Position summary:

Tevard Biosciences, an exciting company co-founded by renowned MIT molecular cell biologist Dr. Harvey Lodish and focused on developing novel tRNA therapies for rare diseases, is seeking a **Research Scientist, RNA biology,** based in Cambridge, MA. 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 RNA biology, 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:
- Design, troubleshoot, and execute RNA assays in both primary cells and cell lines to characterize the efficacy and safety of Tevard's novel tRNA therapeutic leads.
- Oversee all aspects of library production and data analysis for RNA-sequencing experiments.
- Work with *in vivo* team members to translate *in vitro* findings into relevant animal models.
- Characterize mechanisms linking mRNA stability, translation efficiency, and codon optimality.
- Demonstrate a mastery of relevant scientific literature and advances in the areas of tRNA and post-transcriptional mRNA regulation; Dravet syndrome and other disease indications of interest to Tevard, conduct literature searches; communicate understanding in internal forums and with external collaborators and partners.

Minimum qualifications:
- A Ph.D. in Molecular/Cellular Biology, Biochemistry, or a related discipline with a track record of relevant scientific publications in peer-reviewed journals.
- Applicants must possess a strong background in RNA-based therapies, mRNA translation & stability, ribosomal function, post-transcriptional regulation of gene expression, codon optimality, and/or tRNA biology.
- Expertise in the analysis of RNA-sequencing data is required. Prior experience with tRNA-seq, single-cell sequencing, and/or ribosome profiling/ribo-seq is highly desirable.
- Extensive hands-on experience with a variety of molecular, cellular and biochemical approaches, with an emphasis on RNA-based techniques: e.g., Northern analysis, metabolic labeling to quantify mRNA stability, *in situ* hybridization, etc. Familiarity with

cell or primary neuronal culture, droplet digital PCR (ddPCR) & qPCR platforms, and viral delivery protocols is preferred.
- Ability to work independently as well as collaborate with colleagues and effectively prioritize and manage multiple tasks in a fluid, fast-paced work environment.
- Ability to master new concepts and technologies quickly and run experiments independently.
- Scientifically rigorous, highly organized, with excellent oral and written communication skills.

Contact:

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