GROUP LEADER, GENE EDITING
(MANAGER/ASSOCIATE DIRECTOR)

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 an experienced senior scientist with a strong background in mammalian gene editing to join us to continue to expand our iPSC CAR-NK pipeline. We are seeking a strategic, enthusiastic, competent, and self-motivated individual to be the group leader of our gene editing team. A willingness to embrace our cultural values will be critical for success in this role. This is an exciting opportunity to help build a successful therapeutics company from an early stage.

Key Responsibilities:

- Evaluate various gene-editing technologies.
- Design, implement, and troubleshoot experiments to develop and improve Cytovia's iPSC gene editing technologies
- Design, implement, and troubleshoot experiments for introducing gene edit(s) into human cells
- Develop assays to tie genotypic changes to therapeutically relevant phenotypic changes
- Analyze experimental data and present scientific results at management meetings
- Contribute to publications and patent applications
- Follow advancements in the field of gene editing and gene therapy published in the literature and presented at conferences
- Collaborate closely with the Cell Therapy and Biologic Therapy groups
- Collaborate with Manufacturing group to evaluate CRO/CMO for GMP gene editing
- Build the gene-editing group and laboratory
- Lead the gene-editing projects and day-to-day laboratory operations

Requirements:

- Ph.D. in biology, biochemistry, cell biology, or a related field with 5+ years of experience
- Expertise in culturing, transfecting, and analyzing human cell lines and primary cells
- Mastery of modern molecular biology techniques including DNA/RNA extraction, PCR, qPCR, and NGS
- Experience developing, troubleshooting, and optimizing cell-based assays and translating insights from those experiments into therapeutically relevant endpoints
- Excellent communication capability
- Experience in project management and people management

Preferred Qualifications:

- Industry experience preferred
- Direct experience with genome editing of mammalian cells with multiple delivery methods
- Experience culturing, editing, and expanding iPSC along with standard immunological assays including flow cytometry
- Experience developing cell-based therapies
- Participation in the preparation of INDs, NDAs or other regulatory submissions

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.