



DxTerity Diagnostics, Inc.
2214 E. Gladwick St., Rancho Dominguez, CA 90220
Phone: (310)537-7857, www.DxTerity.com

JOB DESCRIPTION: Senior Research Associate, 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 Senior Research Associate for its Assay Development group. The candidate will be responsible for developing new molecular diagnostic tests and new genomic technologies. The candidate should be experienced in a wide range of molecular biology techniques and capable of designing, performing and analyzing data with limited supervision. The ideal candidate will be experienced in one or more of the following techniques: isolation and purification of RNA, reverse transcriptase-polymerase chain reaction (RT-PCR), quantitative measurement of gene expression, bioinformatic analysis and oligonucleotide probe/primer 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:

- Perform experiments related to the development and validation of genomic assays based on DxTerity's proprietary NEAT technology.
- Analyze data, evaluate results, form conclusions, and provide input into planning for follow-up studies.
- Perform general molecular biology tasks, including DNA and RNA isolation and quantification, analysis by gel or capillary electrophoresis, design primers and oligonucleotide probes, etc.
- Document work results in the form of laboratory notebook entries, written reports, standard operating procedures 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.
- Perform routine laboratory tasks, such as ordering of supplies, laboratory organization and clean-up, equipment maintenance, etc.
- 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:

Under the supervision of senior scientific staff, 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 resolution of problems. Maintains a high quality notebook and provides appropriate documentation to support compliance with regulatory requirements.

Measures of Contribution/Impact:

Contribution is measured through, but not limited to, timely completion of assigned tasks and projects, accuracy and repeatability of work, quality of documentation and effective team participation.

Education:

Bachelor of Science (BS) in molecular biology, biological and/or chemical sciences is required; Master of Science (MS) is desirable.

Experience:

- At least 5 years of relevant experience with a BS degree, or at least 2 years with a MS degree.
- Previous experience working in a commercial setting preferred.
- Demonstrated ability to design and perform experiments, analyze, interpret and document results and trouble-shoot and solve problems with minimal supervision.
- Prior experience working in a QSR-compliant environment a plus.
- Prior experience in developing and commercializing new products a plus.

Key knowledge includes:

- Knowledge of molecular biology and genomic principles and methods.
- Technical writing skills to document results in the form of lab notebooks, reports and procedures.

Key skills/abilities include:

- Must have excellent teamwork and communication skills.
- 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 perform complex experiments accurately to generate reproducible results.

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.