strategy recommendations