Ph.D. Scientists/Engineers (Entry Level) - Polymer Chemists

Description:

DuPont Central Research and Development (CR&D) is seeking entry level PhD Polymer Chemists with experience in the synthesis, characterization, and processing of polymers. Candidates should have a strong background in synthetic techniques and methodologies for polymers. Familiarity with a broad array of polymers and their solubility in various solvents/co-solvents is anticipated. The ability to work up multi-step syntheses, to optimize yields and to minimize side reactions is important.

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. 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.

Qualifications:

- Ph.D. in Polymer Chemistry or related discipline.
- The knowledge of various purification techniques is expected.
- The ability to characterize the synthetic products using a variety of analytical methods such as:
  - NMR
  - TGA
  - Spectroscopy
  - IPC
  - Microscopy

In addition, the candidates should have a basic understanding of structure-property relationships and polymer physics and should have the knowledge to pursue routes of polymer modification as needed. Experience with the preparation of co-polymers and the impact on bulk and surface properties would be desired as well.

Preference will be given to candidates who have experience working in a multidisciplinary team environment and have demonstrated the ability to lead program segments in order to meet team objectives.

How to Apply:


With expertise spanning two centuries, diverse industries and more than 90 countries, our company is uniquely positioned to help solve some of the world’s biggest challenges. For more than 200 years, DuPont has brought world-class science and engineering to the global marketplace through innovative products, materials and services. Our market-driven innovation introduces thousands of new products and patent applications every year, serving markets as diverse as agriculture, nutrition, electronics and communications, safety and protection, home and construction, transportation and apparel. Today, DuPont is proud to build on this heritage by partnering with others to tackle the unprecedented challenges in food, energy and protection now facing our world. With global population expected to approach nine billion by 2050, DuPont is working with customers, governments, NGOs and thought leaders to discover solutions to today’s toughest challenges. Together, we believe we can provide enough healthy food for people everywhere, decrease dependence on fossil fuels, and protect people and the environment for generations to come. We look forward to what a third century of science and innovation can do. DuPont is an equal opportunity employer and an E-Verify employer.