

Scientist, Vector 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.

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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 an Scientist to help drive our efforts in vector engineering within the Platform and Discovery team at Strand Therapeutics. The ideal candidate will have extensive hands-on experience in routine molecular biology methods including construct design and vector engineering. The candidate will be involved in designing and evaluating different self-amplifying mRNA vectors for driving the expression of Strand’s target pipeline. The candidate will be expected to work in an innovative, fast-paced, cross-collaborative biotech environment.

Primary Responsibilities

- Leading vector design and optimization strategies and implementation of molecular biology tasks such as molecular cloning and site-directed mutagenesis.
- Design, build and test vector configurations, followed by assessment of the optimized constructs by performing mRNA transfections and using molecular techniques including ELISA, qPCR, dPCR, flow cytometry, Western blot etc.
- Maintaining a domain expertise in new technologies to constantly drive innovation.

- Collaborating with other members within the platform and process development teams.

Qualifications

- M.S. with at least 8 years of relevant experience or Ph.D. with at least 3 years of relevant experience in genetic engineering and molecular biology.
- Demonstrated experience in cloning, vector design and sequence analyses.
- Experience in mammalian cell culture and downstream molecular assays required.
- Knowledge and expertise in molecular virology and RNA viruses is highly preferred.
- 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