

JOB DESCRIPTION

Job Title: Sr. Research Associate
Department: Assay Development R&D
FLSA Classification: Exempt

Location: San Diego, CA
Reports to: Senior Manager or Director

SUMMARY:

Exercises technical expertise and discretion in the design, execution and interpretation of experiments that contribute to project strategies. Designs and executes complex experiments to complete a segment of the overall project and incorporates findings into design of future experiments. Acts as primary investigator in conducting his/her own experiments and routinely exercises independent judgment in developing methods, techniques, and evaluation criteria for obtaining results. Uses professional concepts to contribute to development of company's concepts and principles and to achieve objectives in creative and effective ways.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Prepares technical reports, summaries, protocols and data analyses
- Presents and discusses results of experiments with peers and supervisors
- Integrates own data with those of others within and outside of the team
- Maintains complete and accurate records
- Writes and reviews product documentation
- Presents data to R&D team
- Writes study protocols and reports covering several lines of experimentation
- Operates complex lab equipment and performs routine maintenance
- Assists in the establishment of procedures and research methodologies
- Provides recommendations and observations to scientific staff
- Initiates literature review and searches
- Trains others on project assay and serves as a resource for solving product issues
- May oversee junior level Research Associates

QUALIFICATIONS AND TECHNICAL SKILLS:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Advanced knowledge of molecular biology and nucleic acid amplification
- Advanced knowledge of laboratory procedures, established techniques, instruments and equipment
- Ability to perform an amplified test
- Understanding of Universal Precautions and Laboratory Safety
- Understanding of QSR and GLP
- Understanding/execution of statistical calculations, experience with JMP preferred
- Ability to write study protocols and reports
- Statistical design of Experiments (DOE)
- Understanding of proprietary nucleic acid amplification technologies
- Typically providing services or solutions to complex technical problems.

EDUCATION AND EXPERIENCE:

- Bachelor's degree in Science with 8-12 years relevant job experience
- Master's degree in Science with 4 – 6 years of relevant job experience