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Associate Scientist, pDNA 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 Associate Scientist, pDNA Process Development. The expectation is that the Associate Scientist will have experience independently executing pDNA process development experiments and production efforts. Reporting to the Director of Process Development, the right candidate will be a strategic thinker that brings a leadership presence and enthusiasm for Strand along with a desire to conquer new challenges.

You are someone who is:

- Looking to develop as a scientist and problem-solver and become an integral part of Strand’s process development efforts.
- Searching for an opportunity to grow within an early-stage company and help invent the next generation of gene therapies.
- Willing to learn new skills as your role progresses within the organization.
- Learns quickly on the job and can take up new and exciting projects without much oversight.

Some of the work you will be doing:

About the role:

- Responsible for execution of pDNA cloning and purification development activities appropriate for GMP manufacturing.
- Assist in development of automated production processes.
- Support scale-out efforts of our high throughput plasmid process.
- Assist with production of materials for formulation and discovery experiments.
- Execute studies for process improvements and advancements.

Qualifications

- BS with 2+ years of directly related experience. Degree emphasis in Biochemistry, Chemical Engineering, Molecular Biology, Bioengineering, Molecular Medicine, Genetics or related field preferred.
- This position requires conducting laboratory experiments, excellent documentation review and writing skills, and the flexibility to work on multiple projects as needed.
- In-depth knowledge of production of biologics, specifically pDNA, including process scale-out.
- Experience with automated systems and programming, high-throughput process development techniques a plus.
- Understanding of nucleic acid chemistry, enzymatic and chemical reactions, PCR, plasmid processing, and standard analytical techniques for macromolecules.
- Experience working with bacterial transformation and colony work.
- Experience with various cloning strategies such as Gibson assembly, site directed mutagenesis.
- Mammalian cell culture experience a plus.
- 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.

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