Scientist/Sr. Scientist – Machine Learning
Cambridge, MA

Company Summary:

VL56, Inc. is a privately-held biotechnology company that is pioneering Machine Generation™ of biotherapeutics. VL56 has developed a proprietary multi-product Therapeutics Generation Engine to create potent biologics in multiple therapeutic modalities.

VL56 was founded by Flagship Pioneering in the Flagship Labs innovation foundry. Flagship Pioneering creates, resources, and builds life sciences companies that invent breakthrough technologies in order to transform health care and sustainability. Flagship has created over 100 groundbreaking companies since 2000, including Moderna Therapeutics (NASDAQ: MRNA), Rubius Therapeutics (NASDAQ: RUBY), Indigo Agriculture, and Sana Biotechnology.

Position Summary:

We are seeking a creative, motivated Machine Learning Scientist with experience developing machine learning models to answer complex biological questions. The role will involve independently developing novel machine learning algorithms, implementing them as python code, and contributing to a growing codebase of such models. The successful candidate will support and work closely with other scientists, as well as the Flagship Pioneering team to rapidly advance the scientific program.

Responsibilities

- Lead design, development, and successful implementation of novel machine learning algorithms of protein and genetic sequencing data
- Manage and contribute to codebase
- Generate and contribute to IP
- Maintain scientific and technical expertise through familiarity with scientific literature, attending conferences, and developing relationships with thought leaders
- Work closely with an entrepreneurial, highly-collaborative, interdisciplinary team and actively contribute to creating, shaping and executing the scientific vision of the company
- Jump in and help with whatever is needed to get the job done: we are in this together!

Preferred Qualifications

- Ph.D. in computer science, statistics, computational biology, bioinformatics, or closely related field
- A record of publication in machine learning venues such as conferences and journals
- Expertise in python programming as evidenced by contributions to open-source projects on github
- Understanding of biology and have knowledge of genetic, protein, and molecular data
- Experience working with deep learning models, Gaussian processes, or other machine learning models of high-dimensional biological data
- Self-motivated and curious with strong desire to both learn from and teach others
- Outstanding communication and interpersonal skills