



Research Scientist – tRNA and mRNA biology

About Tevard:

Tevard Biosciences is pioneering mRNA-modulating therapies to cure a broad range of genetic diseases. The privately held biotechnology company was founded by MIT Professor and Whitehead Institute Founding Member Harvey Lodish, with life science entrepreneurs and executives Daniel Fischer and Warren Lammert, fathers of children with rare genetic diseases, and scientific co-founder Jeff Collier, a Bloomberg Distinguished Professor in the Department of Molecular Biology and Genetics at the Johns Hopkins University School of Medicine. Tevard is exploring the use of its novel Suppressor tRNA, Enhancer tRNA, and mRNA modulating platforms in neurological disorders, heart disease, and muscular dystrophies.

Position summary:

This position requires an innovative mindset, great attention to detail, and the ability to work collaboratively to solve difficult problems. The successful candidate will have an opportunity to positively impact patients with serious unmet medical needs while working closely with our world-class scientific team, including company co-founder Dr. Lodish. As an expert scientist in cellular neurobiology, you will be responsible for establishing cellular assays to demonstrate in vitro proof of concept for Tevard's tRNA therapeutic leads and characterize the cellular activity and downstream disease-relevant biology to help prioritize candidates for in vivo studies.

Key responsibilities for this position include:

- Establish in vitro disease models in relevant cell types including primary neurons and glia isolated from transgenic animal models and patient-derived iPSC lines
- Design, troubleshoot, and execute cell-based assays in human and rodent cell lines to characterize the efficacy and safety of Tevard's novel tRNA therapeutic leads
- Understand mechanism of action of lead candidates and establish assays and endpoints relevant to downstream target and disease biology
- Conduct literature searches; communicate understanding in internal forums and with external collaborators and partners

Minimum qualifications:

- BS/MS in Neurobiology, Molecular/Cellular Biology, physiology, or a related discipline



- Extensive hands-on experience with a variety of molecular, cellular and/or physiological techniques such as: isolating rodent neurons and establishing primary neuronal cultures, neurite outgrowth, qPCR, western blotting, microscopy, calcium imaging, synaptic imaging, multi-electrode arrays, human IPS/ES cell culture, etc)
- Prior experience using AAV/lentivirus in primary or iPSC-derived neurons is highly desirable
- Ability to master new concepts and technologies quickly
- Ability to run experiments independently
- Scientifically rigorous, highly organized, with excellent oral and written communication skills
- Ability to work independently as well as collaborate with colleagues and effectively prioritize and manage multiple tasks in a fluid, fast-paced work environment.

Title commensurate with level of experience.

Contact:

Interested candidates please send CV and cover letter to careers@tevard.com.

We are an equal employment opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, national origin, disability status, protected veteran status or any other characteristic protected by law.