

JOB ADVERTISEMENT



Title: R&D Chemist – Synthesis (BS level) or Associate Chemist – Synthesis (PhD level)

Positions: 1

Start date: Summer 2020, before July 31st

Compensation: Annual salary, paid time off, health and dental insurance, stock options



Company Summary: UbiQD is an advanced materials company powering product innovations in agriculture, clean energy, and security. Our quantum dots enable industry leaders to harness the power of light. Licensing technology developed at Los Alamos National Laboratory, Massachusetts Institute of Technology, the University of Washington, and Western Washington University, Los Alamos, New Mexico-based UbiQD envisions a future where quantum dots are ubiquitous across a wide spectrum of applications. More information: UbiQD.com & UbiGro.com.

This Position: This new position at the company involves conducting physical chemistry R&D. Specifically, this includes daily synthesis of semiconductor nanocrystals (*i.e.* QDs). R&D goals include optimizing and tailoring optical and physical properties for various use cases, developing new ligand exchange reactions, stabilization, purification, and waste reduction. This position involves standing for extended periods of time, occasionally lifting heavy objects, and periodically presenting technical progress to the team and broader research community. Additionally, the company supports professional development and career advancement activities for employees.

Job Requirements

- Bachelor's (or higher) degree in chemistry, materials engineering, or similar discipline
- Experience with chemical reactions and synthesis
- Experience with safe handling of hazardous materials in a chemistry lab setting
- Ability to work independently with minimal supervision
- Ability to organize/analyze data and draw conclusions from technical data
- Strong scientific record keeping abilities
- Excellent written and verbal communication skills
- Residence in or re-location to Los Alamos, New Mexico
- Eligibility to work in the United States
- Must be over the age of 18

Desired Experience

- Semiconductor nanocrystal science, nanocomposites, ligand exchange
- Process development or design of experiments
- Handling of air-free chemicals, Schlenk line chemistry, glove box use
- Chemistry lab upkeep and maintenance, equipment repair
- Reactor design, scale-up, chemical engineering

Note: Applicants should be aware that working at an early-stage technology business involves a greater degree of risk than a larger established company. Compensation and benefits will reflect the company's evolving financial situation. UbiQD is an at-will, equal opportunity employer.

For more information or to apply please email Dr. Karthik Ramasamy: karthik@ubiqd.com