Be part of a dynamic team that is developing and commercializing nanotechnology to enable the routine, accurate, and cost-effective analysis of genomic structural variation. This technology supports our mission to explore and elucidate the white space of genomic structure information that represents the genetic underpinnings of disease and link to improvements in diagnosis and treatments for patients.

Nabsys is the pioneer in high-definition electronic genome mapping. Headquartered in Providence, RI, Nabsys uses proprietary electronic nano-detectors to analyze long DNA molecules traveling at high velocity. Our first-generation instrument and consumables have been shipping to customers for a year. We are currently scaling this proven technology to substantially reduce cost and time-to-answer, on our way to making human genomic structural information available to every laboratory.

Position: Application Scientist

Nature of Role: Reporting to the Chief Scientific Officer, this role works closely with Nabsys R&D and product development teams to execute research projects to demonstrate the utility of high-definition electronic genome mapping in human health and disease. You will be responsible for building application and technical notes for Nabsys products, and support customer research needs. The successful candidate must have a background in related fields and the enthusiasm to work as a member of a multi-disciplinary team in a fast-paced, entrepreneurial, environment. This is a phenomenal opportunity for a visionary to support the launch of a next generation genome mapping platform and make a significant impact on the course of genomic analysis.

Responsibilities:

- Lead and execute research projects to demonstrate utility of electronic whole genome mapping across different customer segments
- Optimize protocols and generate supporting data, analysis, and reporting for key stakeholders.
- Work with product management and marketing teams to develop content to demonstrate capabilities of Nabsys products
- Prepare launch materials; application notes, pre-sales presentations, training guides, on-site training, and troubleshooting workflows
- Support product development through creation and execution of application-driven verification and validation activities
- Contribute to marketing and application strategy by building application and technical notes
- Collaborate with customer and technical service functions to facilitate and participate in troubleshooting to support our customers
- Support customer research needs for different application areas
- Engage with new and existing customers to education, support, and train them on Nabsys products
- In pre-sales environments, conduct seminars to education and scientifically collaborate with customers to support the purchase of an instrument or through partnership with an institutional/regional core laboratory
- In post-sales environments, train new customers and scientifically partner with clients to increase product adoption and usage
- Contribute to the company's intellectual property portfolio by documenting results
- Participate in instrument sales training sessions and assist with customer product demonstrations
- Full time position at our Providence, Rhode Island based headquarters with some travel to support customers both domestic and international

Requirements:

- PhD degree in relevant field required with 4+ years of hands on experience working in a wet lab with in-situ molecular biology protocols. Genomics core experience is a plus
- Exposure to nucleic acid extraction and sequencing library preparation
- Demonstrate knowledge in the use of genomic sequencing technologies
- Exposure to FISH, microarray, karyotyping, and genome mapping a plus
- Experience with laboratory developed tests and CLIA environment a plus
- Track record of quality work through publications