

# JOB ADVERTISEMENT



**Title:** R&D Chemist (Staff or Internship)

**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 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 dots 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 utilizing design of experiments to explore the parameter space for QD resin formulations. The R&D Chemist will run quality control tests for manufactured polymer materials, develop scale-up methods for successful resin formulations, and help maintain existing lab equipment, develop new lab equipment. This position involves standing for extended periods of time, 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 chemistry, materials science, polymer science or similar
- Experience and/or knowledge of polymer chemistry
- Experience with safe material handling in a chemistry lab setting
- Excellent written and verbal communication skills
- Experience with Microsoft Office (especially Excel 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 polymer mechanical testing and/or spectroscopy
- Experience with nanocrystals, quantum dots, and/or nanocomposites
- Experience with polymer formulation
- Experience with design of experiments
- Experience with radical polymerization, roll-to-roll coating, and/or extrusion
- Experience maintaining lab equipment
- Programming experience (Python, C, Java)

**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 Aaron Jackson: [aaron@ubiqd.com](mailto:aaron@ubiqd.com)