

CONTINUUS Pharmaceuticals Job Posting

JOB TITLE:

Senior Crystallization Scientist

JOB DESCRIPTION:

CONTINUUS Pharmaceuticals has an opportunity for a Senior Crystallization Scientist to join our team. This highly qualified chemical engineer or chemist will be responsible for developing crystallizations for small molecule drug candidates manufactured via continuous processing. The Scientist will provide process analytical technology (PAT) and continuous manufacturing expertise, devising crystallization processes and developing new technologies to enable continuous processing. This Scientist is an expert in solid-state-chemistry of chemical materials / Active Pharmaceutical Ingredients (APIs).

KEY RESPONSIBILITIES:

- Develop innovative Integrated Continuous Manufacturing (ICM) solutions by coupling crystallization processes with PATs, automation, PAT supporting pharmaceutical development, including literature and technology development.
- Collaborate closely with drug substance and drug product process development and analytical colleagues.
- Utilize analytical science to drive efficient development and a scalable understanding of continuous processes and products.
- Provide hands-on laboratory expertise / knowledge in implementing complex crystallization design, particle engineering, and material characterization.
- Lead and develop crystallization strategies / procedures to control the purity, particle size, and polymorphic forms of the APIs or chemical compounds.
- Develop, optimize, and scale-up reproducible crystallization and continuous crystallization processes.
- Responsible for crystallization, technical transfer from lab to pilot plant, and commercial manufacturing facility.
- Develop/ use novel laboratory instrumentation and software modeling tools to improve process understanding and optimizing the process for safety.
- Solve problems involving particle size, polymorphs, and purity.

REQUIRED QUALIFICATIONS:

- The ideal candidate will have a PhD in Organic Chemistry or Chemical Engineering plus three years of relevant experience, or a Master's and 7+ years of relevant experience.
- Expertise in small molecule analysis and chromatographic and spectroscopic techniques, with an emphasis on PAT for process understanding and process control.
- Experience in pharmaceutical crystallizations, and solid-liquid filtration.
- Advanced experience with solid state characterization and PAT laboratory equipment / tools (PXRD, DSC, TGA, FBRM, Mastersizer, Microscopy etc.)
- Modeling software experience (Dynochem, gProms).
- Continuous process development equipment design (MSMPR, PFC, etc).

- Experience in a wide variety of analytical and physico-chemical techniques, including chromatography (HPLC), UV, FTIR, Raman, particle size determination, crystal characterization, and dissolution.
- Understanding of safety protocols, Good Laboratory Practices (GLP), Good Documentation Practices (GDP), ICH guidelines, and USP requirements.

ABOUT CONTINUUS:

CONTINUUS Pharmaceuticals is a spin-out company from the Novartis-MIT Center for Continuous Manufacturing. We design and develop innovative continuous manufacturing processes for pharmaceutical clients, providing an exceptional “one-stop solution” for the entire drug development and manufacturing cycle.

Rather than producing medicines through traditional batch processes, CONTINUUS offers a breakthrough Integrated Continuous Manufacturing (ICM) technology for small molecule drugs. The synthesis of the active pharmaceutical ingredient and final dosage form are integrated into a seamless and completely automated process. This novel method will allow “on-demand” manufacturing of pharmaceuticals with significant advantages in production lead time, quality, and cost.

Our pipeline is rapidly growing, with exciting projects with pharmaceutical and generic companies, as well as contracts with the US Government. Concurrently, we are transitioning to a commercial phase, where we will leverage our novel ICM platform to produce low-cost, high-quality drugs for patients worldwide. Essential to our evolution will be talented new team members who will contribute greatly to this mission. We look forward to meeting you.

<http://continuuspharma.com>

LOCATION:

25-R Olympia Avenue
Woburn, MA

EMPLOYMENT TYPE:

Full Time - U.S.-based

HOW TO APPLY:

If you're interested in this position, please email your resume to jobs@continuuspharma.com.

EEO STATEMENT

We are an Equal Opportunity Employer - all qualified applicants will receive consideration without regard to race; color; religion; sexual orientation or transgender status; gender identity or expression; pregnancy or related medical conditions; workplace hazards to reproductive systems; national origin and ancestry; age; veteran status; current physical or mental disability or history of; intellectual or learning disability; genetic information; homelessness status; sexual harassment; marital or civil union status; lawful activity outside of the workplace such as tobacco use; or any other characteristic protected by law.