



DxTerity Diagnostics, Inc.

Bob Terbruggen, Ph.D., Founder and CEO

2214 E. Gladwick St., Rancho Dominguez, CA 90220

Phone: (310)537-7857, www.DxTerity.com

Job Description: Staff Scientist, Assay Development

Company/Technology Overview

DxTerity Diagnostics, a closely-held, privately-owned biotechnology company, has developed a rapid, simple and cost-effective method for performing complex genetic tests. This patent-protected methodology, **NEAT™** (*Non-Enzymatic Amplification Technology*), enables testing in the doctor's office or at a patient's bedside. The entire testing process takes about one hour, a timeframe that is suitable for the routine incorporation of genetic testing into medical practice and one that is significantly shorter than current testing methods. DxTerity's platform will allow for the rapid analysis of complex genetic signatures such as is required for the determination of cancer prognosis, broad spectrum respiratory virus testing (FluDx) and complex hospital acquired infection screening.

Job Opportunity:

DxTerity Diagnostics is in need of a knowledgeable and experienced Staff Scientist for its Assay Development group. The candidate will be responsible for developing new molecular diagnostic tests and new genomic technologies. The candidate should be well versed in all aspects of developing quantitative oligonucleotide probe-based gene expression technologies and assays, statistical and bioinformatic analysis and probe design. Experience in an FDA-compliant environment is desirable. The candidate should be hands on and comfortable working in a fast-paced and dynamic company. The candidate must be results-oriented, with a demonstrated ability to work efficiently to achieve time-sensitive milestones.

Essential Functions:

- Develop and validate new genomic assays based on DxTerity's proprietary NEAT technology.
- Plan, manage, and execute assigned assay development-related projects utilizing established best practices and/or innovative procedures, applying engineering and scientific knowledge and accumulated experience to complete projects.
- Analyze data, evaluate results, form conclusions, and provide and/or implement product, process, or documentation improvements.
- Document work results in the form of laboratory notebook entries, written reports and/or company presentations. Documentation must be clearly understandable to the target audience and compliant with requirements of regulatory agencies and/or protection of company intellectual property.
- Develop a good understanding of competing technologies and new technical advances so as to effectively utilize current best practices and devise robust solutions to technical problems.
- Ensure activities are consistent with project critical path, and respond appropriately to changing priorities. Manage activities and assigned projects to reach agreed objectives.
- Work closely with team members in a collaborative environment.
- Develop work plans and approaches to deliver results as efficiently as possible.
- Adjust work schedule meet time-sensitive project milestones.



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Nature and Scope:

Participates with team members to design, develop and test molecular diagnostic assays. Works in the lab and coordinates activities with team members and collaborators. Develops an efficient work plan for the achievement of goals and able to develop novel solutions to overcome obstacles. Maintains a high quality notebook and carefully documents innovations.

Measures of Contribution/Impact:

Contribution is measured through, but not limited to, timely achievement of program milestones, innovative solutions to complex problems, new product development, and effective team participation.

Education:

Ph.D. in molecular biology, biological and/or chemical sciences.

Experience:

- 2+ years of relevant experience developing quantitative gene expression platforms and assays.
- Previous experience working in a commercial setting preferred.
- Demonstrated ability to solve complicated problems.
- Prior experience working in a QSR-compliant environment a plus.
- Prior experience in developing and commercializing new products a plus.

Key knowledge includes:

- Broad knowledge of molecular biology and genomic analysis methods.
- In depth knowledge of RNA analysis methods.
- Advanced technical writing skills to produce reports and documents.

Key skills/abilities include:

- Must have excellent leadership and communication skills with experience in training and supervising technical personnel.
- Excellent organizational skills, including the ability to efficiently evaluate, prioritize and handle multiple and changing projects and priorities.
- Excellent verbal and written communication skills and the ability to interpret and summarize scientific results in a clear, concise, accurate manner.
- Demonstrated ability to formulate and solve problems.
- Proven ability to lead and provide work direction required.

Physical Demands:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable



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accommodations may be made to enable individuals with disabilities to perform the essential functions.

Work entails regularly performing tasks while working at a computer, desk, laboratory bench or automated machine. Work may involve occasional climbing or balance. Work entails occasional lifting and/or moving up to 25 pounds.

The employee's sensory modalities (vision, hearing, smell) and physical capabilities (ambulation without mechanical assistance, strength, coordination, dexterity, range of motion) must be sufficient to independently perform duties/functions of the position.

Working Conditions:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

This position will involve a combination of office and biotechnology laboratory environments. While performing the duties of this job, the employee may be exposed to hazardous chemicals, blood-borne pathogens, automated equipment, and high levels of noise and vibration. The noise level in the work environment is usually moderate.

Limited travel is required.