

SCIENTIST, CELL THERAPY (SCIENTIST TO PRINCIPLE SCIENTIST)

BOSTON, 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 successful candidates will contribute to the continuous development of Cytovia's iPSC-NK platform technology and the design and execution of enabling preclinical studies to support clinical development.

Key Responsibilities:

- Design and implement the continuous optimization of Cytovia's current iPSC-NK manufacturing process.
- Participate in the continuous effort to development of additional iPSC-NK manufacturing process, such as feeder-cell free NK cell expansion process.
- Participate in intersection between process development and GMP manufacturing
- Participate in the assessment of infusion product, persistence to enable continuous process improvement
- Implement novel cell therapy strategy with CMO/academic partners manufacturing cells;
- Assist in building Out Manufacturing Including Expanded QC
- Develop technology transfer from process development to manufacturing and registration
- Explore new directions in iPSC-based cell therapies in oncology

Requirements:

- Ph.D./M.D. with >3 years/ experience in cell biology, immunology or related discipline. Industry experience in cell therapies and management experience. Experience in NK cells and or iPSC is highly desired.
- Understanding of biology supporting adoptive cellular therapy as a therapeutic modality.
- Demonstrable experience in multi-color flow cytometry interpretation and characterization of cellular subsets in human blood and tissue is required.
- Training and/or experience in designing and implementing translational research efforts in *in vitro/in vivo* functional studies.
- Ability to troubleshoot and interpret complex data in an independent fashion
- Excellent interpersonal, verbal and written communication skills, creative thinking, problem solving, flexibility and demonstrated ability to harness existing data sets.
- Collaborative spirit and ability to work with project teams, external investigators and contract research organizations.
- Highly motivated, innovative and strong team player. Excellent time management required.

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.