



## **Position Posting: Associate Research Scientist/Engineer**

Ripple Therapeutics Corporation is a clinical stage, privately held company that is focused on ophthalmic therapeutics with controllable, sustainable drug delivery. The core feature of Ripple's Epidel™ technology is the ability to engineer sustained-release pharmaceuticals with zero-order release kinetics without the use of polymers or excipients. Ripple has a full product pipeline in development. [www.rippletherapeutics.com](http://www.rippletherapeutics.com)

### **Position Summary:**

The Associate Research Scientist/Engineer will support the development of Ripple's local, sustained drug delivery technology for targeted applications. The position will have a role in prototyping, characterization, and testing of novel molecular compounds in support of Ripple's drug delivery platform technology. The ability to problem solve, perform work in a well-organized and logical manner, and communicate effectively are attributes that will be critical to success in this position.

### **Essential Functions:**

- Perform a range of experiments in the laboratory to develop new prodrugs and formulations for target indication implant prototypes
- Characterize, interpret and document resulting data and problem solve challenges based on scientifically sound theory
- Conduct and evaluate organic chemical reactions for material synthesis and purification techniques with respect to product quality and reproducibility
- Develop and execute experiments to characterize new molecular compounds based on physical, chemical, thermal, and mechanical properties
- Develop test methods and standard operating procedures for new processing techniques and characterization
- Formulate candidate materials into drug delivery formulations and evaluate drug delivery properties
- Work on multiple projects of varying complexity in parallel
- Prepare reports, SOPs, and presentations as required, and maintain proper documentation
- Communicate project results to team members, managers, and management as required

### **Required Education and Work Experience:**

- Masters or PhD degree in Chemical Engineering, Chemistry, Material Science or Pharmaceutical Science
- 1-3 years research and experimental design experience, either in academia or industry

### **Required Skills and Competencies:**

- Strong practical experience in material processing (coating, particle formulation, extrusion etc)



- Strong practical experience with characterization techniques including NMR, HPLC, IR, DSC, XRD, microscopy (optical, SEM), particle size
- Strong practical experience with material synthesis and purification techniques
- Working knowledge of drug delivery concepts or pharmaceutical formulation chemistry
- Working knowledge of quality systems and regulatory guidance's (ICH/FDA/ISO)
- Working knowledge and experience with cell culture techniques, in vivo models and material biocompatibility testing would be an asset
- Strong problem solving ability and creativity while working in a well-organized and logical manner
- Strong collaboration and interpersonal skills, and communication skills
- Flexible, with an ability to multi-task and adhere to timelines

### **To Apply**

- Please submit resumes in confidence to [careers@rippletherapeutics.com](mailto:careers@rippletherapeutics.com) with "Associate Research Scientist/Engineer Role" 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.