

Purification Process Engineer - MSAT

A career with MilliporeSigma is an ongoing journey of discovery: our 58,000 people are shaping how the world lives, works and plays through next generation advancements in Healthcare, Life Science and Electronics. For more than 350 years and across the world we have passionately pursued our curiosity to find novel and vibrant ways of enhancing the lives of others. MilliporeSigma is a business of Merck KGaA, Darmstadt, Germany.

Your role:

Residing in the Life Science commercial organization and based in the Burlington, Massachusetts M Lab™ Collaboration Center, the Americas MSAT group is part of a worldwide Technical and Scientific Solutions (TSS) team of scientists and engineers that conducts biopharmaceutical process development, scale-up, and manufacturing support activities. We work closely with our customers and our colleagues across the globe to solve the toughest problems in Life Science.

Relying on sound engineering principles and a demonstrated understanding of biopharmaceutical purification, you will support clinical and commercial scale customers to implement systems, technologies, and single-use assemblies for the purification of biopharmaceutical products.

In addition, leveraging your knowledge in TFF, you will help to solve technical challenges using our industry leading Pellicon® devices in applications such as ultrafiltration concentration, diafiltration, formulation, or single-pass TFF. You will proactively support our customers to optimize and implement TFF operations through consultation or field trials, and you will reactively guide customer troubleshooting efforts when challenges arise. Some of your other responsibilities will include:

- Process design reviews for TFF and chromatography systems (both single-use and multi-use systems).
- Hands-on system & control software training at customer sites.
- Programming automated batch recipes in system control software.
- Design qualification of single-use assemblies, as well as fit-for-purpose testing in our M Lab pilot facility.
- Process intermediate and drug product mixing study design and execution
- Occasional support for commissioning or validation activities in the field.
- 10-25% travel

Who You Are

Minimum Qualifications:

- Bachelor's of Science in Chemical Engineering or Biotechnology with 5+ years of bioprocessing experience -OR- Master's of Science in Chemical Engineering or Biotechnology with 4+ years of bioprocessing experience -OR- PhD in Chemical Engineering or Biotechnology with 2+ years of bioprocessing experience
- 2+ years of experience of engineering fundamentals in fluid dynamics, mass transport, separation principles, and process control
- 2+ years of experience with downstream purification of biologics in a manufacturing or process development environment, including a knowledge of scale-up, process transfer, and cGMP manufacturing for tangential flow filtration, chromatography, and/or mixing operations

Preferred Qualifications:

- Experience with multi-use and single-use systems design, operation, validation, and/or control software user interface
- Ability to communicate technical concepts to colleagues and customers using excellent written and verbal communication skills
- Experience defining process control strategies for process validation following QbD principles and including PAT
- Dependable, self-motivated, and able to thrive in an autonomous working environment
- Demonstrated leadership in complex projects involving diverse groups of stakeholders

What we offer: With us, there are always opportunities to break new ground. We empower you to fulfil your ambitions, and our diverse businesses offer various career moves to seek new horizons. We trust you with responsibility early on and support you to draw your own career map that is responsive to your aspirations and priorities in life. Join us and bring your curiosity to life!

Curious? Apply and find more information at <https://jobs.vibrantm.com>

The Company is an Equal Employment Opportunity employer. No employee or applicant for employment will be discriminated against on the basis of race, color, religion, age, sex, sexual orientation, national origin, ancestry, disability, military or veteran status, genetic information, gender identity, transgender status, marital status, or any other classification protected by applicable federal, state, or local law. This policy of Equal Employment Opportunity applies to all policies and programs relating to recruitment and hiring, promotion, compensation, benefits, discipline, termination, and all other terms and conditions of employment. Any applicant or employee who believes they have been discriminated against by the Company or anyone acting on behalf of the Company must report any concerns to their Human Resources Business Partner, Legal, or Compliance immediately. The Company will not retaliate against any individual because they made a good faith report of discrimination.

Location: Burlington, MA

Apply: <https://jobs.vibrantm.com/emd/job/Burlington-Purification-Process-Engineer-MSAT-VT-01803/708017701/>