



SCIENTIST/SENIOR SCIENTIST CELL THERAPY DEVELOPMENT

NATICK, MA | FULL-TIME

Cytovia Therapeutics is a biotechnology company that aims to accelerate patient access to transformational immunotherapies, addressing several of the most challenging unmet medical needs in cancer. Cytovia focuses on Natural Killer (NK) cell biology and is leveraging multiple advanced patented technologies, including an induced pluripotent stem cell (iPSC) platform for CAR (Chimeric Antigen Receptors) NK cell therapy, next-generation precision gene-editing to enhance targeting of NK cells, and NK engager multi-functional antibodies. Our initial product portfolio focuses on both hematological malignancies such as multiple myeloma and solid tumors including hepatocellular carcinoma and glioblastoma. The company is establishing R&D and GMP manufacturing operations in the greater Boston area and partners with Cellectis, CytoImmune, the Hebrew University of Jerusalem, INSERM, the New York Stem Cell Foundation, STC Biologics, and the University of California San Francisco (UCSF).

The Role:

The candidate will be part of a multidisciplinary team focused on translation of process development and analytical method development for implementation of Cytovia's innovative cell-based therapeutic products into GMP. The individual will be responsible for performing and optimizing process and analytical methods, drafting detailed documents, and collaborating in a cross-functional, fast-paced environment.

Key Responsibilities:

- Support and design experiments to characterize, scale-up and continually optimize manufacturing process.
- Support implementation of new processes, process changes and scaled-up processes into GMP manufacturing.
- Support and design analytical method development, optimization and qualification of analytical methods including phenotypic and functional characterization methods.
- Support implementation of new analytical methods and analytical method changes into QC
- Conduct cell culture and banking including feeder cells, target cells and iPSC lines, HSC, and NK cells.
- Timely and detailed record-keeping of experiments
- Writing detailed batch records, SOPs, STPs, qualification procedures and reports
- Summarizing and communicating experimental results



Requirements:

- Master or PhD degree in related cell biology field, with 3+ years' working experience in cell therapy program, preferable in iPSC-derived cell therapy projects in an industry setting. Experience with primary cell culture and aseptic technique required.
- Experience with stem cell culture preferred.
- Experience with process development and scale-up preferred
- Experience with flow cytometry and cell-based assays preferred
- Knowledge of tech transfer, GMP systems, and qualification/validation preferred
- Excellent interpersonal skills and outstanding organizational skills
- Excellent written and oral communication skills
- Creative problem solver
- Ability to operate in a fast-paced, multi-disciplinary industrial environment
- Travel may be required
- Evening and weekend work may be required

What we offer:

- Competitive salary (DOE)
- 401(k) employer match, health, dental, vision benefits.
- Professional training and development opportunities.

Cytovia Therapeutics is an Equal Opportunity Employer

We strive to create a space free of both explicit and implicit discrimination and harassment where everyone feels safe, heard, and valued. The character of our employees is as important as their talent, and we're proud of the team and environment we're assembling as we grow.