

Senior Scientist, Clinical & Molecular Biology

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 reagent selection & design, *in vitro* testing, and clinical testing of Nanopath's proprietary assay
- Iterate assay design through benchtop study to improve sensitivity & specificity and minimize required user handling steps
- Work directly with founders to identify key molecular biomarkers for targeting clinical indications
- Work with top-tier clinical and regulatory contractors to design clinical studies and lead clinical sample testing and benchmarking
- Remain at cutting-edge of the clinical microbiology and molecular biology by interfacing with KOLs and representing Nanopath at international scientific conferences

Technical Qualifications

- Deep expertise in clinical microbiology, molecular biology, and molecular diagnostics
- Skilled in operation and validation of state-of-the-art molecular diagnostic technologies in addition to culture-based diagnostic methods
- Experience in clinical study design, data processing, and bioinformatics
- Demonstrated experience in laboratory-developed assay design & validation
- Comfortable handling & processing a range of human biofluid samples
- Experienced in cell culture, flow cytometry, PCR, etc.

General Qualifications

- Ph.D. in Biological Sciences/Engineering 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.