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 Coller, 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.

Job Title:

Computational Biologist - Bioinformatics and Machine Learning

Job Overview:

We are seeking a highly skilled bioinformatician with experience in mRNA biology, RNA sequencing (RNAseq), molecule modification and machine learning to join our team in a leadership role. The successful candidate will be responsible for leading data analysis projects related to large scale RNAseq based screens, mRNA design and protein engineering related discovery. Additionally, the candidate must be experienced in retrieving large-scale RNA datasets, RNA and protein folding technology. The ideal candidate will have extensive experience in computational biology, with a track record of success in handling large-scale datasets and the application of machine learning to biological problems.

Key Responsibilities:

Lead bioinformatics platform to analyze and interpret complex datasets related to large scale datasets

Retrieve public RNA datasets

Develop and implement computational pipelines for the analysis of high-throughput RNA, tRNA, other non-coding RNA and protein design

Work with other biologist to integrate computational analysis into experimental design and data interpretation

Stay up-to-date with emerging technologies and methodologies in bioinformatics and computational biology, and guide the team to develop best practices

Collaborate with other teams across the organization to support data-driven decision-making

Communicate findings and results to a wide range of stakeholders in written and oral presentations, including senior management

Qualifications:

A Ph.D. in Bioinformatics, Computational Biology, Applied Math, Physics or a related field.

Strong programming skills in languages such as R, Python, and Perl, and experience with database management

Experience with machine learning approaches and their application to biological problems, and familiarity with statistical modeling and data visualization
Preferred: RNA folding, protein folding, molecular docking experience
Excellent communication and interpersonal skills
Ability to work collaboratively in a fast-paced team environment

If you are a highly skilled computational scientist with experience in RNA design, protein folding, and machine learning, we encourage you to apply for this exciting opportunity.