



Assistant Development Chemist

Job description

The primary role of the Assistant Development Chemist will be to support the development and production of a range of polycarbonate urethane-based resins for biomedical 3D printing applications.

Key responsibilities:

- Proactively plan and co-ordinate your work with colleagues to meet the company's operational goals.
- Prepare resin components and resin blends as required.
- Keep accurate records of all work done in accordance with company documentation guidelines.
- Provide professional scientific reports on work done.
- Assist with the interpretation of data and the creation of technical reports and presentations.
- Adhere to all health and safety policies and guidelines.
- Follow all provided standard operating procedures.

Specific duties will include:

- Working as part of a team of chemists on the development, production and optimisation of a range of 3D printing resins with properties tuned to the particular requirements of specific applications (physical, biocompatible, degradation, resorption etc).
- Carrying out analysis, testing and characterization of 3D printing resins and printed products to generate sound scientific evidence of product performance and compliance with quality requirements.
- Assisting in all production operations including procurement and storage of input materials, running R+D batch production, quality control testing, packaging and storage of finished product.
- Ensuring accurate records are kept of all operational activities and writing clear technical and operational reports and presentations tailored to the specific needs of internal and external audiences.
- Cleaning all production and testing equipment after use.
- Maintaining a clean, tidy and safe working environment at all times.
- Any other duties reasonably required by the company.

Person specification

The successful applicant will be well organised, self-motivated and highly dependable. Comfortable working in small teams or alone, you will also have initiative, the ability to problem-solving, and the determination to overcome challenges and setbacks.

Essential requirements:

- Bachelors or Masters Degree in Chemistry or Chemical Engineering.
- Experience of synthetic lab chemistry.
- Experience in all commonly used chemical analysis and characterisation techniques.
- Awareness of Health and Safety requirements in a chemical laboratory setting.
- Eligible to work permanently in the UK.

Desirable requirements:

- PhD in Chemistry or Chemical Engineering
- Experience of synthetic polymer chemistry and analysis.
- Experience of 3D printing.
- Valid UK driving license.

Reporting

You will report to the Head of R+D Operations.

Primary location

You will be based at Medicity, Building D6 Thane Road, Nottingham NG90 6BH. From time to time and as the business develops, you will also be required to work in other locations across the UK and overseas.

Working conditions

You will be working in the special conditions of a chemical laboratory and local safety regulations must be observed at all times including the appropriate use of personal protective equipment.

Physical Requirements

You will be required to regularly stand for extended periods of time in a lab environment, and to lift heavy objects from time to time.

Specific training required

Relevant safety training will be provided in accordance with the company's Health and Safety policy.