

Synthetic Chemist

Quantum Solutions, a worldwide leader in cutting-edge quantum dot technology for wide-range image sensors, is seeking to employ a Synthetic Chemist for the role of Manufacturing Specialist. This is a full-time position located at Southampton Science Park. The successful candidate, as part of the manufacturing team, will work hand in hand with the Director of Manufacturing to manufacture top-notch quantum dot products.

Key responsibilities:

Quantum dots synthesis

Synthesize colloidal quantum dots for commercial orders: setup manufacturing stations, QDs synthesis using wet chemistry, QDs cleaning and purification, and packaging of the products.

Quality control

Carry out quality control of synthesized QDs: measurements of absorption and photoluminescence profiles, photoluminescence quantum yield, TGA, DLS, FTIR, etc.

Documentation and reporting

Maintaining detailed records of the work done. Create and revise technical documentation.

Laboratory duties

Cooperate in laboratory collective and routine tasks: inventory, waste management, and good maintenance of the laboratories and equipment.

Required experience/skills:

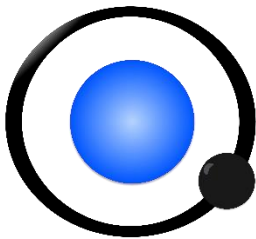
- A desire to work for a cutting-edge startup company and contribute to the development of impactful technologies by producing top-notch quantum dot products for the semiconductor industry
- Proven expertise in chemical synthesis, with a preference for experience with nanoparticles/quantum dots, organic/organometallic or inorganic synthesis.
- Mandatory experience in using a Schlenk line and a glove box.
- Bachelor's or Master's degree in chemistry
- Demonstrated proficiency in chemical synthetic skills, accuracy, and attention to detail
- Communication skills and the ability to effectively collaborate with diverse teams

Benefits:

The role presents dynamic opportunities for professional growth and learning, in addition to the following benefits:

- Competitive salary
- Pension scheme
- Health insurance
- Annual performance bonus
- Equity stock options
- PTO: 21 business days + UK bank holidays (7-8 days)

Qualified candidates should send their CV and cover letter to hr@quantum-solutions.com



QUANTUM SOLUTIONS

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