



**Scientist, Molecular Engineering**  
**Job code 224TL**

**Description**

Fate Therapeutics is currently seeking a talented and highly motivated molecular biologist with strong genetic engineering background to join a multidisciplinary team dedicated to the discovery of novel cellular therapeutics for the treatment of hematological disorders and solid tumors. The candidate will play a key role in developing and optimizing strategies for engineering multiple cell types including human iPSCs, T cells, and NK cells for derivation of cell therapy products. The candidate must have extensive experience in molecular biology including plasmid design and construction, conventional and real-time PCR, and demonstrated expertise in gene editing. The candidate will also have extensive experience in tissue culture techniques, including mammalian cell culture, transient transfection, virus production and transduction. 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 Director in Molecular Engineering and is located at the Company's corporate headquarters in San Diego, California.

**Responsibilities**

- Drive research projects with timely delivery of conclusions backed by solid data and methodical analyses
- Design and generate constructs using standard cloning techniques including ligation and assembly
- Design and validate gene editing by molecular and phenotypic characterization including flow cytometry and mismatch cleavage assay
- Generate stable/clonal genetically modified cell lines for *in vitro* and *in vivo* studies
- Communicate research in cross-disciplinary team meetings as well as with external partners

**Qualifications**

- Requires Ph.D. degree and minimum 2 years postdoctoral training in molecular biology, synthetic biology, cell biology, or related discipline. Industry experience preferred.
- Demonstrated expertise in cutting edge gene editing technologies, including gRNA design, donor template building, cleavage assays, etc.
- Extensive experience in molecular cloning, vector construction, transfection and viral infection, and transgene expression
- Prior immunology experience including T cell and NK cell biology and chimeric antigen receptors 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](mailto:careers@fatetherapeutics.com) and reference job code 224TL.

### **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](http://www.fatetherapeutics.com).