**POSITION DESCRIPTION: RESEARCH SCIENTIST or ENGINEER, Drug Product Development**

Ripple Therapeutics Corporation is a privately held clinical stage company focused on improving ophthalmic therapeutics with controllable sustained delivery implants. Ripple's patented technology platform is based on a discovery that drugs can be engineered into controlled release pharmaceuticals without the use of polymers. These proprietary prodrugs undergo surface erosion to give near-zero order release kinetics and are highly engineerable to tailor both drug dose and duration. The advantages of this technology include lower molecular weight and higher drug loading which allows for smaller implants and a lack of degradation products which provides both a clearer regulatory path as well as an improved safety profile. With an extended duration of therapeutic benefit, this technology will also reduce the treatment burden for patients. www.rippletherapeutics.com

**I. ROLE OVERVIEW:**

The Research Scientist/Engineer will apply their education and experience in chemistry, engineering, materials science, prototype development, and manufacturing to develop new technologies, products, and processes for drug product development (e.g., implants), technology transfer, scale up, and production. They will support science and engineering functions from early discovery through later clinical stages, working on moderately complex projects that require initiative, planning, accountability, and judgment.

**II. RESPONSIBILITIES:**

Experimental Design and Execution:

- Design and execute experiments for the development of sustained drug delivery implants.
- Utilize strong laboratory and technical skills to prepare samples for testing and conduct various scientific procedures and analytical techniques.
- Maintain a clean and safe laboratory work environment.

Data Analysis and Planning:

- Analyze data to guide next steps in experimental design.
- Develop new scientific hypotheses and conduct confirmatory experiments to explain unanticipated results.
- Identify and evaluate processing and material techniques for implant prototyping.
- Develop and/or follow test methods and standard operating procedures for analytical techniques and equipment.

Innovation and Critical Thinking:

- Contribute ideas to advance knowledge related to company technologies, products, or processes.

Documentation and Quality:

- Prepare batch records, reports, standard operating procedures (SOPs), and presentations as required, and maintain proper documentation.
- Support compliance with the company's quality management, documentation, and established procedures.

Communication and Presentation:

- Present experimental findings clearly to team members and management.
- Interact with suppliers and contract testing facilities as necessary.
- Conduct literature searches to find information to address scientific challenges and stay updated on new developments in related areas and fields.
- Support the company's core values in fostering a culture of cooperation between teams and individuals.

**III. EDUCATION AND EXPERIENCE:**

- Master's Degree + 1-3 years industry experience or Ph.D. + 0-2 years industry experience
- Expertise in Chemical Engineering, Biomedical Engineering, Materials/Biomaterials Science, Polymer Science, or Pharmaceutical Science
- 4-5 total years of research and experimental design experience, either in academia or industry
- Strong practical knowledge of experimental design, polymer science, biomaterials, material processing, drug delivery concepts, or pharmaceutical formulation chemistry
- Practical knowledge and experience in a breadth of analytical tools, materials testing, prototyping/equipment, in vitro assays and in vivo models, and manufacturing;
- Laboratory safety training and experience including safe handling of chemicals, drugs, compressed gases, and biologics
- Demonstrated experience with material processing, material testing, and in vitro testing
- Working knowledge of quality systems
- Working knowledge of literature reviews

**IV. SKILLS AND CORE COMPETENCIES:**

Accountability:

- Demonstrates a high level of ownership and commitment to achieving results.
- Works both independently and as part of a team to meet team and project needs.

Communication:

- Listens, speaks, and writes clearly and concisely.

Critical Thinking:

- Able to break down a situation and organize parts of the problem systematically.
- Identifies cause and effect relationships to solve issues.

Planning and Initiative:

- Uses an effective system to determine priorities, set goals, and create a plan.
- Takes action, measures results, and thinks ahead for future needs and opportunities.
- Able to take direction from managers and team members to help with priority setting.

Self-Development:

- Recognizes own capabilities, seeks feedback, and responds positively to improve performance.

Collaboration and Teamwork:

- Works collaboratively with cross-functional teams to achieve project objectives.
- Shares knowledge and expertise.

Problem Solving:

- Takes a systematic approach to solving problems.
- Utilizes data and resources to identify root causes and develops hypotheses to solve problems.

**V. TO APPLY**

- Please submit resumes in confidence to careers@rippletherapeutics.com with "**RESEARCH SCIENTIST or ENGINEER, Drug Product Development**" in the subject line.
- Ripple Therapeutics welcomes and encourages applications from people with disabilities.
- Accommodations are available on request for candidates taking part in all aspects of the selection process.
- Compensation, including benefits and equity, is competitive and commensurate with experience.
- This is a great opportunity to work with engaged, committed, and dedicated colleagues in an innovative and progressive environment.
- We thank you for your interest. Only those candidates selected for interviews will be contacted.