

Research Engineer, 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

- Conduct experiments to assist with improving signal-to-noise of novel, state-of-the-art molecular sensor
- Perform bench work to optimize measurement conditions, sensor form-factor, and data processing
- Contribute to design and development of customer-facing clinical instrumentation to be compatible with Nanopath's proprietary assay
- Remain at cutting-edge of the biosensing field

Preferred Technical Qualifications

- Understanding of biosensors, including optical measurements (i.e. fluorescence, spectroscopy)
- Familiarity with rapid prototyping and microelectronics
- Demonstrated experience integrating optical, electrical & mechanical components
- Comfort with basic data analysis methodologies (i.e. MATLAB, R, etc)
- Comfort working in biological laboratories with a knowledge of wet lab instrumentation & equipment
- Demonstrated competency in conducting experiments and implementing experimental plan

General Qualifications

- B.S. or B.E. in Engineering/Physics or related field plus 0-2 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.