



BIO-SENSOR ENGINEER

LOCATION: ABERYSTWYTH, WALES **BASIS:** 2 YEAR; FULL TIME **APPLICATION CLOSES:** 11/06/2019
JOB START DATE: ASAP **ELIGIBILITY:** YOU MUST BE ELIGIBLE TO WORK IN THE UK

THE ROLE

The Aber Instruments R&D team is looking to grow with the addition of an enthusiastic and innovative new member. Based in Aberystwyth, we're an employee owned company with 30 years experience making cell monitoring instrumentation for the brewing and biotech markets - find out more about our employee owned ethos, history and product range by visiting our website - www.aberinstruments.com. The company is an established, global market leader constantly working to innovate and expand our product portfolio, with bases in the U.K and the U.S.

We're embarking on a 2 year SMARTCymru funded project to advance our existing capacitance technology and we're looking for someone who is inquisitive and enjoys using physics, maths and electronics theory to solve real world problems. You will work as part of our R&D team alongside our electronics, mechanical and software engineers to develop scientific theory into practical solutions. As we count many of the world's leading biotech and brewing companies as customers, attention to detail and quality is vital.

RESPONSIBILITIES

You will be responsible for carrying out design and experimental tasks as specified in the project work plan with the aim of designing, developing and proving circuit and system designs.

Your work on a day to day basis will involve :

- The design and implementation of electrical systems suitable for RF impedance spectroscopy
- Prototyping, testing, evaluating and troubleshooting designs
- Documenting your work and writing up test/progress reports
- Working with members of the project team to integrate measurement systems with cell culture in a laboratory environment



KNOWLEDGE, SKILLS & EXPERIENCE

Given the demanding time constraints of the project we are looking for someone with experience of designing and prototyping analogue circuits and systems who can hit the ground running.

To achieve this you will need to have :

- Knowledge of electronic circuit and system design, including analogue circuit for wideband RF impedance spectroscopy.
- Experience in experimental design and practical evaluation of hypotheses.
- Experience of prototype development and testing.
- Strong analytical ability and problem-solving skills.
- BSc/BEng in Electronics, Physics, Biochemistry or a related discipline, with further education or experience in a relevant field.

It would be desirable that you have:

- Experience of electrical measurement of biological systems or other relevant sensor systems.
- Experience of systems design for evaluation and measurement of biological systems.
- Physics background knowledge.
- Ability to work well as part of a multidisciplinary team.

BENEFITS

As an employee owned company we offer a unique benefits package which includes:

- 1000 shares in the company upon completion of your probation period.
- The opportunity to buy ABER shares
- Profit share
- Flexible working
- UWA sports centre membership
- 20 - 26 days holiday + bank holidays + shutdown over Christmas
- Opportunity to influence how the company grows and operates through an employee council

To apply please send a CV and Cover Letter by email to: emma@aberinstruments.com