

Sr. Lead Microfluidic Engineer

ALine is a recognized leader in the science and engineering of Microfluidics-based products. We enable our customers to get to market quickly with next generation diagnostic products for health, environmental, and food monitoring. We are looking for an **interdisciplinary scientist or engineer with experience in microfluidics**. The ideal candidate will enjoy the challenge of solving customer-focused problems and be results-oriented, and a practical problem solver with **experience in immuno- or molecular assay development in microfluidic devices**. At ALine, you will find great satisfaction working on a variety of customer applications with our team of experts who understand how to make scientific and engineering solutions practical for commercial products. ALine believes that delivering high quality science and engineering efficiently and effectively is our key differentiator and the highest value we bring to our customers. Engaging in a variety of scientific and engineering problems in microfluidic product development ensures our highly skilled team continues to build on their expertise, engaging in continuous learning to create microfluidic solutions for real-world products.

As a Sr. Lead Microfluidic Engineer you will be responsible for:

- Leading engineering programs for product development through the complete program cycle, including:
 - Support sales by planning engineering efforts and writing engineering proposals. This includes interacting with customers to understand requirements and suggest an effective development path.
 - Concept generation based requirements, leveraging expertise in microfluidics and assay implementation.
 - Plan and managing program activities, including overseeing device design and experimental characterization.
 - Document project results and outcomes. Leverage ISO13485, PMP and FDA requirements to enhance our deliverable to customers on engineering programs.
 - Manage engineering programs, including budget and timeline.
 - Ensure consistent and accurate record keeping and regular reporting to customers and internally.
 - Generate concepts, with understanding of fabrication and assembly processes that effectively meets functional requirements with attention to scale for manufacture.
 - Plan and oversee device characterization, including design of experiments and reporting.
- Support internal R&D programs for process and product development:
 - Manage R&D programs (planning, execution and reporting), with the goal to develop new capabilities, processes and products.
 - Identify opportunities for patent applications and publication of the results.
 - Write technical articles to support ALine's marketing efforts and participate in scientific conferences to present posters or oral presentations.

Education and Qualifications:

- MS with 5 years of experience or PhD in chemistry/chemical engineering/biomedical engineering/physics or other microfluidic related fields required.
- Hands on experience in microfluidic device development in which an assay is successfully demonstrated.
- Experience in designing, prototyping and testing microfluidic devices is required, experience with implementation of biological assay (Immunoassays or nucleic acid based) in microfluidic platforms.
- Experience in process development and material selection for microfluidic devices is required, experience with injection molding or other high volume manufacturing processes is preferred.
- Strong communication skills required (oral, written, presentation)
- Ability to work as part of a team and as an individual contributor is required
- Ability to manage multiple projects in parallel and prioritize activity based on programmatic priorities, while effectively managing time and resources is required.

We offer a competitive total compensation package that includes medical, dental, vision, life insurance, long-term disability, vacation and sick time, 15 paid holidays, corporate profit sharing and a 401(k) plan with 4% company match. Come be part of a growing company with an innovative work environment that encourages skilled, highly motivated professionals to put their ideas to work in developing and supporting Microfluidics-based products.

Please forward your resume with salary requirements to resume@alineinc.com. ALine, Inc. is an Equal Opportunity Employer. Applicants must be currently authorized to work in the US on a full-time basis.