Job Description – Senior Research and Development Engineer

JOB TITLE:	Senior Research and Development Engineer
REPORTS TO:	CTO

Role

Unique opportunity for a Senior Research and Development Engineer to join an innovative start-up medical device company based in the Guinness Enterprise Centre, Dublin's largest innovation and enterprise hub.

A minimum of five years' experience in the design, development, evaluation and manufacture of medical devices is required.

The successful candidate will have excellent problem-solving capabilities and must possess a good knowledge of materials, design, manufacturing and process technologies.

The role will involve working with a cross functional team to develop a novel medical device solution and ensure end user, design control and regulatory requirements are met during the process. The candidate will report to the CTO and work across all stages of device development. This includes prototyping, feasibility, test method development, manufacture, clinical investigation and commercialisation. Candidate must be a self starter, proactive and have a positive attitude, a hands-on approach to projects, a strong work ethic, an ability to work both on their own as well as in a cross functional team in a dynamic entrepreneurial environment.

POSITION RESPONSIBILITIES / ESSENTIAL FUNCTIONS

- Design, development, testing, and manufacture of novel medical device product.
- Lead test method development and validation.
- Identify and develop innovative design and process solutions to meet the complex clinical needs associated with medical procedures.
- Develop detailed project plans for assigned product responsibilities to include design, development, design control, quality and regulatory requirements.
- Lead risk management activity for assigned product development area.
- Proven ability to compile and mange technical reviews.
- Proficient in technical writing and in the development and writing of test protocols and reports.
- Lead the design transfer of products from development stage to manufacture.
- Proven ability to compile complex data, analyse and distil to deliver clear concise recommendations to drive device design.
- Create, communicate and execute research programs and project plans to meet project deadlines.
- Formulate new, innovative approaches to solve technical problems.
- Communicate key information and recommendations to influence technical decisions and strategy.
- Engage in a continuous program of learning to broaden knowledge in technical expertise.
- Any additional duties upon the request of the supervisor or management.

POSITIONAL COMPETENCIES

- Demonstrated understanding of materials and materials science.
- Excellent understanding of the fundamentals of medical device regulatory requirements related to design and development activities.
- Proficient on the use of Solidworks models, drawings and assemblies.
- Expert in one or more engineering/analytical and related software tools excel, matlab, Microsoft
- Experience in development of medical devices and/or biodegradable implants would be preferable.
- Ability to effectively communicate and collaborate with all levels of the company.
- Ability to build positive working relationships, both internally and externally.
- Ability to travel up to 10% of the time.

QUALIFICATIONS AND EXPERIENCE

- A minimum of a Bachelor's Degree in Life Sciences or Engineering discipline combined with 5+ years medical device product development / manufacturing experience.
- Higher level qualification (MSc, PhD) in medical device technology an advantage but not essential.
- Demonstrated design and development skills
- Demonstrated experience in design transfer from R&D to manufacture.
- Demonstrated experience in the design verification and validation process.
- Demonstrated experience in regulatory preclinical and clinical trials process.
- Competence in technical writing

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 with many years' experience in both start-up and multinational environment making a great career development opportunity. World class board with numerous successful medical device exits.
- Travel opportunities.
- Exposure to international clinical key opinion leaders and clinical sites.
- Interaction with large medical device network.