

Integrated DNA Technologies

ID 2017-3407

Job Locations US-IA-Coralville

Category Research & Development

of Openings 1

Posted Date 7/19/2017

Shift/Schedule M-F 40 Hour Week (United States of America)

Overview

We are looking for a highly motivated scientist with product development experience to join IDT's R&D group. The new team member will aid in the development and characterization of new genomics products mainly in the NGS and qPCR to help create cutting edge, robust new products and assays for basic research, agricultural, and clinical applications.

The preferred Research Scientist III candidate will have 7+ years of verification and validation/product development experience for genomic products. A strong working knowledge and bench level experience in next generation sequencing and amplification based products are essential.

This position is within the Verification and Validation group in Coralville, IA. As a member of the development team, this position will be responsible for designing, planning and executing testing to ensure compliance to product requirements.

Industry Experience Highly Desired!

Responsibilities

Position Specific Duties/Essential Functions:

- Develop and review product requirements in order to create and execute verification and validation test plans.
- Analyzes data using appropriate statistical tests, report results and plan the next steps.
- Acts as project lead, representing the department on new product development teams.

Job Specific Duties/Essential Functions:

- Applies extensive scientific knowledge with broad laboratory skills to execute complex bench experiments using variety of molecular biology, cell biology, biochemical and general laboratory techniques as directed.
- Develops experimental plan, independently, to move projects forward.
- Analyzes raw data, organizes results and plans the next steps and implements.
- Develops creative solutions for complex problems, drawing on extensive knowledge of science and bench laboratory experience.
- Leads complex projects that may require a multi-member team.
- Utilizes mathematical, graphical, imaging, nucleic acid analysis and other software aids as needed.
- Maintains accurate and detailed records of experimental work.
- Presents experimental results, data analysis, or prior art evaluations at group meetings as directed.
- Directs preparation of technical reports for internal and external use; assists SciCom in preparing formal protocols for public display or distribution.
- Provides, on a routine basis, scientific support for other IDT departments; assists customer service/technical support with direct customer interaction and helps manage or lead external collaborative research projects as directed.
- Assists with general scientific and specific new product training for other IDT groups.
- Introduces new techniques into the research group which have not previously been used at IDT. Participates new technology assessment.
- Demonstrates behavior consistent with the Integrated DNA Technologies Core Values.
- Performs other duties as assigned.

Education

- Bachelor's degree (in Biology, Genetics, Chemistry or a related life sciences field) with ten or more years relevant lab experience required
- Master's degree (in Biology, Genetics, Chemistry or a related life sciences field) with eight or more years relevant lab experience preferred
- PhD degree (in Biology, Genetics, Chemistry or a related life sciences field) with six or more years relevant lab experience preferred

Professional Experience

- Knowledge and bench level experience in NGS and/or qPCR applications required.
- Biotech Industry experience in product development/verification and validation is highly preferred.
- Prior experience in the functional verification and validation testing of products and processes (required).
- Experience in the application of statistical principles (required)
- Experience in using JMP or other software for statistical analysis and DOE experiments. (preferred)

- Proficiency in a variety of PC software programs with strong working knowledge of Microsoft Office required.
- Applies statistics for DOE during research and product development activities required.
- Previous experience with public speaking preferred.
- Strong publication record in peer-reviewed journals preferred.
- Extensive knowledge of IDT products and product lines preferred.

Other Knowledge, Skills, and Abilities

- Ability to train others in basic laboratory techniques and equipment operation.
- Strong organizational skills and attention to detail.
- Ability to multitask and maintain several projects at one time.
- Good verbal and written communication skills.
- Ability to communicate with peers and all levels of management.

Physical Requirements:

Exert up to 20 lbs. of force occasionally and/or up to 10 lbs. of force frequently

Integrated DNA Technologies is an equal employment and affirmative action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.

Apply Here: <http://www.Click2apply.net/9sqx92pp7kyks9r5>

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