



## **Quantum Science Ltd**

### **Senior Scale Up Chemist**

**Location:** Daresbury, Warrington

**Salary:** £35,000-£45,000 (depending on experience)

**Hours:** Full time

**Contract Type:** Permanent

### **Role Overview**

Quantum Science (QS) have an exciting new opportunity for a Senior Scale Up Chemist who will take a pivotal role in leading the development and scale up of colloidal quantum dots (CQDs) for optoelectronic and health care applications.

### **Company and Business Overview**

Quantum Science is an award-winning company focusing on research and development of quantum dots and other advanced materials. We contribute to society through material innovation to transform image sensors or provide cutting-edge technology for noninvasive medical and health monitoring with high sensitivity detection at low cost.

We have fostered strong relationships with leading research organisations and industrial partners to keep us at the forefront of innovation while achieving a stable foundation thanks to investors who share our long-term vision.

We work closely with research and business partners to develop innovative technology and then license the developed technology to create a win-win partnership with our customers.

Our company is based in TechSpace One, Sci Tech Daresbury, Warrington

### **Main tasks and responsibility**

- Developing safe, cost-effective manufacturing processes for colloidal quantum dots, scaling up from lab to full-scale commercial process meeting material demand of industrial partners and contractors in timely manner
- Provide technical solutions and troubleshoot manufacturing issues to ensure best properties for products at pilot and industrial production scale.
- Lead the continual optimisation & development of the existing & new product lines to ensure their best quality and cost-effectiveness
- Work closely with R&D team members and participate in planning and organisation of pilot scale with industrial partners
- Provide and document all SOP for manufacturing processes and testing techniques for new or improved products

- Provide written reports covering undertaken work in timely manner.

### **Skills and Experience**

- Hold a PhD or relevant, chemistry or related degree qualification.
- Possess proven experience in scaling up products, particularly colloidal quantum dots and nanomaterials from lab to pilots and full-scale manufacture.
- Knowledge and experience in setting up reactors and manufacturing lines for scale up and full-scale commercial production of colloidal quantum dots would be advantageous.
- Confident with a practical hands-on approach in the lab and excellent self-starter as well as dedicated-team member
- Possess some project management experience.
- Excellent communication and people skills.

### **KPI's:**

- Achieving project milestones
- Reporting results to team leader in a timely manner
- All samples are sent to QS teams and customers in a timely manner
- Identify needed equipment and carry out procurement if necessary

### **Benefits Package**

- Competitive salary
- Performance-related bonus system
- Pension contribution
- Life insurance

Qualified candidates should send the CV to [HR@qscis.com](mailto:HR@qscis.com)