

Senior Manager, Process Engineering

Job ID

REQ-10074860

May 26, 2026

LOC_US

About the Role

#LI-Onsite

Location: Durham, NC

Relocation Support: This role is based in Durham, United States. Novartis is unable to offer relocation support: please only apply if accessible.

Key Responsibilities

- Define and evolve lifecycle engineering strategies for large-scale biologics process and laboratory equipment
- Lead design, configuration, and integration of custom-engineered manufacturing systems supporting biotechnology processes
- Oversee commissioning and qualification activities to ensure equipment readiness, compliance, and operational performance
- Provide technical expertise on biologics process equipment across upstream and downstream manufacturing systems
- Partner with Manufacturing Science and Technology, Operations, and Quality on process performance and technology transfer
- Support startup of new manufacturing facility, ensuring successful equipment installation, testing, and qualification
- Own lifecycle strategies to optimize equipment performance and long-term manufacturing capability
- Lead root cause investigations and implement sustainable solutions for complex process equipment issues
- Develop technical specifications including user requirements, functional, and detailed design specifications
- Drive equipment upgrades and continuous improvement initiatives to support evolving process and capacity needs

Essential Requirements

- Bachelor's degree in Chemical, Biochemical, Mechanical, or related engineering field with 9+ years relevant experience
- Experience in process engineering or manufacturing science within biologics or pharmaceutical manufacturing environments
- Expertise supporting large-scale biologics manufacturing equipment, including upstream or downstream process systems
- Experience with equipment design, commissioning, and qualification, delivering systems from concept through operational readiness
- Experience working with custom-engineered equipment supporting biotechnology processes, including integration and performance evaluation
- Experience supporting facility startup, expansion, or technology transfer in a regulated manufacturing environment
- Strong knowledge of Good Manufacturing Practice and regulatory requirements for biologics manufacturing systems
- Ability to analyze process and equipment performance data to drive optimization, troubleshooting, and continuous improvement

Desirable Requirements

- Experience supporting large-scale biologics manufacturing, including upstream or downstream process systems
- Experience supporting stainless based equipment manufacturing facilities for large-scale biologics production

The salary for this position is expected to range between \$114,100 and \$211,900/year. The final salary offered is determined based on factors like, but not limited to, relevant skills and experience, and upon joining Novartis will be reviewed periodically. Novartis may change the published salary range based on company and market factors. Your compensation will include a performance-based cash incentive and, depending on the level of the role, eligibility to be considered for annual equity awards. US-based eligible employees will receive a comprehensive benefits package that includes health, life and disability benefits, a 401(k) with company contribution and match, and a variety of other benefits. In addition, employees are eligible for a generous time off package including vacation, personal days, holidays and other leaves.

Role Requirements

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? <https://www.novartis.com/about/strategy/people-and-culture>

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally.

[Read our handbook \(PDF 30 MB\)](#)

Division

DIV_TO

Business Unit

Production / Manufacturing

Location

LOC_US

Site

Durham

Company / Legal Entity

U473 (FCRS = US473) Novartis Gene Therapies

Functional Area

FCT_TO

Job Type

Full time

Employment Type

Regular

Shift Work

No

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