



Scientist / Associate Scientist / Senior RA, Genome Biology
Job Code 173DR

Description

Fate Therapeutics is seeking a highly motivated and innovative research professional with expertise in human genome characterization studies by employing the latest genomics technologies (real-time quantitative PCR, Next Generation Sequencing (NGS), etc.). The successful candidate will be a key member of the Genomics team and support the development of genomic methods to fully characterize and understand Fate's novel induced pluripotent stem cell (iPSC) - derived cellular therapy product candidates. The candidate is expected to have extensive experience in the latest molecular biology techniques including real-time PCR and NGS (DNA-seq, RNA-seq, ATAC-seq, Methyl-seq, Chip-seq, etc.). The candidate will be a key contributor within integrated and multidisciplinary teams solving complex problems while paving the way for precision development of the next generation cell-based immunotherapies in oncology and autoimmune diseases. This is a full-time position located at our corporate headquarters in San Diego.

Responsibilities:

- Perform experiments in the laboratory with general guidance from direct supervisor
- Develop experimental plans and successfully execute on timelines to meet program and corporate research objectives
- Use the latest genomics technologies to guide the development of highly-sensitive rare cell detection strategies for both *in vitro* (residual iPSC, residual support cells, etc.) and *in vivo* (bio-distribution, persistence, etc.) studies
- Provide advanced genome characterization support via genetic and epigenetic characterizations of Fate's cell-based iPSC and immune-therapy products
- Assess information to ensure data sufficiency and completeness of experimental results
- Write experimental standard operating procedures (SOPs) and research reports; keep a good laboratory notebook
- Prepare technical presentations for updating supervisor and other team members as appropriate
- Provide verbal progress reports in both formal and informal settings
- Perform additional duties as needed

Qualifications

- BS / MS + minimum 5 years of relevant lab experience or PhD +3 years post-doctoral training in cell biology, molecular biology, immunology or other related fields
- Extensive human genome characterization experience



- Demonstrated knowledge of standard molecular biology techniques (plasmid design, DNA/RNA isolation, etc.) and PCR detection technologies (qPCR, RT-qPCR, digital PCR, ddPCR, etc.)
- Experience with the latest Illumina NGS assays using different library preparation methods (DNA-seq, RNA-seq, ATAC-seq, Methyl-seq, Chip-seq, etc.) highly preferred
- Mammalian cell culture, including isolation and culture of primary hematopoietic cell types a plus
- Demonstrated success in leading and working in a cross-functional team environment
- Comfortable in a fast-paced small company environment and able to adjust workload based upon changing priorities
- Excellent communication and presentation skills and will present project updates in a group environment
- Industry experience desired

Working Conditions and Physical Requirements

- Will require working with blood and cell lines of human and animal origin
- Will require working with hazardous materials
- 100% on-site work at corporate headquarters in San Diego, CA
- Occasional evening and weekend work will be required

The preceding job description indicates the general nature and level of work performed by employees within this classification. Additional and incidental duties related to the primary duties may be required from time to time.

For consideration send cover letter and resume to: careers@fatetherapeutics.com and reference job code 173DR.

About Fate Therapeutics, Inc.

Fate Therapeutics is a clinical-stage biopharmaceutical company dedicated to the development of programmed cellular immunotherapies for cancer and immune disorders. The Company's hematopoietic cell therapy pipeline is comprised of NK- and T-cell immuno-oncology programs, including off-the-shelf product candidates derived from engineered induced pluripotent cell lines, and immuno-regulatory programs, including product candidates to prevent life-threatening complications in patients undergoing hematopoietic cell transplantation and to promote immune tolerance in patients with autoimmune disease. Its adoptive cell therapy programs are based on the Company's novel *ex vivo* cell programming approach, which it applies to modulate the therapeutic function and direct the fate of immune cells. Fate Therapeutics is headquartered in San Diego, CA. For more information, please visit www.fatetherapeutics.com.