# Senior Process Development Scientist

## (Full Time Position)

**About Multiply Labs**

At Multiply Labs, our mission is to be the gold standard technology for the manufacturing of cell therapies and next-gen drugs. We develop advanced, cloud-controlled robotic systems that enable the production of individualized drugs at scale. Plus, our customers include some of the largest global organizations in the advanced pharmaceutical manufacturing space. Our expertise is at the intersection of robotics and biopharma – the team includes mechanical engineers, electrical engineers, computer scientists, software engineers and pharmaceutical scientists. The founding team got in touch because of their shared love of robots at MIT. We are a startup based in San Francisco, California, backed by top-tier tech and life science investors, including Casdin Capital, Lux Capital, Y Combinator, and more. To learn more and to view a video of our robots in action, visit us at: www.multiplylabs.com

**Overview**

Multiply Labs is seeking a biologist with experience in human immunology, who will join our team as Senior Process Development Scientist to lead our process and technology transfer group. This team is tasked with overseeing the automation of next-gen cell therapy manufacturing processes. We automate cell therapy manufacturing by leveraging the unique features of Multiply Labs' robotic systems, which are compatible with the instruments, consumables and reagents that are already used in cGMP-grade cell therapy manufacturing (both clinical and commercial). This enables the process and technology transfer team to automate a pre-existing cell therapy process without substantially modifying it.

As a Senior Scientist at Multiply Labs, you will develop, oversee and refine our technology transfer protocol, which consists in converting an existing (manual) cell therapy manufacturing process into an equivalent automated process. The two approaches (manual and automated) are then tested side-by-side, proving that the robotic process is statistically equivalent to the manual one (see this recent peer-reviewed paper for a sample

of our work). This work, at the intersection of advanced bioprocess development and cutting-edge robotics, will be applied to industry-leading cell therapy manufacturing process at all levels of clinical advancement (from pre-clinical, to clinical, to commercial products).

In your role as Senior Scientist, you will supervise the work of the members of our process development and manufacturing team. You will also work closely with our clinical collaborators (e.g. our partners at the Stanford LCGM), QA team, regulatory team, and a wide range of customers and vendors to ensure that their processes are seamlessly and efficiently automated by applying our robotic technology.

Along with our QA group, you will be responsible for ensuring the engineering and process development teams are fully trained and proficient in standard operating procedures (SOPs) related to cGMP manufacturing. You will also oversee and schedule the daily activities of the process development team, which may include assigning experiments, data analysis, and lab maintenance tasks to scientists and engineers on the team. Your role of Senior Scientist will include writing and reviewing review SOPs, training checklists, qualification plans, study reports, and other as needed FDA-related documentation. You will coordinate with our QA and software teams to ensure that all digital records for manufacturing are maintained according to FDA guidelines, and that all post-release assays are completed and fully documented.

As the Multiply Labs' engineering team develops new automated technologies for the manufacturing of cell therapies (and of other advanced drugs), you will assist in developing and evaluating new procedures and protocols, including experimental design and execution, to be used in the design and testing of future robotic systems.

**Required Qualifications**

- Advanced degree (MA/MS or PhD) in immunology or a related field; and/or 10+ years of equivalent experience/training.
- 5+ years of experience in an experimental biology laboratory.
- 3+ of experience in a Good Manufacturing Practices (GMP) facility.
- 3+ of experience in GMP documentation.
- Understanding of basic GMP requirements in drug manufacturing.
- Experience with blood processing.
- Experience with T cell isolation and manipulation.
- Experience with cellular therapy or biologic drug development.
- Aseptic technique w/ respect to cell culture experience.
- Adept in Microsoft Office and Google Workspace Suite.
- Excellent verbal/written communication.

- Flexibility in the face of changing priorities and schedules.
- Organizational skills, time management, administrative, and data recording skills.
- Ability to prioritize tasks, multi-task, and coordinate work tasks with others and meet multiple deadlines.

**Preferred Qualifications**

- PhD degree in immunology or related field.
- Experience operating and programming lab automation equipment (such as automatic liquid handlers, etc.).
- Strong track record of peer-reviewed scientific publications.
- Experience in next-generation drug manufacturing beyond cell therapy (e.g. antibodies, ADCs, mRNA, gene therapies, viral vectors, etc.).

Screening of applicants will begin immediately and will continue as needed throughout the recruitment period. Salary and rank will be commensurate with the applicants experience and training.

**Please apply online at [https://multiplylabs.com/about/careers/](https://multiplylabs.com/about/careers/)**