

## Job Specification

**Title:** R&D Technician

**Reports to:** 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 R&D Technician will be part of the team responsible for the in-house verification and validation of CardiacBooster's pVAD device. They will have a key role in both prototyping and testing the CardiacBooster device or its components.

You will have a hands-on role in our laboratory. Your key responsibility will be to obtain reliable test results on the CardiacBooster device or its components. You will perform protocol-defined tests and analyses and report results to the company's R&D team. Furthermore, you will be responsible for maintaining a structured lab environment, including managing the supply chain of all what is needed for in-house building and testing of the pVAD devices.

The R&D Technician will work closely with other team members, such as Test Engineers and R&D Engineers. As an R&D Technician, you will share the responsibility of realizing the full potential of CardiacBooster's technology. The successful candidate will have entrepreneurial spirit, the required persistence to succeed in a start-up environment, and the ability to work in a highly dynamic environment.

You will have hands-on experience in working with (wet) test benches for validation and verification. As a candidate, you have a minimum of 2 years of work experience. You will at least a diploma or level 6 degree in a relevant field, or equivalent. You will work from the company's offices in Ireland, as applicable.

### Essential Job Responsibilities:

- Performing verification and validation bench tests on the company's catheter device, according to protocols & standards
- Preparation and maintenance of systems that support company's bench testing, such as (re)calibrations.
- Translation of test results into objective reports.
- Provide clearly communicated data input to the team
- Managing the operational structure in the CardiacBooster laboratory, including logistics.

### Required Qualifications & Characteristics:

- Experience in design, development, operation and maintenance of test fixtures.
- Catheter and medical device functional and safety test experience an advantage
- Experience with physical measurement equipment and sensors.

- Some experience with Matlab + Matlab Simulink is preferred.
- Excellent communication skills in English.
- Diploma/Degree in relevant field with relevant experience, such as 'Lab analyst', R&D Technician,

Additional Desirable Experience or Qualifications in:

- Basic competency in Solidworks or equivalent 3D CAD system.
- Use of statistical analysis techniques & DOE
- Medical device development in compliance to ISO 13485

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel so classified.