

United States Jobs Expertini®

Crystallization Engineer III - Small Molecule - FSP

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Company: Parexel

Location: United States

Category: architecture-and-engineering

When our values align, there's no limit to what we can achieve.

We are looking to fill an Engineer 3 position working as a full-time employee of Parexel on long-term assignment onsite at one of our clients in Rahway, NJ. This position offers full benefits, sick time, 401K, paid holidays, and paid time off. This position does not offer any sponsorship.

Overview / Responsibilities

The Chemical Engineering Research and Development department of one of our clients in Rahway, NJ has a position available that will have primary accountability for lab process development specifically around API crystallization, isolation, drying, and particle physical attribute control. Activities will include working with gram quantities at the bench scale to a few kilograms at the Unit Operations and Preplab scales utilizing wet and dry processing equipment within these labs (e.g., crystallization vessels, filtration and drying equipment, and wet and dry milling tools, etc.). The department offers fast-paced, hands-on research that requires a high degree of technical skills and contributions. Secondary activities may include experiments and the use of instruments associated with process safety evaluation when needed, and the general support of Specialty Labs operations within the Chemical Engineering R&D Department.

Qualifications

BS or MS degree or equivalent in Engineering, Chemistry, Chemical Engineering, or a related field is required

Engineer 3, MS plus 1-2 years' experience in a regulated work environment, or equivalent combination of education, training, and experience that provides the individual with the required knowledge, skills, and abilities; BS with 3-5 years.

Engineer 2, MS plus < 1 year; or BS with 1-2 years of relevant experience

Required Skills and Experience

Knowledge of chemistry theory and practice, along with process scale-up

Ability to work in the lab with a variety of chemicals

Experience in wet chemistry including safely handling solvents and chemicals, running experiments, proper disposal of waste, and generating and analyzing data

Ability to use an array of characterization instruments

Good organizational, interpersonal, writing, and time management skills

The ability to strictly follow established procedures, policies and guidelines required to comply with safety, environmental and GMP expectations in the lab

Initiative and independence to develop, apply, and/or improve new systems and best practices

The ability to work independently with a minimum of supervision and as part of teams when required

Ability to work accurately in a fast-paced environment

Ability to write clear and concise reports

Familiarity with MS Office products

Proficiency with computers and experience with local and web-based software

Ability to integrate into the existing work and culture

Desired Skills and Experience

Experience in crystallization and/or with using Mettler Toledo equipment (i.e., EasyMax/Optimax reactor systems)

Experience with in-situ or off-line analytical techniques such as FTIR, FBRM, PVM, Raman, and/or GC/HPLC

Experience with solids handling within a ventilated balance enclosure

Familiarity with statistical experimental design (i.e., Design of Experiments)

Flexibility to adapt to changing work assignments and deadlines

Firsthand experience with experiments and data analysis using Differential Scanning Calorimetry (DSC) or other calorimetry techniques and tools

Experience with mathematical modeling using Aspen, Matlab/Mathematica or similar

This role may be subject to government and/or customer requirements regarding vaccination against COVID-19 that are more stringent than Parexel policy. Accordingly, successful applicants may need to be either vaccinated against COVID-19 or have an approved religious or medical exemption. Employment is contingent on disclosure of your COVID-19 vaccination status and, if relevant, proof of vaccination.

About Parexel

Parexel has a North American clinical operations business, which includes the CMC Operations group. We provide pharmaceutical and biopharmaceutical companies with qualified and talented technical professionals to support the development and delivery of new therapies.

For results-driven and caring individuals who want to make a meaningful difference in the world, Parexel is trusted by life sciences companies to meet their long-term staffing needs for scientists and engineers and related professionals in discovery and development of novel therapies, keeping patients at the center of everything we do, and where an inclusive community helps you be your best, transforming any career into a life-changing achievement.

Come join us!

EEO Disclaimer

Parexel is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to legally protected status, which in the US includes race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

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