

RESEARCH SCIENTIST – IMPLANTABLE BIOSENSING SYSTEMS

We are seeking a Research Scientist with experience in the R&D of biosensing system technologies, and a strong background in materials, to join our team developing next-generation implantable biosensing technology.

This is an opportunity to contribute directly to the development of novel implantable monitoring technologies within an innovative deep-tech healthcare company. Working across materials, mechanics, electronics, and biological systems, you will support modelling, experimental investigation, and prototype development activities for emerging implantable sensing platforms.

▮ ABOUT US

We are developing implantable sensing platforms designed to generate continuous biological insight in an area of medicine that remains poorly understood. Our work combines advanced engineering, sensing technologies, materials science, embedded systems, and physiology within a highly collaborative R&D environment.

▮ THE ROLE

You will contribute to investigations into novel device and system technologies for implantable monitoring systems, supporting activities including:

- ▶ Modelling and simulation of materials and system-level device behaviour
- ▶ Development of research prototypes, PCB-based systems, and test rigs
- ▶ Experimental design, verification testing, and performance characterisation
- ▶ Scientific programming and data analysis
- ▶ Technical reporting and experimental documentation
- ▶ Supporting invention disclosures
- ▶ Contributing to multidisciplinary research activities spanning engineering, materials, electronics, and biological systems

▮ ABOUT YOU

You will likely have:

- ▶ A PhD, or equivalent industry experience, in Engineering, Physical Sciences, or a related discipline
- ▶ Experience contributing to complex or multidisciplinary research projects
- ▶ Experience with finite element modelling and scientific programming tools such as Python
- ▶ Strong analytical and experimental problem-solving capability
- ▶ Experience designing and conducting robust experimental investigations
- ▶ A track record of scientific contribution through publications or patents
- ▶ Experience in biosensing systems, implantable devices, materials, electronics integration, miniaturisation, biocompatible materials, or related technologies would be advantageous.

▮ THE OPPORTUNITY

This role offers the opportunity to work on technically challenging problems within a scientifically rigorous and collaborative environment, contributing directly to the development of innovative implantable healthcare technologies.