

## **Title: Senior Formulation Scientist – San Diego**

Cellics Therapeutics is a clinical stage biotech company using the innovative Cellular Nanoparticle (CNP) technology platform to develop therapeutics and vaccines for hard-to-treat diseases with high unmet medical needs. The CNP technology creates cellular nanoparticles that can be used as therapeutic products themselves or as effective drug delivery vehicles for other drugs. The CNP technology has broad applications in many disease areas. Cellics is currently focusing on infectious and inflammatory/autoimmune diseases. If you would like to work on cutting-edge science and technology while achieving personal success, please consider joining the Cellics Team. We also offer competitive salary and benefits packages.

### **Position Summary**

Cellics Therapeutics is seeking a senior formulation scientist to work with the process development and manufacturing team to develop consistent and efficient manufacturing processes for the production of cellular nanoparticle-based therapeutics and delivery vehicles.

### **Essential Duties and Responsibilities**

- Lead the development of scalable and reproducible cellular nanoparticle-based formulation platforms to efficiently deliver both small molecules and biological molecules (such as nucleotides or proteins)
- Establish and drive close collaboration with external/commercial partners in development of new formulation technologies for drug delivery
- Design and conduct pre-formulation, formulation development and optimization to develop robust and scalable drug formulation processes, transfer the developed processes to commercialization partners
- Lead the design and execution of experiments to investigate the impact of formulation components on the product characteristics and product stability, optimize and scale up formulation process, and characterize product solubility, loading capacity, degradation, stability, and release profiles
- Work closely with analytical and process development team to ensure that key product requirements are identified and delivered, and define product and process specifications for existing and new product manufacturing processes
- Provide technical representation in cross functional teams for cellular nanoparticle-based formulation and processes, ensure strong teamwork and communication within the process development and manufacturing team as well as with project management, quality assurance, finance, and external collaborators
- Serve as the subject matter expert in cutting-edge technologies and platforms used in formulation development for delivering various of therapeutics
- Maintain good documentation, prepare and review product development reports, author relevant regulatory submission documents, such as pre-IND, IND, and BLA
- Perform all job-related duties in a safe, organized, and efficient manner to assure project requirement and deadline, guide and provides technical direction to junior members
- Following good laboratory practices, maintain a safe working environment, support the company culture of respect, open communication, collaboration, integration, and teamwork

## Qualifications

- Ph.D. degree in Biotechnology, Biomedical Engineering, Chemical Engineering, or related fields with at least 5 years' experience of formulation and product/process development for drug delivery
- Hands-on experience/knowledge of Design of Experiments (DOE), formulation development and scale up, drug delivery systems, tech transfer, and collaboration with both internal and external collaborators
- Strong experience of different nano-/micro-particle systems like polymeric, lipid nanoparticles-based formulations for drug delivery (such as small molecules, nucleotides, or proteins), including nanoparticle synthesis, optimization, characterization/analysis, stabilization techniques, and application testing
- Proficient in analytical methods and carrying out in vitro/in vivo assays with nano-/micro-particles-based formulations to evaluate solubility and stability of the drug, understand the mechanisms of degradation and stabilization of molecules, and assess the biocompatibility, toxicity, and efficacy of formulations
- Good understanding of novel formulations and process development, characterization and analytical techniques, current technology and market trends in drug delivery field, actively learn in the drug formulation and delivery field
- Strong written, verbal, and interpersonal communication skills to effectively interact with internal functional teams and external commercial partners
- Excellent organizational skills, goal-oriented and strong self-motivation, and capable of solving complex problems

**If interested, please email a copy of your CV to [hr@cellics.com](mailto:hr@cellics.com)**