



Scientist / Sr. Scientist: Protein Biochemistry

Manifold Bio is a biotechnology company aiming to revolutionize the development of protein therapeutics through multiplexed testing and design. We are building a platform distinguished by a novel technology that brings multiplexed measurement to every step of protein engineering, including *in vivo* testing. We recently raised a \$40 million Series A and we are expanding our interdisciplinary team. With this new round of funding, we will leverage our platform to generate an unprecedented amount of *in vivo* data allowing us to [precisely engineer drugs](#) with substantially less clinical risk. 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 and are moving into our own lab space in Fenway, Boston at the end of the year.

Position

Manifold Bio is seeking an enthusiastic, highly creative protein biochemist to lead bioconjugation projects on the Platform Team. The ideal candidate will have a strong background in biochemistry and a passion for driving technology development. This is a unique opportunity to work with a multidisciplinary team of molecular biologists, biochemists and computational biologists on a mission to create a differentiated multiplexed protein tracking technology. You will lead the development, validation and execution of both the current and future protein conjugation strategies. You will also work with the internal drug development team as well as collaborators to deploy Manifold's proprietary protein barcoding technology for *in vitro* and *in vivo* drug development efforts. Together, we'll continue to build a transformational company to realize our vision of fundamentally changing the current paradigm of drug development through [massively increasing the throughput of testing of protein therapeutic designs](#).

Responsibilities

- Independently design, troubleshoot and develop protein bioconjugation strategies
- Lead the preparation, characterization and functional testing of protein conjugates and ensure timely delivery of reagents to internal stakeholders and potential collaborators
- Contribute to the advancement of our multiplexed measurements technology
- Interface with internal antibody discovery efforts to facilitate multiplexed screening projects
- Maintain data integrity and effectively communicate findings orally and in writing to a multidisciplinary team
- Stay up to speed on cutting edge research and industry standards for protein therapeutics

Required Qualifications

- PhD in Chemistry, Biochemistry, Chemical Biology, Bioengineering or similar;
- Demonstrated knowledge of various techniques and troubleshooting abilities related to protein labeling (site-specific, lysine, chemical and enzymatic, etc)
- Strong hands on expertise in molecular cloning, protein production, purification and modification
- Expertise with a range of analytical methods in protein biochemistry
- Proven track record of solving difficult scientific problems and a desire to learn and tackle new challenges
- Courageous, attention to details and data-driven, with a genuine passion for innovative science and developing medicines

Preferred Qualifications

- Experience with antibody constructs, single-domain antibodies, or similar
- Experience leading cross-functional teams
- Experience with structural biology



ManifoldBio

Pagliuca Harvard Life Lab, 127 Western Ave., Boston, MA
<https://manifold.bio> | careers@manifold.bio

Why you might be a good fit

- Ability to work independently, as part of a wider team
- Interest in working with a multidisciplinary team and willingness to brainstorm in topics outside of your expertise
- Strong oral and written communication to facilitate complex experiments with multiple parties

If you're excited to build a platform that combines DNA and protein multiplexing technologies, please reach out to 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.