

Job Posting Announcement

Effective Date: March 10, 2010

Job Title: Research Scientist, General Chemistry / Spectroscopy

Company: [Solvay Advanced Polymers, LLC](#)

Location: Alpharetta, GA

Company Overview: The Solvay Group ranks among the world's largest chemical manufacturers. Throughout its more than 145 years of existence the Solvay Group has been recognized as a highly reliable, quality-minded company, loyal to its customers and a leader in Responsible Care. Headquartered in Brussels, Belgium, Solvay is a global company that employs more than 19,000 people in 50 countries.

Solvay Advanced Polymers, a member of the Solvay Group, produces more plastics with more performance than any other company in the world. With fourteen distinct families of high-performance and ultra-performance plastics, Solvay Advanced Polymers gives design engineers worldwide more ways to solve top design challenges in automotive, healthcare, electronics, aerospace, plumbing, water purification and other demanding industries. Headquartered in Alpharetta, Georgia, Solvay Advanced Polymers produces compounds at its plants in North America, Europe and India. The company's focus on application development and innovation allow it to tailor the properties of its products to meet the demanding needs of the markets it serves.

Position Overview: Solvay Advanced Polymers is seeking a **Research Scientist** to work in our Research & Development Department at our headquarters in Alpharetta, GA.

The General Chemistry and Spectroscopy Groups are responsible for characterization of materials by wet chemical and spectroscopic techniques, including: aqueous non-aqueous titrations, ICP (Inductively coupled plasma spectroscopy), FTIR, NIR and UV/VIS Spectroscopy. These techniques are used to identify and quantify monomers, process intermediates and polymer products, solvents, ions, additives, etc.

Responsibilities:

- Perform analytical general chemistry (including aqueous and non-aqueous titrations) and spectroscopic techniques (ICP, FTIR, NIR, UV/VIS) and sample preparation for the analysis of monomers, intermediates, polymers, etc.
- Apply knowledge of the theory and practice of inorganic chemistry, organic and physical chemistry, titrations and spectroscopy to the interpretation and development of such analytical methods
- Work independently and provide supervision, mentoring, and coaching to general chemistry and spectroscopy technicians
- Troubleshoot general chemistry and spectroscopic equipment, software, and processes to maintain operations of the laboratory

- Continuously seek ways to improve the operation and performance of the General Chemistry group through training, education, tools, work procedures, method improvements, and expansion of capabilities
- Collaborate with various R&D, manufacturing, technical marketing, and business teams as a researcher and technical consultant
- Effectively communicate with managers, scientists, technicians, and customers both orally and by written reports
- Ensure that the laboratory is compliant with all QSM guidelines
- Develop spectroscopy and general chemistry expertise for the organization
- Help to communicate/share test results among other functions within the organization
- Maintain a safe work environment for self and others; Participate in peer and area coordinator safety audits and attend all required safety meetings & training
- Perform other duties as required or assigned

Requirements:

- Ph.D. in Analytical Chemistry, Organic, Polymer Chemistry, Materials Science, or related field
- Experience with analytical testing, general chemistry and spectroscopy theory and practice (FTIR, NIR, UV/VIS, ICP)
- Working knowledge of analytical testing, all areas of spectroscopy, and general chemistry techniques
- Strong analytical chemistry, inorganic chemistry, and polymer chemistry background preferred
- Experience with instrumentation design, electronics, and LIMS-equipment interfaces is a plus
- Experience with high performance engineering polymer is a plus
- Proven ability to work on team-based projects and be capable of leading program segments to meet team objectives
- Strong communication skills

To Apply: Email your resume to careers@solvay.com with subject line “Research Scientist, General Chemistry / Spectroscopy”