



Research Associate, Genomics
Job code 228DR

Description

Fate Therapeutics is currently seeking a talented and highly motivated research associate with a strong background in Next Generation Sequencing (NGS) to join a multidisciplinary team dedicated to the discovery of novel cellular therapeutics. The candidate will play a key role in developing novel NGS assays to perform genomic and transcriptomic characterization of Fate's therapeutic cells, including human NK and T cells. The successful candidate must have strong expertise in standard molecular biology techniques including the isolation and QC of DNA and RNA and the generation of NGS libraries. The position will require innovative thinking, strong independent and collaborative research abilities, and excellent oral and written communication skills. This is a full-time, bench-level position reporting to the Associate Director, Genomics and is located at the Company's corporate headquarters in San Diego, California.

Responsibilities

- Perform general molecular biology tasks including nucleic acid extraction, DNA/RNA handling, quantitation and quality assessment techniques.
- Assessment of RNA gene expression using qRT-PCR and/or digital PCR.
- Conduct NGS protocols including, but not limited to, sample QC, library preparation and quantification, sequence capture, and Illumina sequencer operation.
- Develop and/or optimize novel single-cell NGS assays or genomics methods under direct supervision.
- Write, review, revise, and follow SOPs within the document management system.
- Maintain detailed, accurate and up-to-date lab records and notebooks.

Qualifications

- B.S./M.S. in Molecular Biology, Cell Biology, Microbiology, Biochemistry or related discipline plus 3+ years hands-on laboratory experience.
- Extensive experience in standard molecular biology techniques including the isolation and manipulation of both DNA and RNA is required.
- Extensive experience with standard quantification assays such as PCR, qPCR, qRT-PCR and digital PCR.
- Experience with Illumina platforms, including the generation and sequencing of libraries is required.
- Experience with CRISPR-mediated genome editing, cloning, lentivirus generation and transduction is preferred.
- Mammalian cell culture including hematopoietic cells and cell lines, including those of human origin is preferred.
- Excellent creativity, technical decision-making, and trouble shooting skills.
- Excellent communication and presentation skills.



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 228DR.

About Fate Therapeutics, Inc.

Fate Therapeutics is a clinical-stage biopharmaceutical company dedicated to the development of first-in-class cellular immunotherapies for cancer and immune disorders. The Company is pioneering the development of off-the-shelf cell products using its proprietary induced pluripotent stem cell (iPSC) product platform. The Company's immuno-oncology pipeline is comprised of FATE-NK100, a donor-derived natural killer (NK) cell cancer immunotherapy that is currently being evaluated in three Phase 1 clinical trials, as well as iPSC-derived NK cell and T-cell immunotherapies, with a focus on developing augmented cell products intended to synergize with checkpoint inhibitor and monoclonal antibody therapies and to target tumor-specific antigens. The Company's immuno-regulatory pipeline includes ProTmune™, a next-generation donor cell graft that is currently being evaluated in a Phase 2 clinical trial for the prevention of graft-versus-host disease, and a myeloid-derived suppressor cell immunotherapy for promoting immune tolerance in patients with immune disorders. Fate Therapeutics is headquartered in San Diego, CA. For more information, please visit www.fatetherapeutics.com.