

Scientist/Senior Scientist, Multiplexed *in vivo*/*ex vivo* Pharmacology

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 enthusiastic scientist to push the capabilities of *in vivo* drug discovery. In this role, you will collaborate on assaying complex libraries of therapeutics across diverse animal models of disease. You will play a critical role advancing our platform's capability to track multiple drugs in mixture across tissue and cell types. This is a hands-on role and you should have extensive experience processing and analyzing *ex vivo* tissues and cells. In this role, you will design experiments end-to-end, coordinate with teams both internally and externally, and develop novel ways to process tissue that enable optimal drug library quantitation using Manifold's protein barcoding technology. We are a company founded on the idea of using our multiplexing platform as a discovery engine *in vivo*, and this role will provide many opportunities for design and innovation alongside our creative and collaborative team. 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

- Independently design, plan and execute *in vivo* experiments and conduct *ex vivo* analyses
- Develop novel assays that leverage our multiplexing technology
- Perform appropriate *in vitro* work to support *in vivo* or *ex vivo* goals
- Develop fit-for-purpose bioanalytical methods to address questions related to matrix stability, PK/PD and biodistribution.
- Coordinate among team members and external CROs/collaborators
- Maintain data integrity and effectively communicate findings to the team

Required Qualifications

- PhD or equivalent experience in the field of biology
- Experience going end-to-end from *in vivo* experimental design through tissue/cell processing and analysis
- Collaborative, curious, flexible, and strong communication skills
- A deep passion for science and method development

Why you might be a good fit

- Experience developing novel bioanalytical or PK/PD assays *in vitro*, *ex vivo* or *in vivo*
- Experience screening libraries *in vivo*
- Experience in understanding biodistribution *in vivo*
- Experience processing tissue for single cell analyses
- Experience with cell sorting or flow cytometry

If you're excited to build a platform that combines these 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.