

Senior Scientist, Sensor Innovation

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.

About the Role

- Improve signal-to-noise of novel, state-of-the-art molecular sensor through optimization of measurement, nanosensor, testing conditions, and data processing
- Lead design and development of customer-facing clinical instrumentation to be compatible with Nanopath's proprietary assay
- Work directly with company leadership to define product vision
- Remain at cutting-edge of the physics-bioengineering interface through careful theoretical study

Preferred Technical Qualifications

- Expertise in design of optical readout instrumentation and measurement science
- Understanding of micro- and nano- scale fabrication methodologies, including cleanroom protocols and wafer-scale manufacturing
- Experience with simulation tools to understand and enhance light-matter interactions
- Demonstrated experience integrating optical, electrical & mechanical components
- Experience in design-for-manufacture and/or human centered design
- Experience with ML/deep learning algorithms and/or ability to analyze and integrate complex data sets
- Comfort working in biological laboratories with a basic knowledge of wet lab instrumentation & equipment

General Qualifications

- M.S. or Ph.D. in Engineering/Physics plus 1-5 years industry experience
- 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 future

How to apply: Apply at <https://boards.greenhouse.io/nanopathinc>

Location: Cambridge, MA

Nanopath Inc. is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.

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