



Employment Opportunity/Job Description

Posting Title: Lead Scientist/Senior 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 Lead Scientist who can function as a project leader to answer key scientific questions and develop 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

- Experienced in 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
- Strong cell culture development and process expertise including automated cell counting, generation of growth curves, cryopreservation, 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.
- Experienced in technology transfer and experiments that inform translational projects designed for regulated environments (cGMP) for use in cell and gene therapeutics to be given to human patients (approved for clinical use).
- Must be scientifically literate: able to read, understand, summarize, and retain the work of others while also able to summarize, compose, and communicate their own work, in all applicable settings, and to diverse audiences of varying technical understanding.
- Must possess computer proficiency with Microsoft Office suite and other scientific software applications associated with equipment and instruments typically used in laboratory operations.
- Commitment to the highest-quality research with outstanding technical skills and scientific rigor
- Experience developing complex experiments and providing leadership to scientific staff to evaluate critical parameters and data.
- Formulate a research plan and experimental designs in alignment with the scientific objectives.
- Deliver high-quality data using state-of-the-art cell biology techniques including cell counting, sorting, and automation equipment
- Generate and review detailed data and maintain accurate records following GDP
- Communicate results at regular departmental and organizational meetings
- Utilize problem solving, critical thinking, and effective written and verbal presentation skills in a matrixed team environment
- Expected to provide direction to the cell bank production team, ensure consistent compliance, approve documentation, proactively identify process deviations and ensure compliance.
- Identify process improvements and proposed changes to resolve diverse problems and provide oversight of production personnel to maintain a robust production process.

Production Support (Future, 2024)

- Support Tech Transfer established cell line engineering from Lab based operations into production in the cleanroom environment.
- 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.
- Partnering with project teams in decision making to align deliverables with agreed upon timelines.
- Demonstrate good organizational and communication skills. Expected to be accountable for effectiveness and timelines of completion of project goals.

- Ability to balance multiple projects under a demanding timeline, with the potential for off shift coverage of production operations.

**Minimal Job
Requirements:**

- Candidate must be authorized to work in the United States
- Candidate must have a PhD in Biology or a related field plus 2+ years of relevant laboratory experience, or a MS in Biology or a related field plus 5+ years of experience, or a BS in a scientific discipline or a related field plus 10+ years of experience. Experience as a supervisor with direct reports is a plus.
- Be able to work both independently and as a team member/leader

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: 04/31/2023

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