



## Research Associate: Cell Assays & Screening

**Manifold Bio is a biotechnology company aiming to revolutionize the development of protein therapeutics through multiplexed testing and design.** We have built a platform distinguished by a novel technology that brings multiplexed measurement to every step of protein engineering, including *in vivo* testing. This gives us an unmatched advantage in engineering precise targeting, critical to unlocking the potential of entire classes of drugs. Our team is highly collaborative and interdisciplinary. Our founders come from George Church's lab at Harvard Medical School and are innovators in leveraging DNA and protein multiplexing technologies to engineer biological systems. 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, but we are looking to move very soon!

### Position

**Manifold Bio is seeking an enthusiastic, creative Research Associate or Senior Research Associate to join our growing team in our mission of multiplexed, *in vivo* drug discovery.** The ideal candidate will have experience in molecular biology, mammalian cell culture and/or screening assays. In this role, you will contribute to advancing Manifold's ambitious drug discovery programs using high-throughput and multiplexed screening technologies including Manifold's proprietary protein barcoding technology. You will play an integral role in developing and executing cell-based assays to compare thousands of drug designs. As part of a small and nimble team, you will gain exposure to a wide variety of techniques and focus areas including protein production and purification, cell-free expression, library cloning, cancer cell biology, genetic selections, phage display, automation, etc.

You will work closely with a collaborative, interdisciplinary team of scientists to design, execute, and analyze complex experiments in a fast-paced environment. There will be many opportunities for creativity and innovation in this hands-on role as we push the boundaries of our platform's multiplexing technology in every step of the drug discovery process. Together, we'll build multiplexed protein quantitation technologies that [massively increase the throughput of testing protein therapeutic designs](#) and fundamentally change the current paradigm of drug development.

### Responsibilities

- Design and execute molecular biology and cell-based assays to compare and rank drug designs
- Work alongside team to develop and optimize new screening assays as needed
- Take ownership of routine cell line maintenance and tissue culture facility day-to-day operations
- Maintain accurate and detailed record of experimental work in electronic laboratory notebooks
- Maintain data integrity and effectively communicate findings to the team

### Required Qualifications

- B.A./B.S./M.S. degree in biology, biochemistry, bioengineering or similar with at least one year of full-time experimental biology wet lab experience
- Competence in mammalian cell culture and sterile technique
- Experience with biochemical and/or cell-based screening assays
- Previous work with basic molecular biology techniques (SDS-PAGE, western blot, ELISA, etc.)
- Collaborative, curious, and flexible, with strong communication skills



## Preferred Qualifications

- 2+ years of experience working full time in a lab setting
- Proficient in design and execution of cloning projects
- Previous work with high throughput screening or selections with DNA or protein libraries
- Experience with protein production, phage display, FACS, or T cell assays
- Previous work on drug projects for protein or cell-based therapies

## Why you might be a good fit

- Excellent record keeping and communication skills to facilitate complex experiments with multiple parties
- Highly organized and strong attention to detail enabling high-quality screening data
- Forethought, organization, and flexibility to meet deadlines in a fast-paced environment
- Enthusiasm for working closely with a tight-knit team on challenging problems in protein therapeutics
- Strong scientific curiosity and a desire to learn new techniques and protocols

**If you're excited to build a platform that combines DNA and protein multiplexing 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.*