

## Optical System Engineer

Our client, a Madrid-based **start-up medical device company**, is developing a “**first-in class**” optically guided device for cardiovascular interventions. The Company’s lead product, incorporates advanced image processing which with the help of proprietary software enables communication between the medical device and the operating room monitor. The images generated by the device will enable the surgeon to control the outcome of an intervention in real time optimizing long-term success.

### **Responsibilities and objectives:**

- Assembly of optical systems: fiber splicing, lens and mirror alignments, basic optical measurements.
- Under general supervision, perform skilled duties in the testing and troubleshooting of PS-OCT system.
- Investigation and implementation of new concepts on complex optical system.
- Development of calibrations protocols for medical application (phantom development and testing).
- Lab software development in Python.
- Handling of electronic devices.
- Preparation of documentation and materials for communicating results and findings of the RnD optical system area.
- Participation in meetings to invent and to develop innovative solutions that can lead to patents.

### **Education and experience:**

- Master’s degree or Engineering degree in biomedical engineering, physics or telecommunications.
- Hands-on knowledge in Optics (fiber-based and free-space).
- Basics of Python.
- Interest working for a medical application.
- English, Proficient: candidate must be able to work in an international environment, read technical documents and write notes and measurement reports in English.

### **We offer**

- An exciting opportunity to attribute to a life saving device.
- Be part of a high-performing team with the challenge of bringing a first-in class device to market.
- A project backed by internationally renowned investment partners and scientific advisors
- Competitive economic package.