

Director of Mechanical Engineering

Position Description

The Director of Mechanical Engineering will be responsible for design, IP disclosure, specification, and testing of the Immune System Pacemaker mechanical system and components. Working directly for the V.P. of Engineering the selected candidate will manage the mechanical team of consultants, skilled engineers, technicians, and assemblers to build components. Component designs will include leads, extenders, surgical tools, hermetic packages and header assemblies. The candidate will be involved in all phases of specification, design input, testing, preclinical, and clinical testing. Once feasibility tests are complete, the Director will work with project management and leaders inside and outside the company to define the product and help a mechanical team to execute the design. The Director will maintain a focus on manufacturability, quality, intellectual property, and regulatory aspects while maintaining the highest engineering standards during execution of the design.

Position Responsibilities

- Understand the applied science of the Cholinergic Inflammatory Pathway to create a foundation from which to create products to modulate the immune system.
- Interact closely with marketing, scientists, and clinicians in order to effectively integrate concepts into products and evaluate product concepts.
- Write requirements and execute and test mechanical components designs for feasibility and product designs while following operational procedures.
- Work with physicians, scientists, and professionals within the company to generate these requirements.
- Create designs and intellectual property to address the requirements and protect the field of use.
- Design, write protocols, conduct and report preclinical research studies to answer product development questions, validate designs, and fulfill regulatory requirements.
- Provide technical and educational support to Product Development, Marketing, Clinical, Regulatory, Operations, and Sales.
- Work with vendors to maximize our speed of execution and operational efficiency.
- Remain current with technology.

Qualifications

- The highest of ethical standards
- BSME or equivalent at a minimum.
- 10 years of design of Class III active Implantable devices, specifically leads and hermetic packages that have reached commercialization.
- Experience designing cardiovascular and neurostimulation leads.
- Proven record of building a team and leading a highly technical team of engineers.
- Track Record in developing Patents.
- Experience testing designs in animals and humans.
- Experience managing products from conception to successful transition into manufacturing.
- Ability to lead peers and influence senior staff required, as are written/verbal communication and presentation skills and the ability to interact with people at all levels