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## Scientist/Sr Scientist, Synthetic Biology

### 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/Sr Scientist within the Platform team to help drive our efforts in designing next-generation programmable mRNA vectors for our immuno-oncology programs at Strand Therapeutics. The ideal candidate will use fundamental biological design principles to build RNA-based genetic circuits to facilitate drug discovery and development. The candidate will be expected to work in an innovative, fast-paced, cross-collaborative biotech environment.

### Primary Responsibilities

- Lead the design and development of synthetic genetic constructs to enable programmable, cell-type specific gene expression.
- Build and test engineered circuits for desirable phenotypes in relevant cell systems in vitro thus validating predicted designs.
- Design and execute experiments utilizing molecular techniques including molecular cloning, mammalian cell transfection, flow cytometry, ELISA, qPCR, Western blot etc.
- Maintain proper records in electronic notebook and contribute to writing protocols
- Communicate experimental methods and results to fellow team members and work closely with cross-functional teams.

## Qualifications

- Ph.D. in biological or chemical engineering, molecular biology or related fields with 0-5 years of post-graduation experience in an academic or industry environment.
- Demonstrated experience designing and engineering logic circuits, preferably in mammalian systems.
- Experience designing genetic circuits for immune cells is a big plus.
- 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, 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