Scientific Opportunity with San Diego Biopharmaceutical – Ambrx, Inc.

Senior Research Associate, Mammalian Cell Culture Process Development

(Job Code: 09-19BR)

Ambrx is a biopharmaceutical company enabling a new field of protein medicinal chemistry, using a fundamentally new technology that directs incorporation of amino acids beyond nature's conserved set into biosynthetic proteins to produce high value biologics products. Ambrx is seeking a highly motivated Senior Research Associate to be a key member of a fast-paced and dynamic organization.

Job Summary

The candidate will be responsible for developing cell culture medium, feeding strategies, process parameter optimization, and scale-up to support R&D, large scale production, pre-clinical, and clinical activities. Participation in writing development reports, protocols, batch records and technology transfer will also be required. This scientist should demonstrate strong scientific/technical and interpersonal skills as well as the ability to communicate effectively. The candidate will apply biological and engineering expertise to develop recombinant protein production processes suitable for large-scale cGMP manufacturing. This job may require some travel to development partners and other manufacturing sites both in and outside the US.

Job Responsibilities

- Independently set up, run, and harvest shake flasks, WAVE bioreactors, and bench top bioreactors
- Independently execute process optimization experiments in deep-well plates, shake flasks, and bioreactors
- Design experiments and analyze data
- Prepare media, buffers, and other reagents and solutions
- Order reagents and consumables and maintain cell culture equipment
- Present work in group meetings
- Comply with good housekeeping and company safety practices
- Maintenance of laboratory preparedness including responsibilities for the PM, calibration, and operations of laboratory equipment
- Maintaining experimental records and compliance procedures for Good Laboratory Practice
- Able to thrive in a highly interactive and team-based environment
- Compilation, evaluation, and presentation of experimental data in oral presentations and written technical reports
- Tech transfer activities to manufacturing organizations

Requirements

- Bachelor's or Master's degree in Chemical Engineering, Bioengineering, Biochemistry, or related scientific field with 3-5 years minimum industrial experience
- Must have hands on experience in process development utilizing CHO cells to produce biologics using deep well plates, shake flasks, and bioreactors
- Must have knowledge of Design of Experiments (DOE) and statistical analysis of data
- Must have a proven record of innovation and can apply scientific and engineering principles to solve complex problems
- A good understanding of cell physiology, metabolism, and cell biology

- Ability to multitask and adapt in a fast-paced environment and stay focused on project deliverables
- Work with minimum supervision in designing and executing experiments and analyzing data

Additional Desired Experience and Skills

- Knowledgeable in cell culture process scale-up and technology transfer to contract manufacturing organizations
- Working knowledge of GMPs and experience writing SOPs and batch records
- Medium development experience for CHO cell culture
- Experience with pilot scale bioreactors and primary recovery equipment