Job Opening

Title: (Senior) Engineer, Frame Scaffold Design

Reports to: Manager/Director, R&D

About CardiacBooster:

CardiacBooster is a medical device company developing a new and innovative device to support the heart. Heart support devices are used by interventional cardiologists to stabilize patients in times of cardiogenic shock and acute heart failure. We are an enthusiastic team with diverse backgrounds and expertise, located in Galway, Ireland, and Nijmegen, Netherlands. CardiacBooster is an equal opportunity employer.

Job Description:

The (Senior) Engineer, Scaffold Design, will be an experienced medical device engineer with intimate knowledge of medical device development for interventional cardiology. The key responsibility will be the development of the catheter's expandable scaffold. The (Senior) Engineer, Scaffold Design, will be responsible for the component design, development of the respective internal and external manufacturing processes, as well as the selection and management of relevant suppliers. The (Senior) Engineer, Scaffold Design, will work closely with his/her counterparts responsible for catheter development and device characterization. He/She will share the responsibility of realizing the CardiacBooster's full potential.

The successful candidate will have entrepreneurial spirit, the required persistence to succeed in a start-up environment, and the ability to work in a self-directed manner with minimal direction and supervision. He/She will have hands-on knowledge and experience in the development of cardiovascular devices. The (Senior) Engineer, Scaffold Design, will be a team player and have excellent communication skills as well as in-depth industry knowledge. The successful candidate will have a minimum of five years of medical device development experience, and have either a Master's Degree or primary in a relevant engineering discipline such as mechanical or biomedical engineering, or equivalent experience. The (Senior) Engineer, Scaffold Design will work from the company's office in the Netherlands or Ireland, and be able to travel occasionally.

Essential Job Responsibilities:

- Design of the expandable scaffold of the company's interventional cardiology device to meet mechanical, functional and durability requirements.
- Develop manufacturing and testing processes and protocols.
- Anticipate risks and challenges; proactively ensure availability of adequate mitigation plans
- Ensure adequate IP generation to protect novel developments and findings
- Manage relationships with third party development and manufacturing vendors

Required Qualifications & Characteristics:

- Self-directed engineer with entrepreneurial drive
- Have an established vendor network for this field of device type
- Be experienced in:
    - Nitinol component design and processing
    - Fatigue test methods and protocol development
    - FEA analysis of mechanical & fatigue performance
    - The development of cardiovascular devices
- Have intimate understanding of interventional cardiology device requirements
- Excellent communication skills in English and preferably one other European language

- Master's or primary degree in a relevant engineering discipline, or equivalent experience

Additional Desirable Experience or Qualifications in:

- Composite Polymer Nitinol structure/assemblies
- Use of statistical analysis techniques & DOE
- Medical device development in compliance to ISO 13485
- Competency in Solidworks or equivalent 3D CAD system

Applications:

- Please submit your application, including resume, to hr@cardiacbooster.com