

## **Sr. Process Engineer**

Predicine Inc., Hayward, California

### **Who We Are**

Predicine Inc. is a Silicon Valley-based biotech startup company focusing on precision diagnostics and medicine in cancer and other serious illnesses. We aim to provide innovative non-invasive diagnostic tests to enable precision medicine. Please take this opportunity to learn about Predicine, where we believe that people are our most important asset and are dedicated to creating a great place to work. At Predicine, we value a culture of creativity, integrity, responsibility, productivity, and teamwork. We invite people who share the same values to join us.

### **The Position**

The Sr. Automation Engineer contributes to the development and implementation of automation systems and workflows to support the processing of samples in a regulated laboratory environment. You will work with laboratory scientists and LIMS engineers focused on the generation of next-generation sequencing data to characterize genetic alterations and biomarkers in DNA and RNA. You will wear multiple hats and support the development of all parts of a state of the art robotics facility. You will conceptualize, design, develop, and implement solutions designed to optimize the performance and increase the efficiencies of the laboratory processes. With your leadership and technical skills, together we will build and maintain fully automated laboratory workflows for robust personalized assay results.

Principal responsibilities of this position include:

- Define, acquire and implement automation platform solutions to full NGS workflow in a CLIA-regulated environment.
- Analyze workflows, identify bottlenecks, and develop solutions to improve efficiency, throughput, cost, and quality.
- Program robotic liquid handling workstations and integrated robotic systems.
- Preparing the documentation for equipment validation and operating procedures, and ensure successful implementation in the labs.
- Collect and report on data pertaining platform reliability and instrument downtime. Monitor instrument performance and suggest efficiency improvements.
- Lead maintenance, metrology and calibration efforts for the laboratory, including planned and unplanned maintenance.
- Conform to CLIA, CAP and appropriate Regulatory Guidelines.
- Support automation needs for R&D teams as needed.
- Additional responsibilities include user training, troubleshooting, and on-going support for the end-users.

## Who You Are

In adding new members to our team, we look for people who are also inspired by our mission and who would fit in well with the collaborative, rigorous and entrepreneurial spirit of the company culture. Because we know that people are critical to our success in bringing precision diagnostics and medicines to patients, we are dedicated to creating a great place to work and to providing people with programs, services and benefits that allow them to bring the best to the business and to their personal and professional growth.

## Qualifications/Experience

- 5 to 8 years of relevant experience.
- BS or MS degree in Biomedical engineering or closely related scientific field with Technical proficiency and experience in automation and systems development and integration for the life science industry. Experience computer programming is highly desired.
- Strong project management skills, organizational skills, and written and verbal communication skills are required.
- Experience with operating and programming liquid handling robotics platforms (Hamilton, TECAN, Beckman, Agilent).
- Experience Preparing User Requirement and Testing Procedure, Standard Operating Procedures, and related documentations; and overseeing the functional and validation testing, IQ/OQ/PQ.
- Experience translating manual assays into high throughput automated methods.
- Flexibility and self-initiative required to support several simultaneous automation projects.
- Biotech, pharmaceutical, Lab automation providers, or clinical-laboratory experience is highly desirable.
- Familiarity with LIMS and software integration.
- Demonstrated ability to work effectively as part of a cross functional team.

This is an exciting opportunity to participate in, and to enable, our vision of transforming healthcare through development of innovative technologies. If you are looking for opportunities to make a positive and immediate impact on the society, please submit cover letter and resume to: [contact@predicine.com](mailto:contact@predicine.com). Predicine is an Equal Opportunity Employer.