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## 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 highly motivated and innovative candidate for the role Scientist, Synthetic Biology. The expectation is that the Scientist, Synthetic Biology will have experience leading projects centered on design or development of synthetic biological systems with novel behaviors and functions. Reporting to the team lead of the synthetic biology team, this is a fantastic opportunity to make a significant impact developing novel synthetic biotechnologies that translate to improving healthcare outcomes and lives.

### **You are someone who is:**

- Passionate about science and takes a proactive approach to learning new technologies and methodologies.
- Undeterred by difficult problems and enjoys solving them as a team, though comfortable contributing on an independent level when necessary.
- Searching for an opportunity to grow within an early-stage company and help invent the next generation of cancer therapies.

**Some of the work you will be doing:**

- Designing, building, testing, and analyzing synthetic genetic constructs with novel and optimized functions.
- Executing molecular biology experiments using techniques including molecular cloning, RNA preparation, mammalian cell culture and transformation, flow cytometry, ELISA, Western blot, and qPCR.
- Contributing to design and execution of experiments and projects, working with colleagues to identify and advance optimal strategies.
- Working within the Synthetic Biology team and across diverse areas to support Strand's research activities in a fast-paced and collaborative environment.

**Qualifications:**

- B.S., M.S., or Ph.D. in biological engineering, biological sciences, biochemistry, or a related area is required.
- 5+ years of research experience in a biotechnology, pharmaceutical, and/or academic environment is required.
- Experience in designing, building, and characterizing synthetic biological molecules and systems.
- Deep experience with standard molecular biology techniques such as PCR, restriction enzyme cloning, Gibson assembly, mammalian cell culture, ELISA, sequencing, and flow cytometry.
- Experience in one or more of the following areas is a plus: synthetic nucleic acid design, protein engineering, computational biology, NGS, high throughput pipelines, primary cell culture.
- Excellent organization and communication ability.

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