Lead Engineer, Product Development

Nanopath is a well-funded Series A-stage company working to develop a first-in-class *in vitro* diagnostics platform to revolutionize the way we diagnose disease. Nanopath works to disrupt traditional molecular testing methodologies by bringing them closer to the patient. We aim to improve the lives of patients, starting with women, using our purpose-built tool that provides actionable information within a single office visit.

The company was spun out from Dartmouth College and is now based at LabCentral, the premier life science incubator in the Kendall Square ecosystem. As a company, we are committed to health equity and the design of solutions for underserved populations and low-resource settings. Corporate sustainability – both environmental and social - is at the forefront of our decision making.

Role
- Lead design and optimization of Nanopath's consumable and readout instrumentation
- Design and integrate fluidics component of assay for clinical sample processing
- Iterate biosensor, cartridge, and readout instrument design as we take the product through clinical trials and regulatory submissions
- Work with top-tier product development contractor to validate assay compatibility with benchtop readout instrumentation
- Remain at cutting-edge of the molecular diagnostics field
- Work to define product vision, represent company at top-tier academic conferences

Technical Qualifications
- Demonstrated expertise in the design, fabrication and testing of microfluidic and/or lab-on-a-chip systems.
- Experience in micro and nano-scale fabrication processes, design-for-manufacture and/or human centered design
- Experience with simulation tools to understand and enhance light-matter interactions and microfluidic design, including heat and flow control
- Experience working in biological laboratories with a comprehensive knowledge of wet lab instrumentation & equipment
- Comfortable with design of optical readout instrumentation, including optical alignment and component selection

General Qualifications
- M.S. or Ph.D. in engineering preferred
- Excellent communication and presentation skills, highly organized with demonstrated curiosity, scientific rigor and creative problem-solving
- Proactive self-starter with eagerness to adapt to a fast-paced, dynamic startup environment
- Passion for technology translation and willingness to shape Nanopath's mission

How to apply: Apply at https://boards.greenhouse.io/nanopathinc
Location: Cambridge, MA