

Job Description

Job Title: SENIOR SCIENTIST

Primary Role:

- Initiate, direct and execute scientific research and development work to support new and existing products;
- Develop methods for integrating Sphere's proprietary electrochemical biosensors into new products;
- Design, fabricate, and evaluate prototypes of new chemical sensors;
- Plan, organise and carry out test programmes;
- Identify suitable concepts for future products;
- Collaborate with other team members on internal development projects.

Other Roles:

- Participate in project planning, process updates and contribute to experimental design;
- Create potentially patentable components for systems, sensors or processes;
- Prepare and deliver presentations of project results to others;
- Contribute to the development of new sensor manufacturing processes;
- Contribute to product specifications;
- Participate in design and risk reviews;
- Co-ordinate and support the Company's product development, operations and marketing activities and facilities as requested from time to time;
- Supervise junior staff;
- Ensure a safe working environment;
- Work to good laboratory practice and contribute to the development and maintenance of Sphere's Quality System;
- Project related (or departmental budget) financial management as requested from time to time.

Skills:

- Experience in processing large volumes of experimental data (using e.g. VBA for MS Excel, MATLAB) is essential;
- Experience in the design and development of electrochemical biosensors would be advantageous;
- Familiarity with the medical device development process is desirable, but not essential;
- Some experience in the use of micromachined devices would be highly desirable.

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Personal Attributes:

- Team-player, ability to work within a multi-disciplinary team;
- Creative problem solver;
- Ability and desire to work “hands-on”;
- Self-motivated;
- Ability to motivate others;
- Well organised;
- Self-confident;
- Attention to detail;
- Open and honest;
- Able to work to tight deadlines.

Education:

- PhD (or equivalent) in biochemistry, chemistry, physics, engineering or biology.
- A good academic track-record in the area of chemical sensing or biosensing would be advantageous.
- Experience of working in an industrial environment, ideally in the medical device or related industry.
- Experience of working with quality systems e.g. ISO13485, would be desirable.

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