

MECHANICAL ENGINEER

XCELL BIOSCIENCES, INC

MISSION BAY, SAN FRANCISCO, CA

Xcell Biosciences is a San Francisco-based life science start-up company that has developed a proprietary cell control system for use in research, drug development, and regenerative medicine applications. The technology delivers simple, standardized methods in control of tumor cells and immune cells. This novel platform enables direct disease insights and control of microenvironment ex vivo, with use in drug development applications ranging from novel cancer biomarker discovery to cell-based immunotherapy lead optimization. The company is focused on tools to improve primary cell expansion, transfection and control of cell state, and is generating revenue from the Avatar system launched in 2017.

Brief Description of Position:

We are looking for a mechanical engineer for new product design and service support for a novel biotech laboratory research instrument. An ideal candidate will have experience designing gas-controlled bioreactors, temperature control systems, plumbing for gas composition control, and basic electronics. The candidate should have experience troubleshooting instruments, and be able to travel to beta customer sites if necessary. Finally, they should have experience interfacing with contract manufacturers, including the creation and management of manufacturing documentation.

Key Responsibilities:

- Works with and supports senior engineers and consultants to provide hands-on mechanical engineering for new product instrument design, feature set functionality, system architecture, and component choice
- Works with Sales and Ops to provide engineering adjustments to current products as needed
- Evaluates vendors for fabricated parts, and selecting purchased components to meet design goals
- Design of new product features and adjustments to current product design in CAD
- Prototyping new product designs in-house or through contract machine shops / 3D printing facilities
- Provide technical guidance during meetings with contract manufacturers and designers
- Supports R&D and customer-facing teams with on-site with instrument maintenance and troubleshooting, and works with Ops to create troubleshooting, service, and repair documentation
- Some business travel required

Education, Experience, and Skill Requirements:

- Masters or Bachelor's in Mechanical Engineering or related field with emphasis on CAD design and prototyping
- 3-6 years of experience working in a company that designs and/or manufactures lab measurement or test equipment. Preference for biotech, bio-chemistry, or chemical engineering equipment
- At least 2 years of experience in mechanical design; can demonstrate proficiency in Solidworks to design parts and create engineering drawings
- Experienced working with Operations, field support engineering or other service / troubleshooting teams
- Can demonstrate ability to write engineering and manufacturing documentation. Can demonstrate ability to document experimental test reports

Other Desirable Characteristics and Attributes:

- 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 resume and cover letter to careers@xcellbio.com