

Job Title: Staff Biologist
Department: Product Development
Reports To: Assay Group Manager

GENERAL DESCRIPTION

The Staff Biologist is responsible for the applied research of assay chemistries, and development of new chemistries applicable to multiplexed chemiluminescent (and fluorescent) detection systems. The position requires an in depth knowledge of assay binding chemistries, organic dyes, substrates, chemiluminescent and fluorescence reporter chemistries. This position can be filled by either an entry-level candidate or an individual with industry experience; salary adjusted accordingly.

REQUIREMENTS

Education:

- BS/MS in Biology or Biochemistry from Major University
- >5 Years Industry Experience

Skills and Experience Required:

- Direct experience developing ELISA assays.
- Direct experience developing paper-based (lateral flow) assays.
- Experience with chemiluminescent detection chemistries.
- Experience with multiplexed assays.
- Hands on experience in developing, producing, and running multiplexed assays using an ELISA plate reader.
- Strong analytical and communication skills.
- Excellent interpersonal skills.

Essential Duties and Responsibilities

Responsibilities:

- Optimize ELISA assay performance.
- Optimize assay performance in a lateral flow paper diagnostic format.
- Research and development of multiplexed assay chemistries.
- Construct the design of complex laboratory experiments.
- Perform experimental testing and data analysis.
- Development of novel assay chemistries.
- Research of chemiluminescent probe chemistries.
- Development of prototype assay processing and assay analysis equipment.
- Modeling and data analysis of multiplexed assay results.
- Contribute to the creation of innovative solutions.
- Assist with the maintenance, cleanliness and safety of the laboratory.
- Interface and work effectively with multiple interdisciplinary departments.

Working Conditions:

- Work is normally performed in a typical office or lab work environment.
- Possible exposure to mechanical, biologic and chemical hazards.
- Frequent use of personal computer, copiers, printers, and telephones.
- Frequent standing, walking, climbing stairs, sitting, listening, and talking.
- Frequent work under stress, as a team member, and in direct contact with others.
- Infrequent lifting of up to 25 lbs.