



**Scientist/Senior Scientist, Molecular Biology**  
**Job code 183TL**

**Description**

Fate Therapeutics is currently seeking a talented and highly motivated molecular biologist with strong genetic engineering background to join a multidisciplinary R&D team for developing stem cell derived immunotherapies. The candidate will play a key role in developing and implementing technologies for generation of clonal engineered master induced pluripotent stem cell (iPSC) lines for IND enabling studies. The candidate will also be responsible for identifying/validating novel gene editing techniques compatible with Fate's proprietary state-of-the-art iPSC platform. The successful candidate must demonstrate broad and in-depth understanding of various molecular engineering techniques as well as strong expertise in generation and characterization of cell lines with specific gene disruptions and targeted integrations. The position will require strong independent and collaborative research abilities, excellent oral and written communication skills. This is a full-time hands-on research position that reports to the Associate Director, Molecular Biology and is located at Fate's corporate headquarters in San Diego, CA.

**Responsibilities:**

- Lead or co-lead research projects with assumed responsibility for successful and timely delivery of conclusions backed by solid data and methodical analyses
- Design and evaluate molecular tools for gene editing and expression control by applying the latest genetic manipulation technologies for optimized efficiency and specificity scalable for manufacturing process
- Design and generate constructs using standard cloning techniques including ligation and assembly
- Generate stable/clonal genetically modified iPSC lines with comprehensive molecular and phenotypic characterization
- Create innovative hypotheses, conceive and conduct experimental plans, and present results in cross-disciplinary team meetings

**Qualifications**

- Requires Ph.D. degree and postdoctoral training in molecular biology, synthetic biology, cell biology, or related discipline with 5+ years' experience of industrial experience
- Leadership skills in managing a research team and being a technical expert in guiding research activities
- Demonstrated expertise in cutting edge gene editing technologies, including gRNA design, donor template building, genome cleavage assays, off-target evaluation, genomic integration analysis, etc.



- Extensive experience in molecular cloning, vector construction, transfection and viral infection, and transgene expression
- Prior stem cell experience including iPSC is preferred
- Prior immunology experience including T cell and NK cell biology and chimeric antigen receptors is highly desired
- Experience in working with cGMP compliant/quality controlled procedures is a plus
- Demonstrated success in leading, managing and working in a cross-functional team environment
- 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 183TL.

#### **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. Fate Therapeutics is headquartered in San Diego, CA. For more information, please visit [www.fatetherapeutics.com](http://www.fatetherapeutics.com).