Job Description – Graduate Engineer

We are seeking to expand our engineering department to work on software and hardware development for current and new medical device products that combine neuromodulation, wireless communications and physiological sensing technologies and to support ongoing product design validation and production process validation activities.

We provide our engineers with a dynamic working environment and opportunities to work on a variety of commercial and research projects as part of a small, motivated, cross-functional team. The successful candidate will gain exposure to a range of technologies at the forefront of biomedical research and every phase of the product development lifecycle from initial concept work through to commercial release.

Key responsibilities

- Work closely with project Lead and Product Development team to develop, build and test next generation medical devices.
- Support product development from concept generation through to post-production.
- Support design and technology transfer from product development to manufacturing by proactively working with stakeholders from manufacturing and quality.
- Provide support to Manufacturing to facilitate efficient operations within the production area, to optimise existing processes and to ensure that production goals are met.
- Oversee the analysis of hardware failures from the field and participate in associated corrective and preventive actions.
- Work closely with the Product Development Team to design, develop, build and test current and next generation medical devices.
- Participation in the drafting of test protocols may be required, in addition to documenting test results and generating test reports. Testing may include mechanical, electrical, performance, user interface / usability and software.
- Perform necessary design activities through utilization of 3D and 2D CAD software.
- Analyse and solve problems from basic engineering principles, theories and concepts through to a wide range of complex and advanced problems.
- Report writing and preparing presentations to communicate findings.

Qualifications / Skills / Attributes:

- Degree in Biomedical Engineering, Mechanical Engineering or similar discipline**.**
- Experience with embedded C and C++ and embedded fundamentals.
- Experience with Microcontrollers and popular interfaces such as Bluetooth, UART etc.
- Proficient in using Solid Works, Altium or equivalent 3D CAD design package.
- PC Literate (word processing, spreadsheets, data base) and a good knowledge of project Management tools.
- A good understanding of ISO 13485 and FDA design and development processes.
- A team player with excellent interpersonal and communications skills, with the ability to solve problems ad-hoc.
- Experience in the development of test methods and associated product testing.
- Excellent analytical skills, ability to plan, organise and implement multiple concurrent tasks.
- Ability to present ideas and concepts clearly and effectively to all levels of the company.
- Excellent planning and coordination skills and capable of initiating and leading change.

For further information please contact Aoife McNally aoife.mcnally@neuromoddevices.com