

Lead Mechanical Engineer

R&D

Laxmi Therapeutic Devices – Goleta, CA



Job Description:

Laxmi Therapeutic Devices is changing the world, applying cutting edge advances in sensing, microfabrication and electronics to create the next generation of wearable diagnostic devices. We are connecting and empowering consumers, healthcare professionals and treatment providers with personalized medicine. Our versatile product platform enables rapid, inexpensive and dependable screening of important analytes, with the focus of glucose sensing being our first product.

The primary duties of this Lead Mechanical Engineering position are to design, build, and test medical devices, as well as tooling and test fixtures for the development and/or manufacture of medical device(s) under limited supervision. It will also be the responsibility of the engineering lead to spend a subset of their time managing a small team of junior engineers.

Responsibilities will include working with a cross-disciplinary team to design, fabricate and implement devices and systems in line with company goals. Additionally, organization and prioritization of deliverables with clearly communicated responsibilities to team members and involvement in project planning will also be responsibilities in this position.

The right person for this position will also be able to coach, train, and direct a staff of engineers in setting and then working towards departmental and/or company objectives in a timely and cost-effective manner. This position will also be representing Mechanical Engineering in higher level and/or cross-functional team meetings and may be tasked with advising management.

This position supports the future growth of the company as we seek to commercialize a cutting-edge new device that will significantly improve quality of life for our customers.

Core Job Responsibilities:

- Develop Technical Designs in keeping with system requirements and business goals in collaboration with Chemistry, Electrical, and Manufacturing teams.
- Take the initiative to identify mechanical needs at the individual and team level and work with others to fill those needs.
- Write technical reports for characterization, qualification, verification, or other testing ensure high confidence systems.
- Present work in technical design review meetings for critical deliverables
- Manage assigned deliverables and priorities of projects to achieve project milestones and business objectives
- Supervise and provide technical leadership in all aspects of mechanical related product research and development, including but not limited to mechanical design, wearable device design, applicator design, and packaging design.
- Lead, coach, and train less experienced engineers in engineering/commercialization, communication across the company, and teamwork

- Engage in and help drive conceptual idea generation and intellectual property development
- Designing, fabricating, and testing of medical devices and/or for the operation of tooling or test fixtures for the product development of a medical device in collaboration with cross-functional teams
- Other duties as assigned

Qualifications:

- BS or higher in Mechanical Engineering and/or related disciplines
- 5 – 10+ years' experience in industry
- CAD proficiency required; SolidWorks proficiency preferred
- Ability to communicate complexity in a simple and straightforward way
- Experience in commercialization of advanced technology preferred
- Medical device experience preferred (automotive, aerospace, or other regulated industry okay)
- Small-part, high-volume product design experience with high proficiency in Design for Manufacturability preferred
- Manufacturing tooling design for small-scale products experience with significant product design knowledge
- Familiarity with manufacturing processes and capabilities
- Ability to lead and train less experienced engineers in geometric dimensioning and tolerancing (GD&T)
- Knowledge of ISO13485/FDA 21 CFR Part 820 Quality Systems, and FDA requirements is highly desired, but not required

Job Type: Full-time