



**Scientist, Immunology**  
**Job Code 172PP**

**General Summary**

Fate's Immune Regulatory Cell Therapy group is seeking a talented and highly motivated immunologist with expertise in myeloid cell immunology and autoimmunity to join a multidisciplinary team dedicated to the discovery of novel cellular therapeutics for the treatment of inflammatory and autoimmune disorders. The successful candidate will be responsible for identifying and implementing myeloid differentiation protocols from induced pluripotent stem cells (iPSC), the subsequent characterization of iPSC derived myeloid cells and their functional assessments *in vitro* and in murine models of immune disorders. In addition, the candidate will be involved in efforts to identify novel strategies to improve effector function and persistence of myeloid cell products through genetic engineering. The candidate must have in depth knowledge of myeloid cell immunology in addition to extensive experience with mammalian cell culture and animal immune disease modeling. The position will require individual, independent research as well as coordination with the reprogramming biology and engineering, immunology, in vivo biology and process development groups. This is a full-time position reporting to the Associate Director, Research and Development, and is located at our corporate headquarters in San Diego, CA.

**Responsibilities**

- Identify and implement myeloid differentiation protocols from iPSC to generate immune regulatory myeloid cells and optimize these protocols for large scale manufacturing
- Phenotypically and functionally characterize iPSC derived myeloid immune regulatory cells and establish mechanisms of action
- Identify and implement genetic engineering strategies to improve the efficacy, trafficking and safety of immune regulatory cell products
- Execute research timelines to meet program and corporate objectives

**Qualifications**

- PhD in cell biology, immunology or related field
- Minimally 3-5 years post-doctoral training in academia or industry
- Extensive experience in myeloid cell immunology and immune disease modeling
- Expert in flow cytometry, imaging based approaches, cellular cytotoxicity assays and myeloid cell culture and differentiation
- Demonstrated ability to work both independently within a goal-oriented team environment
- Strong scientific track-record demonstrating experience and expertise in the field of myeloid cell research

**Working Conditions and Physical Requirements**

- Will require working with cells and cell lines of human and/or animal origin
- Will require working with and/or handling of rodents
- Occasional weekend and/or evening hours required
- 100% on site work at corporate headquarters in San Diego, CA



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 curriculum vitae to: [careers@fatetherapeutics.com](mailto:careers@fatetherapeutics.com) and reference job 172PP.

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