

Employment Opportunity/Job Description

Posting Title: Associate Scientist, Cellular Mechanisms
Division: iVexSol Scientific Research and Development
Work Location: Lexington, MA
Job Type: Full Time
Employment Type: Regular

Job Description: *iVexSol, Inc. is a rapidly growing vector manufacturing company founded on a truly transformative, next-generation technology that enables the creation of stable lentiviral vector producer cell lines for virtually any therapeutic gene. This technology will revolutionize the way gene therapy vectors are manufactured, sold, and employed by therapy providers, and in doing so, enable us to make a significant contribution to the elimination of suffering due to human disease. We are actively recruiting for creative and ethical teammates with the vision and courage to innovate **beyond** today's perception of what is possible to transform vector production so that no patient is left waiting for a cure.*

iVexSol's Research and Development Cell Mechanisms team is seeking a Scientist/Associate Scientist who can help answer key scientific questions and support the development of translational methods to advance iVexSol's mission. The successful candidate will be expected to provide hands-on expertise in cell and molecular biology while thriving in a fluid work environment that is rapidly evolving from a small biotech to a global manufacturer of gene-delivery vehicles.

Responsibilities:

- Initial responsibilities focused on cell line development, which are the foundation for future cGMP manufacturing. The expectations are that this role will become the cell line development process expert and will transition into a Cell Team Production Lead for routine production activities.

Cell Line Development

- Experience with cell line development platforms and cell line genetic engineering including single cell cloning (both manual and automated), lead candidate screening using automation and high throughput technologies, and the use of viral and or non-viral gene delivery.
- Cell culture expertise including automated cell counting, generation of growth curves, cryopreservation and thawing, and cell banking
- A capable and creative problem solver experienced in process development, capable of designing and executing experiments that can apply scientific principles utilizing Design of Experiments and Quality By Design.

- A commitment to complying universal lab protocol to ensure successful execution of experimental designs in a safe and compliant BSL-2 lab environment
- Experienced in data analysis and interpretation including relevant software-based scientific tools.
- Deliver high-quality data using state-of-the-art cell biology techniques including cell counting, sorting, and automation equipment
- Utilize problem solving, critical thinking, and effective written and verbal presentation skills in a matrixed team environment
- Execute scientific experiments with minimal supervision, present experimental designs, protocols, results and interpretations in group meetings, project team meetings and/or departmental meetings in PowerPoint format.
- Maintaining familiarity with current scientific literature and techniques in the field of cell line engineering and production.
- Ensure compliance for documentation in lab notebook and author scientific reports that supports internal documentation.

Production Support (Future 2024)

- Utilize cell line development experience to transfer and establish robust manufacturing records and procedures to support routine production.
- Primary Production responsibility will be cell bank manufacturing, process optimization, maintaining critical documentation and ensuring cGMP compliance.
- Operate production equipment within an assigned functional area adhering to current Good Manufacturing Practices and standard operating procedures.
- Revise and create process documents and assist with process related investigations.
- Assemble, clean, and sterilize process equipment and monitor processes.
- Train for proficiency in process automation and supporting business systems and in the operation of primary production equipment within the assigned functional area.
- Complete electronic work instructions and maintain cleanroom environment to comply with regulatory requirements.
- Support a safe work environment and contribute to area specific initiatives associated with work safety.

Minimal Job Requirements:

- Candidate must be authorized to work in the United States
- BS in Scientific or Engineering discipline with 1-3 years' experience,
- Prior experience successfully participating on teams where personal accountability, attention to detail, collaboration, and results were expected.
- Demonstrated proficiency in common computer tools and web-based applications.



- Prior experience with BSL-2 lab operations and/or current Good Manufacturing Practices (cGMP) regulations and/or prior work experience in a cleanroom or highly regulated environment desired.

EEO Statement: iVexSol Inc., is an Equal Opportunity Employer who endeavors to create and maintain a diverse environment. We do not discriminate in recruiting, hiring, training, promotion or any other employment practice for reasons of race, color, religion, gender, national origin, age, sexual orientation, marital or veteran status, disability, or any other legally protected status.

Hiring Manager: Lana Parent, Exec. Director R&D Operations

Closing Date: 04/30/2023

Please send CV and cover letter to: Careers@ivexsol.com