

RESEARCH ASSOCIATE/SENIOR RESEARCH ASSOCIATE, CELL THERAPY

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:

We are looking for candidates for a position at the level of Research Associate (RA) or senior RA in our cell therapy group. This person will join our Research/Process development team to take care of human induced pluripotent stem cells (hiPSCs) and their derivatives in support of early-stage NK cell development, as well as to help develop the cell culture processes for tech transfer into the GMP manufacturing. This role is located at our Natick lab and reports to the associate director of cell therapy group.

Key Responsibilities:

- To maintain hiPSC culture of high quality, with QC analysis of the cultured hiPSCs periodically, for downstream development or cryopreservation.
- To enrich the engineered hiPSCs and help maintain the monoclonal expansion of the engineered hiPSCs.
- To help maintain the iPSC-derived intermediate cells/progenitor cells for downstream development.
- To run cell-based assays to monitor the phenotype of cultured cells, following the SOPs.
- To evaluate the function of immune cell products, following the SOPs.
- To analyze and interpret the experiment data for scientific presentation.
- To keep good experiment records and update the experiment report in a timely manner.
- To work with process development scientist to summarize the results and develop the SOPs for tech transfer.
- To work with lab manager to order lab reagents and supplies in regular basis.

Requirements:

- BS or MS in Cell Biology, Biological/Biomedical Engineering, Biochemistry, Biotechnology, or related discipline.
- BS with 5+ years, or MS with 3+ years, of hands-on experience in cell culture and aseptic techniques. Human iPSC culture experience is desired.
- 2+ years of working experience in cell-based assays, such as flow cytometry/ qPCR/ immunostaining/ luminex assay, etc.
- 2+ years of working experience to evaluate the function of immune cells, such as tumor cell killing assays and degranulation assay, etc.
- Evening and weekend work may be required.
- Strong understanding of developmental/ cellular/ molecular biology.
- Well organized and detail oriented in lab work, with consistent reliability and responsibility.
- Good oral and written skills to communicate the work plan, summarize lab work, and draft the study protocol/study report/ SOPs.
- Proficient with Microsoft Office tools, SharePoint, and other commonly used software for data analysis.
- Excellent interpersonal skills and comfortable working in a cross-functional environment.
- Ability to operate in a fast-paced, multi-disciplinary industrial environment.

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.