

## Scientist, Computational Biology

**Manifold Bio is a well-funded, VC-backed biotech startup with a mission to invent next-generation technologies to design drugs that will improve and save patient lives.** We are innovators in creating DNA and protein multiplexing technologies to engineer biological systems. Our team is highly collaborative and interdisciplinary. We are located in the Pagliuca Harvard Life Lab, a well-equipped modern lab space with a rich community of companies building cutting-edge technologies.

### Position

We are seeking an experienced computational biologist to join a creative, fast-paced, and collaborative team. We are building one of the fastest data creation engines in the industry, and are looking for someone who is excited to help turn insights from the last experiment into the design for the next one at a breathtaking pace. Working closely with the CSO and experimental team, you'll help design DNA libraries and derive insights from multiplexed experiment workflows. You'll contribute to advancing our multiplexed protein quantitation platform and the creation and iteration of novel protein therapeutic drugs. The ideal candidate will have deep technical expertise working with DNA sequence data and experience working with teams designing experiments at library-scale.

### Responsibilities

- Work closely with experimental teams to iteratively design experiments and interpret results
- Build NGS analysis pipelines and identify patterns in the mapping from sequence to function
- Design novel libraries of protein therapeutic designs to be experimentally tested
- Build out data processing infrastructure in a useable, scalable manner
- Lay the foundation for growing our computational biology and ML/Design teams over time

### Required Qualifications

- 5+ years of academic and/or industry experience working with biological sequence data
- Strong understanding of statistics fundamentals
- Expertise in statistical computing and willingness to adapt our python / jupyter / git / AWS stack
- Collaborative, curious, flexible, and strong communication skills
- A deep passion for science and developing new methods

### Why you might be a good fit

- Experience with screening-based methods with an NGS readout, e.g. DMS, MPRA, CRISPR screening, cancer screens, single cell sequencing
- Experience designing and assaying libraries of DNA, protein, gRNAs, promoter regions, etc. in multiplex
- Experience designing antibody or other therapeutic binder libraries
- Experience predicting structure and/or function directly from sequence data
- Experience working in the wet lab or directly with wet lab experimental scientists
- Experience applying machine learning to biological problems

**If you're excited to build a platform that combines these technologies, please reach out to [careers@manifold.bio](mailto:careers@manifold.bio).**

*We value different experiences and different ways of thinking and believe the most talented teams are built by bringing together people of diverse cultures, genders, and backgrounds.*