



Associate Director, Bioinformatics and Machine Learning

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:

We are seeking a highly skilled bioinformatician with experience in mRNA biology, single-cell RNA sequencing (RNAseq), 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, CRISPR/Cas based screens and mRNA biology related discovery. Additionally, the candidate must be experienced in designing large-scale screens using different sequencing methods and CRISPR/Cas 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.

If you are a highly skilled bioinformatician with experience in large scale screens, or mRNA biology, or single-cell RNA sequencing (RNAseq), and machine learning, and have a track record of success in leading data analysis projects and teams, as well as expertise in designing large-scale screens using different sequencing methods and CRISPR/Cas technology, we encourage you to apply for this exciting leadership opportunity.

Key Responsibilities:

- Lead and manage a team of bioinformaticians to analyze and interpret complex datasets related to large scale screens, CRISPR/Cas based screens, and mRNA biology
- Design and implement large-scale screens using different sequencing methods and CRISPR/Cas technology
- Develop and implement computational pipelines for the analysis of high-throughput sequencing data, including single-cell RNAseq dataset



- Work with laboratory scientists to integrate bioinformatics 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

Preferred Qualifications:

- A Ph.D. in Bioinformatics, Computational Biology, or a related field, with at least 3 years of post-graduate experience
- Proven expertise in mRNA biology, or single-cell RNA sequencing (RNAseq), with a track record of success in handling and analyzing large-scale datasets
- 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: Expertise in designing and implementing large-scale screens using different sequencing methods and CRISPR/Cas technology
- Excellent communication and interpersonal skills, with experience leading teams and managing stakeholders
- Ability to work collaboratively in a fast-paced team environment, and to provide strategic direction to the team

Title will be commensurate with 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.