NEW COLLEGE GRADUATE - RESEARCH & DEVELOPMENT (PH.D.)

JOB DESCRIPTION

Join our team of problem solvers dedicated to tackling some of the most complex global challenges.

We all, first and foremost, consider ourselves solvers. We make a measurable difference in the world by cultivating solutions for safe and ample nutrition, abundant and sustainable energy, digital acceleration and protection for people and the planet we share.

DuPont solvers develop innovative products, materials and services that meet the shifting market needs of diverse industries in more than 90 countries. We do so through collaboration, both inside and outside our company. After all, global challenges require global collaboration. Come be a part of our dynamic and diverse network to unlock the power of materials. Help us solve.

RESEARCH AND DEVELOPMENT SCIENTIST/ENGINEER

Our scientists and engineers work closely with customers to define, lead, and execute technical programs focused on delivering business value by establishing a fundamental understanding of the technical and business needs. Using innovative approaches to solve technical problems, research and development is carried out in cross-functional, interdisciplinary teams to deliver highly specialized solutions at market speed.

We want risk-taking, adaptive, collaborative candidates. We want people to appreciate the details, but still see the big picture, and have the drive to solve problems creatively and efficiently. As innovation grows, so can you with a career at DuPont.

At DuPont, you will have access to many career paths (e.g. application development, product and process research, and operations and engineering) in several specialty products businesses (e.g. Electronics & Imaging, Transportation & Advanced Polymers and Safety & Construction) and research functions that are broadly leveraged across all businesses (e.g. Core Analytical Sciences).

Specific job responsibilities include, but are not limited to:

- Identifying, assessing and developing new scientific concepts, technologies and/or products to provide solutions to global challenges, carried out in close collaboration with customers and internal stakeholders in all regions
- Managing scientific, technical, or information projects, coordinating with other professionals, such as manufacturing, marketing, sales, supply chain and support personnel to accomplish specific project objectives
- Demonstrating functional excellence in the application of the scientific method and design of experiments
- Timely documentation and generation of intellectual property
- Enabling business decisions via clear communication of results to technical teams, management and customers
- Being an active member of broader R&D community to drive growth in core market segments and transformational technology platforms across all regions
EDUCATION REQUIREMENTS

We are seeking candidates who have earned a Ph.D. in one or more of the following areas: mechanical engineering, chemical engineering, materials science and engineering, polymer science and engineering, chemistry, electrical engineering or related fields - 3.0 GPA or higher (on 4.0 scale). Post-docs and graduate students with expected degree completion within one year are encouraged to apply.

ADDITIONAL QUALIFICATIONS

Additional expertise in the following areas may be advantageous: polymer physics, polymer chemistry, synthetic skills, analytical sciences, materials characterization, rheology, inorganic materials, computational modelling, mechanical testing, chemical or materials processing, process development and control systems.

Successful candidates will possess the following skills

- **Self-Driven** – exhibits a clear sense of purpose and is able and willing to take risks and do difficult things to deliver results with speed
- **Highly Collaborative** – engages individuals/teams to achieve superior results and creates an atmosphere of value-driven outcomes
- **Embraces diversity** – seeks out and surrounds oneself with people who are and think differently and has broader awareness of the value of diversity and inclusion
- **Learning Agility** – possesses a personal drive to learn, pivot when necessary, and adapt to the ever-changing needs of our Company in the face of a changing world and customer base
- **Intellectual Curiosity** – proactively invests time and energy into learning more and personally developing in the interest of improving oneself and delivering better results
- **Continuous Improvement** – learns from successes and failures and integrates those learnings into how to continuously improve one’s contribution

DuPont is an equal opportunity employer.

To apply:

Send the following documents:

- Cover Letter (optional)
- Resume
- Two page research summary
- Transcript (optional)

To:
Dr. Sanil Sreekumar
Sanil.sreekumar@dupont.com

Final date for application submission is Monday August 12, 2019