

# Compound Management, Liquid Handling Automation Operator

Job ID  
REQ-10020902

Sep 03, 2024

USA

## Summary

Novartis BioMedical Research is seeking a candidate for a full-time role in the Cambridge Compound Management team, focusing on sample prep and logistics to support our research platform. The role involves managing chemical compounds using automated systems including liquid handlers, preparing stock solutions, archiving materials, executing sample requests, developing processing protocols to accommodate scientific needs, coordinating global sample distribution, and maintaining thorough records and reports. This is an on-site position.

## About the Role

Internal Job Title: Senior Scientist I

Position Location: Cambridge, MA, onsite

About the role:

Novartis BioMedical Research is seeking a candidate for a full-time role in the Cambridge Compound Management team, focusing on sample prep and logistics to support our research platform. The role involves managing chemical compounds using automated systems including liquid handlers, preparing stock solutions, archiving materials, executing sample requests, developing processing protocols to accommodate scientific needs, coordinating global sample distribution, and maintaining thorough records and reports.

Your responsibilities include, but are not limited to:

- Working alongside colleagues in the Sample Management team to execute various tasks. These tasks encompass fulfilling sample plating requests using an integrated Tecan Liquid Handler, large scale automation platforms (HighRes Biosolutions, Azenta), robotics (ABB FlexPicker, EPSOM, Denso) as well as other plating/sorting modules i.e.. Felix, BioMicroLab XL20, etc.
- Overseeing sample logistics—of both powdered and liquid samples transferring both to or from internal and external sources, as well as organizing the placement of sample containers into various storage areas. It's crucial to ensure that all agreed-upon service levels are met consistently and to collaborate with scientific personnel to fulfill their needs.
- Establish, monitor and maintain a stable and productive automation environment through QC and preventative maintenance, equipment calibration, troubleshoot, management of reagents and consumable inventories.
- Work effectively with multi-disciplinary groups and individuals to implement solutions that reflect operational efficiencies in terms of throughput, delivery, costs, as well as health, safety and environmental considerations.
- Must be self-motivated with the ability to multitask.
- Must be able to work independently and in team situations.

Essential Qualifications:

- BS or MS in chemistry, biology, bioengineering, or a related life-science/engineering discipline. Must be adept at understanding the properties of small molecular compounds, including their chemical structure, solubility, and responses to external conditions, alongside knowledge of hazardous materials.
- Requires 4+ years of experience in operating and maintaining medium to large-scale automated liquid handling systems, with the ability to write advance scripts on these systems. Familiarity with Tecan, BioMicroLab, SPT Labtech, Agilent, Labcyte Echo, CyBio Felix, and Azenta platforms.
- The candidate should demonstrate a comprehensive understanding of compound management operations, which includes inventory management, solution preparation, quality control, and logistics handling.
- Strong organizational skills, along with proficient written and verbal communication abilities, are essential for effective interaction with scientific staff, customers, key stakeholders, and vendors. The candidate should possess a keen interest and capability to learn how to use other specialized automated systems within our labs.
- Proficiency in managing lab robotics and efficiently troubleshooting technical issues is critical, as well as strong interpersonal and communication skills.
- Experience collaborating with engineers and scientists to develop new automation platforms is advantageous.

## Desirable Qualifications:

- Experience designing, building and deploying automated laboratory workflows in life sciences or clinical laboratories. Project management experience is a plus.
- Basic understanding of C# or Visual Basic

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U175 (FCRS = US175) Novartis Institutes for BioMedical Research, Inc.

Functional Area  
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Job Type  
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Shift Work  
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