

Job Title: Reference #:	Staff Scientist, Cancer Genomics RES018
Overview	<p>Boreal Genomics invites applications from outstanding MD- or PhD-level scientists for the position of Staff Scientist, Cancer Genomics. We are seeking an experienced, creative and independent scientist with a strong background in cancer genomics research. The Staff Scientist will work in close proximity to clinical thought leaders in the development of a revolutionary technology for detection and monitoring of cancer related nucleic acid mutations. The candidate will apply the SCODA sequence enrichment technology to enrichment and detection of rare tumor mutations in blood and tissue to perform research in early cancer detection and monitoring.</p> <p>SCODA is a novel non-linear electrophoresis technology commercialized by Boreal in application fields ranging from life science research to clinical, bio defense and forensics. The SCODA technology, developed at University of British Columbia, is capable of unprecedented enrichment of nucleic acids, with a demonstrated ability to enrich for point mutations against background by 10,000 fold without PCR amplification. Boreal plans to expand commercialization of this technology into oncology related molecular diagnostics, and the successful candidate is expected to lead the clinical development and validation of this application.</p>
Job Description	<p>The Staff Scientist will drive clinical research and development efforts to implement and validate SCODA enrichment technology in a Next Gen Sequencing work flow to detect rare tumor alleles from clinical samples. This individual will work closely with the San Francisco Bay area, CA, USA based Boreal office and with the Vancouver, Canada based Boreal R&D team to direct SCODA development toward success in clinical applications. The individual is expected to work closely with SF Bay Area collaborators, and to spend the majority of his/her time in collaborator facilities. The successful candidate is expected to represent Boreal at scientific meetings, and to aggressively pursue publication of novel research results.</p> <p>Reporting to Boreal's Chief Scientific Officer, and working closely with Boreal's CEO, the Staff Scientist will contribute to strategic and tactical planning, product development activities, and analysis of markets and competition. Strong communication skills will be required to develop relationships with research partners and thought leaders.</p>
Position Summary	<ul style="list-style-type: none"> • Perform research at collaborator site(s) to lead implementation and clinical validation of SCODA technology in oncology applications. • Develop sample processing workflows from clinical samples through SCODA enrichment to sequencing or PCR based detection. • Develop innovative solutions and intellectual property in biomolecule

<p>Qualifications</p>	<p>extraction, enrichment, and analysis methods.</p> <ul style="list-style-type: none"> • Work with Boreal’s management and marketing staff to evaluate oncology opportunities and to help validate company strategy. • Work with Boreal’s talented engineering and research teams to refine specifications and capability of the enrichment technology to address needs in oncology. • Develop assays and measurement tools for evaluation of SCODA-based method and instrument performance and for comparison to standard methods. • Contribute to the development of new intellectual property, preparation of new patent applications, review of published patents, and prior art searches. <ul style="list-style-type: none"> • Ph.D. or M.D/Ph.D. degree with at least 2 years post-graduate experience in sequencing or PCR based analysis and detection of cancers. • Exceptional scientific knowledge and skills • Exceptional organizational, communication, and interpersonal skills. • An established track record of scientific publication, innovation, and communication.
<p>About our Company</p>	<p>Boreal Genomics is a fast-paced and rapidly growing startup company spun out of the Physics Department at the University of British Columbia in 2007. Now headquartered in the SF Bay Area, Boreal is developing an exciting technology toward molecular diagnostic applications in oncology and infectious disease. We have a team of highly skilled physicists, engineers, molecular biologists and technicians working in close collaboration on rapid technology and product development, coupled with world-class management and Board of Directors. The Company has recently completed its first institutional venture financing with leading Venture Capital groups including Arch Ventures and Kearny Venture Partners. This is your opportunity to join a growing and ambitious team at the leading edge of the company’s expansion into diagnostics.</p> <p>Boreal’s headquarters are located in the SF Bay Area, near Stanford University. Boreal’s R&D facilities are situated in a privately owned building on the beautiful UBC campus in Vancouver, Canada. Boreal has access to a wide range of facilities, resources and expertise through its connections to UBC and Stanford, and strong ties to the life sciences community in British Columbia and Bay Area. We offer an open and friendly working environment, competitive benefits, and a commitment to professional growth and development.</p>
<p>Response Information</p>	<p>Send softcopy resume and cover letter in Word or PDF format to hr@borealgenomics.com. Please include above reference number.</p>