



One Kendall Square, Bldg 200, Suite 001  
Cambridge, MA 02139, USA  
careers@strandtx.com  
www.strandtx.com

## **Automation Engineer, mRNA Process Development**

### 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 heart of Kendall Square in 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 Strand now places you alongside the founding executive team and world-leading advisors. 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 initial growth stage of Strand.

We are looking for a highly motivated and innovative candidate for the role of Automation Engineer, mRNA Process Development. The expectation is that the Automation Engineer, mRNA Process Development will have experience leading automation efforts to create a high throughput production platform for the generation of plasmid and mRNA. Reporting to the Director of mRNA Process Development, the right candidate will be a strategic thinker that brings a leadership presence and enthusiasm for Strand along with a deep scientific knowledge of molecular biology, biochemistry, and automated processes.

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

- Looking to grow their leadership/management skills and be an integral part of Strand and its research discovery efforts.
- Searching for an opportunity to grow within an early-stage company and help invent the next generation of gene therapies.

- Willing to develop and nurture junior staff and serve as a mentor and advisor.
- Learns quickly on the job and can take up new and exciting projects without much oversight.
- Interested and excited at the thought of making processes higher throughput and automated

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

**About the role:**

- Design, develop, and implement high-throughput automated workflows to support production, process development, and analytical activities
- Program instruments and write software to execute automated processes
- Perform manual proof of concept studies to enable automated workflows
- Troubleshoot and refine automated process
- Collaborate with development and molecular biology teams to design and implement automated processes
- Write programs for data acquisition and processing
- Train and mentor automation associates
- Author automation protocols

**Qualifications**

- BS with 8+ years of directly related experience, MS with 6+ years of directly related experience, or PhD with 2+ years of directly related experience. Degree emphasis in Biochemistry, Chemical Engineering, Molecular Biology, Bioengineering, Molecular Medicine, Genetics or related field preferred
- Proficient with multiple liquid handling robotic platforms with Hamilton and Tecan preferred
- Experience with high-throughput process development techniques and statistical design of experiments (DoE) strongly preferred
- Familiarity with purification and filtration of biologics, specifically mRNA
- Understanding of nucleic acid chemistry, enzymatic and chemical reactions, PCR, plasmid processing, and standard analytical techniques for macromolecules
- Experience working with vendors
- Track record of completing deliverables within specified timelines
- Independently motivated, detail oriented and good problem-solving ability
- Excellent organizational skills
- Able to multi-task in an extremely fast-paced environment with changing priorities.
- This position requires conducting laboratory experiments, excellent documentation review and writing skills, and the flexibility to work on multiple projects as needed

Strand offers a fast-paced, entrepreneurial, team-focused startup environment. We also offer a top-notch benefits package (health, dental, life, vacation, gym, 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 Strand's 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