

Senior 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 Senior 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 general supervision.

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.

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.
- Identify mechanical needs at the individual, team, and even company level and provide project plans to fill those needs.
- Write and/or review technical protocols and reports for characterization, qualification, verification, or other testing to ensure high confidence systems.
- Present work to cross functional teams in technical design review meetings for critical deliverables
- Project management duties, including allocation of departmental resources, in collaboration with all departments and company leadership to achieve business goals and timelines.
- Collaborate with cross-functional stakeholders to develop requirements for new product development, electro-mechanical test systems, and test fixtures.
- Technical Mechanical Engineering related product research and development, including but not limited to mechanical design, wearable device design, applicator design, and packaging design.
- Coach and train less experienced engineers/interns in engineering/commercialization, communication across the company, and teamwork
- Engage in 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
- 3 – 6+ 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
- Knowledge of ISO13485/FDA 21 CFR Part 820 Quality Systems, and FDA requirements is highly desired, but not required

Job Type: Full-time