Title: R&D Chemist

Positions: 4 Full-Time

Start date: July-Oct 2017

Compensation: stock options, health insurance, paid time off, $50,000-60,000 initial annual salary, relocation

Summary: UbiQD is a cleantech materials company that manufactures inexpensive low-hazard colloidal quantum dots and nanocomposites in Los Alamos, New Mexico. Quantum dots are particularly attractive due to their bright and strongly size-tunable color of photoluminescence. The “killer application” for this technology is using them as electricity-generating window tints for buildings. UbiQD’s vision is to power cities with the glass on skyscrapers, and in the process become the worldwide leader in quantum dot technologies by enabling other new products.

Responsibilities:

- Synthesis, surface modification, and/or composite preparation following proprietary methods
- Research and development of new chemical processes for better performance or lower cost
- Maintaining product inventory, quality control, and records of all experiments
- Modifying procedures to develop materials that meet customers’ specific needs
- Scaling up chemical processes
- Troubleshooting to identify solutions to problems
- Standing for long periods of time and lifting heavy objects
- Presenting technical progress to the team

Success in this Role Will Involve:

- Ability to multitask, prioritize and manage tasks with sensitivity to time and urgency
- Strong work ethic, team player mentality, and a positive attitude
- Close attention to details, laboratory safety and hygiene policies

Must-Have Requirements:

- BS in chemistry, chemical engineering, or materials science (or related field) and at least 2 years’ laboratory experience. PhD and MS candidates may also be considered.
- Experience organizing and drawing conclusions from technical data
- Communication skills (written and verbal)
- Residence in (or relocation to) Los Alamos, NM

Wanted Experience:

- Chemical industry
- Worked independently with minimal supervision
- Worked with nanocrystals or quantum dots
- Conducted fluorescence or other spectroscopy
- Worked with Schlenk/air-free techniques
- Programmed in LabView

Note: Applicants should be aware that working at a startup company may involve a greater degree of risk than working at a larger established company. The compensation to be offered reflects the company’s current financial situation. UbiQD is an at-will, equal opportunity employer. For more information or to apply please email Hunter McDaniel: hunter@ubiqd.com.