Xcell Biosciences is a San Francisco-based research products and diagnostics company that has developed an innovative platform for capturing and growing tumor cells directly from patient blood. By rapidly growing and expanding this rare cancer cell population, the company has addressed the key sample size limitations affecting liquid biopsies. Xcell Biosciences’ technology gives researchers the ability to capture the comprehensive set of genetic information for each patient’s cancer, grown under conditions that mimic the tumor environment, and track changes to that dataset over time all from a small blood sample. Focused on improving the treatment of cancer patients, Xcell Biosciences is developing their technology platform as a high content liquid biopsy tool for cancer research and clinical use, giving scientists the ability to interrogate these cells ex vivo and monitor real-time changes to a patient’s disease. To further these goals, Xcell is seeking a Director of Product Engineering to support the Avatar™ primary cell culture system and develop our next-generation of products.

Objectives
- To support current product refinement and prototype new product features as part of a funded and fast-growing biotechnology start-up

Responsibilities
- Provide technical thought-leadership on instrument design, feature set functionality, system architecture, and component choice
- Guide design development for adjustments to current products and de novo development of next generation products
- Select and collaborate with outside service providers involved in the design, engineering, and manufacture of instruments
- Support customers on-site with instrument maintenance and troubleshooting
- Manage the set of tools and equipment needed to make adjustments to the instruments, as well as managing the inventory needed in-house to fix equipment

Typical activities
- Design of new product features and adjustments to current product design in CAD
- Prototyping new designs or product adjustments in-house or through contract machine shops / 3D printing facilities
- Provide technical guidance during meetings with contract manufacturers and designers

Skills/technical expertise
- Masters or Bachelor’s degree in Mechanical Engineering or other related field with emphasis on CAD design and prototyping
- 5+ years of experience in product engineering directly involved in the development of new hardware for the life sciences and/or biotechnology industry
- Hands-on experience designing, building, and testing new product prototypes
- Experience troubleshooting mechanical and electrical systems
- Experience managing and interfacing with manufacturers, machine shops, vendors, etc.
- Proficient oral and written communication skills

Personal characteristics
- Highly motivated self-starter who can prioritize and take ownership of tasks
- Excited to be “hands-on” in solving product problems
- Must be comfortable in a rapidly growing and evolving start-up environment
- Please note if you are legally authorized to work in the United States in your application

To apply, please send a CV and cover letter to careers@xcellbio.com