

Biophysical Characterization Associate

Location Indiana - Indianapolis

Education Required Bachelors/Masters

Job ID 50430693

Years of Experience 3

Functional Area Science

Job Type Experienced

Job Description

For more than 130 years, Lilly has been dedicated to meeting the health care needs of people in the United States and around the world. We address these needs primarily by developing innovative medicines—investing a higher percentage of our sales in research and development than any other major pharmaceutical company. If you are interested in being considered for employment with a “Best in Class” Pharmaceutical company, please review the following opportunity:

Biophysical Characterization Associate

Due to a strategic commitment to the growth of biotherapeutics within the Lilly portfolio, multiple opportunities are currently available within the Bioproduct Research and Development organization. This group is a multidisciplinary organization, focused on the development and commercialization of monoclonal antibodies, novel therapeutic proteins and peptides. These efforts are maximized through the collaborative activities of scientists at our Indianapolis site with partners in discovery and manufacturing, taking full advantage of our scientific excellence and engineering capabilities in drug substance, analytical and drug product / device development, coupled with the integrated operational strategy of the biotherapeutic discovery, development and manufacturing organizations.

KEY OBJECTIVES/DELIVERABLES:

The biophysical scientist is responsible for development and utilization of appropriate biophysical tools and techniques to characterize the physiochemical properties of in-process material, drug substance and drug product. The biophysical scientist will interact closely with colleagues from other functional areas and may be an integral part of multidisciplinary teams that provide support for product and process development, as well as discovery and manufacturing.

- Development and verification/qualification of appropriate biophysical tools and techniques to characterize the physiochemical properties of in-process materials, drug substance and drug product.
- All aspects of laboratory operations including sample receipt, data generation, verification and interpretation, aberrant data investigations, instrument qualification, operation and trouble-shooting, and all supporting documentation for such activities
- Appropriate use of LIMS and other informatics interfaces within the laboratory
- Participation in cross-functional teams and effective collaboration with other groups in Bioprocess and Bioproduct Development, Discovery, MS&T and Manufacturing, as well as outsourcing partners and other external parties
- Authoring of technical reports and regulatory documents.
- Identifying and implementing new technologies / capabilities.
- Ensuring work is aligned with all relevant Development Quality, regulatory and HSE requirements

MINIMUM REQUIREMENTS:

- B.S. in Biochemistry/Biophysics/Biophysical Chemistry, Chemical/Biochemical Engineering, or related field

with 3 plus experience in pharmaceutical or biotech company in applying biophysical techniques for characterization OR

- M.S. in Biochemistry/Biophysics/Biophysical Chemistry, Chemical/Biochemical Engineering, or related field
- Basic understanding of therapeutic protein structure/function, and relevant physical/chemical degradation pathways
- Knowledge of and experience with multiple experimental biophysical techniques used to assess protein higher order structure
- Ability to work productively in an interdisciplinary team environment
- Qualified candidate must be legally authorized to be employed in the United States. Lilly does not anticipate providing sponsorship for employment visa status (e.g., H-1B or TN status) for this position.

ADDITIONAL SKILLS/PREFERENCES:

- Experience in pharmaceutical or biotech company in applying biophysical techniques for characterization and problem-solving during protein process and formulation is highly desirable
- In-depth understanding of protein chemistry, structure and conformation, as relates to chemical and physical stability
- Ability to independently contribute from the bench (design experiments, generate data, and interpret results)
- Effective oral and written communication skills, self-management, task planning and organization
- Experience with computational tools and techniques and the development of mathematical models to describe experimental data is also desirable

Lilly credits its exceptional employees for its successes, and knows the key to ongoing achievement lies in attracting and retaining the best people. A company rich in heritage, Lilly employs individuals, conducts research and markets products worldwide. By providing for the unmet needs of our customers through a continuous stream of innovation, we will outgrow all competitors.

Lilly earns consistent and wide recognition for creating an exceptional work environment while maintaining our highly regarded reputation in the Pharmaceutical Industry and Community. The following is a selection of awards and recognition Lilly has received in recent years:

[Awards and Recognition](#)

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