

# JOB ADVERTISEMENT



**Title:** R&D Chemist (Spectroscopy focused)

**Positions:** 1

**Start date:** Fall 2019, no later than Dec. 31<sup>st</sup>

**Compensation:** Annual salary, PTO, health insurance, stock options



**Company Summary:** UbiQD, headquartered in Los Alamos, New Mexico, developed a luminescent greenhouse film technology called UbiGro™ that red-shifts the sun's spectrum for improved crop yield, faster cycle time, and better crop quality. The company manufactures the enabling nanomaterials, called quantum dots (QDs), in-house in Los Alamos and has set up contract manufacturing of greenhouse film products. UbiQD's novel QDs are known for their near-perfect ability to convert one color of light into another, which makes this a platform technology with applications beyond the first focus in agriculture.

**About position:** This new position at the company involves conducting daily optical characterization of new materials, maintaining database of the spectroscopic measurements, and development of novel spectroscopic capabilities. 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. UbiQD strongly believes in professional development, such as online training, patent workshops, and other activities.

## Job Requirements

- Bachelor's (or higher) degree in physical chemistry, materials science, polymer science or similar discipline.
- Experience with absorption and fluorescence spectroscopy.
- Ability to work independently with minimal supervision.
- Ability to organize/analyze data and draw conclusions from technical data.
- Strong scientific record keeping abilities.
- Experience with safe material handling in a chemistry lab setting
- Excellent written and verbal communication skills
- Experience with Microsoft Office (especially PowerPoint and Word)
- Residence in or re-location to Los Alamos, NM
- Be eligible to work in the USA
- Be over the age of 18

## Desired Qualifications

- Experience with design, maintenance, and repair of spectroscopic equipment.
- Experience with nanocrystals, quantum dots, and/or nanocomposites
- Experience with databases, SQL, Python
- Experience with LabView, Origin, Mathematica

**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 Nikolay Makarov: [nikolay@ubiqd.com](mailto:nikolay@ubiqd.com)