

## Scientist, Immune Cell Engineering

### Company Overview

Strand Therapeutics is an early-stage biotechnology company utilizing synthetic biology to genetically program mRNA to deliver truly revolutionary immunotherapies.

Building on the idea of creating smart therapies that are capable of making sophisticated decisions, Strand was started by biological engineers working together at MIT who were seeking to apply the concept of the emerging field of mRNA therapeutics. This collaboration led them to build their own mRNA “programming language,” creating the world’s first platform for mRNA smart therapies.

The founders and scientific advisors of Strand Therapeutics are made up of well-known and highly regarded individuals in both academia and the biotech industry. We are located in the Cambridgeport neighborhood of Cambridge, MA.

### **Become the next standout single *strand*!**

### Job summary

Strand is looking to build a team that understands the value of working at a start-up. Joining the company now means having vast opportunities to learn and grow including having the exposure to all aspects of building a company. We are looking for people who have the enthusiasm and motivation to be a highly contributing member of a small team. This opportunity will offer the employee the ability to work closely with the founding team, as well as to form close partnerships with team members during the development and formation of the company.

We are looking for a Scientist, Immune Cell Engineering to join the Platform and Discovery team at Strand Therapeutics to help drive our efforts utilizing the power of mRNA therapeutics in oncology. The incoming candidate will be expected to design and lead the engineering and functional testing of mRNA-encoded therapeutics. The scientist will utilize their knowledge and experience in immune cell biology to conduct functional *in vitro* assays with the ultimate goal of developing the next generation of immune cell-based therapeutics. The candidate will be expected to work in an innovative, fast-paced, cross-collaborative biotech environment.

### Primary Responsibilities

- Engineering of primary human immune cells using mRNA-encoded therapeutics
- Designing and execution of *in vitro* and *ex vivo* immunological and cellular assays to characterize and optimize engineered primary cells
- Utilizing a variety of molecular techniques including next generation sequencing to interrogate immune cell function and differentiation

- Maintaining a domain expertise in new technologies and scientific literature to constantly drive innovation.
- Collaborating with other members within the platform and drug formulation development teams.

### Qualifications

- Ph.D. with at least 3 or more years of relevant experience in immunology, cell biology with particular experience directly working with immune cells.
- Strong publication record demonstrating a good understanding of immune cell biology, including effector function, differentiation, exhaustion etc.
- Demonstrated experience in mammalian cell culture including isolation and characterization of primary human immune cells.
- Knowledge and direct expertise in running immunological assays including multi-color flow cytometry, cytokine profiling, immune cell killing, Luminex/MSD etc.
- Strong collaboration and inter-personal skills.
- Ability to multi-task and prioritize to meet important deadlines.

Strand offers a fast-paced, entrepreneurial, team-focused work environment. We also offer a top-notch benefits package (health, dental, life, vacation, 401k and commuter) and work/life integration. Being part of the Strand team allows you to become part of a small team that supports professional development while working together to meet the company goals.

*Strand Therapeutics is an equal opportunity employer. We do not discriminate on the basis of race, color, gender, gender identity, sexual orientation, age, religion, national or ethnic origin, disability, protected veteran status or any other basis protected by applicable law. Strand does not accept unsolicited resumes from any source other than directly from candidates.*

Job Type: Full-time

Salary: commensurate with role and experience