



The miracles of science™

PhD Scientist (Entry Level) – Solid State Chemist

Description:

DuPont Central Research and Development is seeking an **entry level Ph.D. Solid State Chemist**. The successful candidate will participate in the development of novel materials and devices for energy storage solutions, with particular focus on electrode materials for lithium ion batteries. Responsibilities will include the preparation of inorganic materials through solid-solid, solid-liquid and gas-solid reactions; control of particle size, including preparation of nanoparticles; particle coating, and materials characterization. The candidate will identify promising new areas of research, develop an understanding of-structure-property relationships for new materials and microstructures, and transfer laboratory synthesis to pilot- and commercial-scale production.

Over the 200 plus year rich history of DuPont, our science has not only met demands of the time, but has also helped define our future. With a growing world population and increased global demands on resources, we are focused on increasing food production, decreasing dependence on fossil fuels, protecting lives and the environment, and meeting emerging market demand for value-added science based solutions. Scientists and engineers within CR&D work within multi-disciplinary teams along side DuPont businesses to develop novel products and processes across a spectrum of applications in line with our 2015 corporate sustainability goals. One key component of DuPont Science and Technology is the effort of [Central Research and Development \(CR&D\)](#), which employs more than 1,000 people at the Experimental Station and other research sites in Northern Delaware. CR&D is the foundation of our science efforts and has been responsible for most of our major product breakthroughs. CR&D provides both leveraged scientific services and long-term research activities to the corporation.

Qualifications:

Specialized Training: Ph.D. Chemistry or Materials Science

Experience: Lithium Ion Batteries (must)

Technical skills: Synthesis of oxides, phosphates, or related compounds.

Work Habits: Ability to work in a collaborative, team environment. Ability to plan and organize individual research program and effectively manage time is a requirement.

Preference will be given to those candidates who have demonstrated creative and innovative thinking. Good written and verbal communications are also a requirement for the position. 2-5 years of experience related to lithium ion batteries is a must.

How to Apply:

Submit resume to: dupont@nc3.com

In the email subject, indicate “name of your school” – “discipline”

DuPont is a global Fortune 100 company, operating in 70 countries today. We are looking for people who have a passion for delivering innovative, sustainable solutions that meet our customer needs for a better, healthier, safer life. DuPont offers an exciting place to work where thousands of innovations are introduced every year. You will have opportunities for growth through involvement in various dynamic industries from high-tech to high-performance; including agriculture, nutrition, electronics, communications, safety and protection, home and construction, transportation, and apparel. At DuPont, you will find sustainability in our vision, our business and your future. If you want to work on the leading edge of your field and have a desire to make a difference, join DuPont and discover The miracles of science™. DuPont is an equal opportunity employer and an E-Verify employer.