

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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Novartis Compensation and Benefit Summary: The pay range for this position at commencement of employment is expected to be between \$85,400 to \$158,600/year; however, while salary ranges are effective from 1/1/25 through 12/31/25, fluctuations in the job market may necessitate adjustments to pay ranges during this period. Further, final pay determinations will depend on various factors, including, but not limited to geographical location, experience level, knowledge, skills, and abilities. The total compensation package for this position may also include other elements, including a sign-on bonus, restricted stock units, and discretionary awards in addition to a full range of medical, financial, and/or other benefits (including 401(k) eligibility and various paid time off benefits, such as vacation, sick time, and parental leave), dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment. If hired, employee will be in an "at-will position" and the Company reserves the right to modify base salary (as well as any other discretionary payment or compensation program) at any time, including for reasons related to individual performance, Company or individual department/team performance, and market factors.

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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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