


OPEN POSITIONS



Microfluidics Engineer

Photon Biosciences
Spokane, Washington

At Photon Biosciences we are building a dynamic work environment that brings together the best talent from engineering, science, technology, and business. Our culture is collaborative and inclusive. We embrace intellectual curiosity and encourage creative thinking to solve tough, real world problems.

Our core technology is a new ultrasensitive detection platform that combines bioengineered proteins with a unique *in vivo* biomineralization process that results in a number of different genetically expressible luminescent bionanoparticles that are non-bleaching and non-blinking with luminescence intensities that rivals and surpasses many fluorescent organic molecules. Because of its unique photophysical properties, PBS® has been developed into new ultrasensitive probes for biomolecular research, detection technologies, and cellular imaging. Photon Biosciences is developing its flagship diagnostic platform (PBSDx™) centered around our core technology complemented with advanced AI/ML and optics. We offer competitive salaries, great benefits, and a one-of-a-kind environment that is both fun and intellectually challenging.

Photon Biosciences is hiring a distinctive individual to be a Microfluidics Engineer on our Product Development team. This team's work is a marriage of engineering, science, technology, and business. These individuals will develop and manage Photon Bioscience's next line of products using our core technology.

The Microfluidics Engineer must bring creativity, perseverance, and energy to identify and execute on new product development opportunities. Photon Biosciences is an early stage fast-growing company and, as such, the nature of the role is likely to change and expand. The interdisciplinary nature of our work means that diverse skills, experiences, and perspectives are essential to our success.

Job Summary

The candidate will develop, optimize, and execute microfluidic based "lab on chip" diagnostic devices for Photon's PBSDx™ diagnostic platform. The successful candidate will work as part of a multidisciplinary team of scientists, engineers, and manufacturing experts to design and build integrated microfluidic devices for Photon's PBSDx™ diagnostic platform for medical diagnostics.

Essential Functions

- Serve as a key member of a multidisciplinary team responsible for developing a next generation microfluidics manufacturing capabilities and workflows to serve the medical diagnostic microfluidic device market
- Collaborate with the internal and external engineering teams to develop cost effective, efficient manufacturing process flows during product development phases including designing for injection molding and designing for manufacture
- Research latest trends and develop recommendations for investments in manufacturing equipment technology to extend and diversify Photon Biosciences product development and manufacturing capabilities
- Represent the company as a subject matter expert helping to increase Photon's market presence via an existing strong network of diagnostic industry engineering professionals and through participation in key industry tradeshow and similar events
- Monitor industry trends and regularly communicate and recommend strategic changes the company may consider based upon these trends

Qualifications and Education Requirements

- Bachelor's or Master's in mechanical/electrical/chemical engineering, biomedical engineering, or a related discipline
- Industry work experience in microfluidic device development and/or manufacture is a plus
- Knowledge of the medical diagnostic consumable device manufacturing industry
- Proven track record of contributing to consistent accurate results in a teamwork environment
- Specific knowledge of current commonly used microfluidic device manufacturing processes and techniques, as well as familiarity with related manufacturing equipment vendors
- Understanding of wide range of manufacturing processes and equipment types
- 3D CAD (e.g. SolidWorks) experience
- Capable of contributing to teamwork and able to thrive in a fast paced highly collaborative environment
- Strong verbal and written skills
- Track record of good teamwork and clear communications to achieve results

Preferred Skills

- Ideally have worked in a small company/start up environment with successful track record of new products/services introductions in a dynamic market environment
- Previous experience in the medical device and diagnostic industry

Additional Eligibility Qualifications

- Ability to work both as an individual contributor and as a key member of the team

- Comfortable working within a small and rapidly growing startup
- Comfortable managing numerous projects simultaneously and independently defining priorities based on division goals
- Work behavior style that is assertive but openminded, approachable, and collaborative

If you don't see the perfect match listed in our open positions or just want to explore, please reach out to us at hire@photonbiosciences.com Unfortunately, due to the number of applicants, we are not able to respond to those who call our office.

We consider staffing agencies to be valued partners in Photon Bioscience's recruiting process. To ensure successful collaboration with our recruiting partners, we have an established process for working with external recruiters and ask all agencies and individuals to follow the appropriate channels when working with us.

Submission of unsolicited resumes or candidate details in advance of a signed agreement between Photon Biosciences and a recruiting agency does not create any obligation (including any implied obligation) on the part of Photon Biosciences, and upon receipt of any such unsolicited submission Photon Biosciences reserves the right, in its sole discretion, to contact any such candidates directly and will not be liable for, or be deemed to have incurred or agreed to payment of, any placement or other fees or commissions.

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