Scientist / Associate Scientist, Process Development  
Job Code 342KP

Description
Fate Therapeutics is seeking a skilled and highly motivated cell biologist to join our Company’s Process and Assay Development team to support the Company’s off-the-shelf cellular immunotherapy programs. The successful candidate will join a multidisciplinary team pursuing the derivation of NK and T cells, from engineered iPSCs for cellular therapeutic purposes. The candidate will work on the development of robust differentiation and expansion processes and develop strategies to characterize the process. Candidates must have extensive cell culture experience, in particular with embryonic stem cells or iPSCs, and an understanding of immunology is preferred. This role will require close collaboration with internal R&D, Manufacturing, Analytical Development, and QC teams. This position is located at our corporate headquarters in San Diego, California and reports to the Senior Scientist, Process Development.

Responsibilities:
- Perform, optimize, and analyze experiments involving all stages of iPSC-derived NK cell product manufacturing (iPSC expansion, CD34 differentiation, NK differentiation and expansion)
- Identify critical process parameters and develop strategies aimed at improving robustness of Fate’s manufacturing platforms
- Evaluate and implement new technologies for specific manufacturing processes, as appropriate
- Perform troubleshooting and root cause analysis experiments to support Manufacturing productions
- Collaborate with Manufacturing to identify potential process improvements and design appropriate experiments to evaluate and implement those changes
- Perform characterization of stage-specific processes utilizing flow cytometry, FACS sorting, gene expression profiling, and media analysis
- Collect, organize, and analyze data in a timely manner and in accordance with Company policy
- Design and execute experimental plans to achieve project goals within a given time constraint
- Collaborate with cross-functional teams to drive programs forward to meeting program goals (including IND submission, CMC amendments, initiation of manufacturing, etc.)
- Present data to Process and Assay Development team, Tech Ops group, larger program-specific teams, and external collaborators

Qualifications
- Ph.D. + 2 years of relevant experience, or M.S. + 4 years of relevant experience, or B.S. + 8 years of relevant experience in stem cell biology, developmental biology, biomedical engineering, immunology, or other related fields
• Prior hands-on experience with iPSC/ESC culture and differentiation
• Prior experience in multi-color flow cytometry data acquisition and manual analysis using FlowJo
• Excellent data organization and analysis using Prism or Spotfire
• Working knowledge of statistical and analytical tools, such as JMP, is preferred
• Strong communication and presentation skills
• Ability to multi-task and work effectively in a dynamic and fast-paced setting
• Positive outlook, willingness to learn, and a desire to work collaboratively in a team environment

**Working Conditions and Physical Requirements**
• Will require working with cell lines of human origin
• May require working with rodent models
• 100% on-site work at corporate headquarters in San Diego, CA
• 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 342KP.

**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 has established a leadership position in the clinical development and manufacture of universal, off-the-shelf cell products using its proprietary induced pluripotent stem cell (iPSC) product platform. The Company’s immuno-oncology product candidates include natural killer (NK) cell and T-cell cancer immunotherapies, which are designed to synergize with well-established cancer therapies, including immune checkpoint inhibitors and monoclonal antibodies, and to target tumor-associated antigens with chimeric antigen receptors (CARs). The Company’s immuno-regulatory product candidates include ProTmune™, a pharmacologically modulated, 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.