



Senior Research and Development Engineer

About Perfuzze

Perfuzze is a growth stage medical device company, based in Galway, dedicated to improving the quality of life for stroke patients. Perfuzze is developing innovative catheter-based technology to extract blood clots from the brain following an Acute Ischemic Stroke. We are located in the IDA Business Park in Dangan, Galway. Millipede technology has been recognised by the FDA through the granting of a Breakthrough Device Designation. At Perfuzze, we push the limits of what medical technology can do to help restore health and extend life. Our mission is to halve the number of patients who suffer disability post stroke treatment. We want to accelerate and advance our ability to create significant innovations, but we will only succeed with the right people on our team.

Our Culture

- An inclusive work environment, where all the employees are valued, supported and encouraged
- All employees have a seat at the table and have influence
- A collaborative teamwork environment where learning is constant, and performance is rewarded
- The opportunity to be at the forefront of a technology that can positively impact the treatment of one of the world's most devastating diseases

Senior R&D Engineer role

As a Senior R&D Engineer you will be a key member of the engineering team working within a multidisciplinary framework. This role will be involved in technology advancement projects including but not limited to exploring and investigating new device concepts and validating new technology, processes and methods. The primary product and technology categories supported will be for intracranial large bore aspiration catheters, micro catheters, balloon guide catheters and guide wires.

- Design, build and document development of novel neurovascular catheter-based technology
- Design fixtures and models for proof-of-concept, and verification and validation testing
- Develop, manage and conduct tests to verify and validate new product designs
- Prepare project plans, specifications, and schedules for product development
- Identify and interact with vendors to obtain engineering materials, processes, and equipment
- Contribute to company Intellectual Property
- Evaluate patents for specific technology areas and participate in patent filings
- Develop and improve manufacturing processes for pilot production

How You'll Contribute

- Demonstrated ability to rapidly prototype product and fixture concepts in-house - using standard catheter building equipment and techniques such as 3D printing
- Modelling and analysis of mechanical systems using SolidWorks or similar
- Experience of working with medical device polymers
- Strong aptitude for design verification and validation test method development and implementation

- Excellent verbal and written communication skills with the ability to communicate clearly to others in different functions and at various levels
- Must enjoy contributing to and participating in a dynamic team environment
- Commit to ongoing personal development to improve technical and non-technical skillsets
- Stay current with general engineering knowledge related to catheter design and prototyping techniques
- Drive projects and new technology development based on your previous experience of the phases of medical device development from concept to regulatory approval

Must Have:

- Degree in engineering
- Minimum of 5 years' experience in the medical device industry
- Experience in verification and validation testing to support medical device regulatory submissions
- A hands-on mindset

If interested, please submit your CV and a note outlining why you're the right person for the role to hr@perfuze.com