

Senior Automation Engineer – Laboratory Automation

Job ID
REQ-10044636
Mar 20, 2025
USA

Summary

The Senior Automation Engineer I will be responsible for implementing and maintaining large and complex laboratory robotics within the Compound Management group. The work will be hands-on and will require a broad range of engineering disciplines including project management, troubleshooting electrical and mechanical parts, develop protocols, liquid handling, and provide operating system validation/verification. Our focus is to design, build, maintain and improve storage systems and liquid handling systems for Compound Management.

About the Role

Internal Job Title: Senior Automation Engineer

Location: Cambridge, MA, onsite

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Your key responsibilities include, but not limited to:

- Working with Sample Management teams to support automation to deliver compounds to scientists globally and adapt and implement cutting edge technologies.
- Act as project manager for small and large scale automation projects. The successful candidate will manage, plan, develop, and execute laboratory automation projects from start-up to completion.
- Basic understanding of system scheduling software, databases, and script programming.
- 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.
- Establish, monitor and maintain a stable and productive automation environment through QC and preventative maintenance.
- Assist in the development of SOP's, maintenance manuals, start-up procedures, etc. and provide training to users of equipment.

- Must be self-motivated with the ability to multitask and effectively manage timelines.
- Must be able to work independently and in team situations.

Essential Requirements:

- B.S. in mechanical, electrical or bioengineering, or similar engineering discipline.
- 3-5 years' experience using, maintaining and implementing automated systems.
- Experience designing, building and deploying automated laboratory workflows in life sciences or clinical laboratories.
- Strong organizational, written, and verbal communications skills required to interact effectively between scientific staff, customers, key stakeholders, and vendors.
- Strong computer skills and IT oriented.
- Strong troubleshooting and problem-solving skills.
- Experience working with laboratory automation, high throughput assays, and cell culture.

Desirable requirements:

- Familiarity with the following systems and associated software: HighRes BioSolutions (Staubli/Denso/Precise) robotic platforms, Hamilton, Tecan EVO, Agilent benchtop equipment, Beckman Echo, Biosero/Green Button Go robotic platforms, Thermo Momentum, etc.
- Experience working with engineers and scientists to develop new automated platforms.

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Division

Biomedical Research

Business Unit

Pharma Research

Location

USA

State

Massachusetts

Site

Cambridge (USA)

Company / Legal Entity

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

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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