



JOB TITLE:	Principal Engineer
REPORTS TO:	CTO

Unique opportunity for a Principal Engineer to join an award-winning, Dublin based, medical device company developing a platform technology in the lung cancer space. The Principal Engineer will be responsible for leading, developing and delivering innovative technology solutions in alignment with the Product Delivery strategic direction and operational priorities. He/She will pioneer the Selio Sealant System development with a deep understanding of fundamental science and engineering principles. The Principal Engineer will direct and lead device design and testing of Selio Medical's product platform. The design tasks will be of a complex technical nature requiring investigation of new technologies, materials, formulation and application of advanced engineering design principles and practices.

What you will do

- Responsible for the materials (chemistry, formulation and properties development) and mechanical technical/engineering aspects of a major design and development project.
- Identify and develop physiologically representative models to support product design and understanding.
- Documenting, recording and presenting technical rationale and evidence to support model and product development.
- Clinical validation of models, design and scientific understanding.
- Technical guidance and mentor to team of Engineers.
- Subject matter expert on design and performance requirements.
- Define new and existing mechanical engineering design requirements and develop specifications in accordance with manufacturing, marketing, and customer expectations and requirements.
- Evaluate systems and products by designing and conducting research programs; applying principles of mechanics, thermodynamics, fluid dynamics, and materials.
- Prepare product reports by collecting, analyzing, and summarizing information and trends.
- Communicate key information and recommendations to influence technical decisions and strategy
- Generate and leverage existing and new intellectual property for new therapy and/or clinical use
- Create and communicate project plans, tasks and deliverables and manage timelines to meet project deadlines. This includes reporting pertinent information at key milestones through clear, concise oral and written communications. Provide engineering information by answering questions and requests.
- Apply engineering/technical knowledge and knowledge of medical device industry to assist company in developing strategic plan for development of new products and enhancements to existing products.
- Lead by example in complying with the policies, procedures and work instructions of Selio Medical.
- Any additional duties upon the request of the supervisor or management.

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What you need

- A minimum of a Bachelor's Degree in Life Sciences or Engineering discipline combined with 5+ years product development (medical device preferred).
- Higher level technical qualification (MSc, PhD) in medical device technology is preferred.
- Demonstrated design and development skills and experience, from conceptual design through to process development knowledge with design for manufacture perspective.
- Competent in technical writing for a range of audience to communicate at a technical level and to translate to regulatory documentation.
- Start-up company experience preferred.
- Fundamentals of medical device regulatory requirements relevant to design and development activities.
- Ability to effectively communicate and collaborate with all levels of the Selio Medical organization and representatives of various functional areas within the company. Strong teamwork/collaborative competencies.
- Ability to build positive working relationships, both internally and externally.

Benefits

- Opportunity to bring a new medical device to market to benefit patients, clinicians and healthcare systems.
- Competitive salary with bonus and significant opportunity to partake in company share-options scheme.
- Working within a high-performance team and Board with many years' experience in both start-up and multinational environment making a great career development opportunity.
- Travel opportunities.
- Exposure to international clinical key opinion leaders and clinical sites.
- Interaction with large medical device network.

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