



**LODO THERAPEUTICS**

**Lodo Therapeutics Corporation  
New York, NY**

**Scientist, Molecular/Synthetic Biologist**

Lodo Therapeutics is seeking an independent, flexible and high-energy Molecular Biologist with expertise in molecular engineering/ synthetic biology of bacterial and yeast systems to join our drug discovery team at our laboratories in the Alexandria Center, New York City. The incumbent, in collaboration with a fast-paced discovery team of chemists, bioinformaticians, structural biologists and biochemists, will develop and apply molecular biology techniques to drive the discovery, production and development of therapeutic secondary metabolites from the microbial metagenome.

**RESPONSIBILITIES:**

- Drive platform technology development projects in molecular and microbial engineering, including library generation, screening strategies, genome editing, biosynthetic gene cluster isolation and expression, and small molecule metabolite production
- Produce secondary metabolites in native or heterologous hosts from cloned biosynthetic gene clusters by synthetic biological engineering of the gene cluster and/or the host strain
- Maintain broad knowledge of state-of-the art technologies and current scientific literature in field
- Requires significant laboratory effort

**EDUCATION AND EXPERIENCE REQUIREMENTS:**

- Ph.D. in Genetics, Molecular Biology or related field
- 3+ years of academic and biopharmaceutical industry experience
- Extensive experience in molecular biology techniques including cosmid library construction, phage transduction, high-throughput multiplex cloning and metabolic pathway promoter refactoring
- Hands-on proficiency in next generation sequencing (NGS) technologies, NGS data analysis and functional genomics
- Self-motivated and passionate about your work
- Ability to navigate and be successful in a fast-paced, highly interactive and collaborative work environment

Lodo Therapeutics Corporation  
Reference Job Code: 16-001-link  
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