

Summary

DNA Genotek, a wholly-owned subsidiary of OraSure Technologies Inc., is a Canadian biotech company that has become the recognized world leader in nucleic acid collection products and services. Our success is based on the strong relationships we've built with our customers and the exceptional talent of our employees. We pride ourselves on offering a fun, positive, and high-performance environment that supports the continued growth and development of all employees.

We are seeking an experienced Scientist within a newly formed metabolomics-focused group. While working in a strong and well-developed R&D team setting in Ottawa, Canada; this position will entail generating scientifically valid data supporting current and creating novel products while working in a team setting. In addition, this individual shall have a keen interest in seeking out new and innovative approaches to complex problems.

We seek an individual with considerable experience in wet and dry lab chemistry and/or biochemistry work, with a focus on human and microbial metabolomics. Additional skills and knowledge pertaining to microbiome research are desired.

Responsibilities:

- Carry out hands-on lab research in emerging genomic and microbiome-related areas within the company
- Establish internal wet lab capabilities for metabolomics workflows
- Assist in analyzing internally and externally generated metabolomic datasets
- Develop and establish new laboratory techniques, prepare written protocols and formal reports
- Develop and apply QC methods at various stages of metabolomics workflows
- Provide objective analysis of results, critical thinking, and troubleshooting to ensure the timely execution and progression of multiple projects
- Effectively communicate ideas, results, and recommendations at all levels of the company
- Assist in the preparation of peer-reviewed scientific papers, white papers, and technical notes
- Design and execute experimental plans in an independent and team setting

Education:

- Ph.D. or postdoc in Chemistry, Analytical Chemistry, or Biochemistry with ≥ 3 years relevant experience. Education in other areas of science could be considered based on relevant job experience and training.

Experience:

- Strong understanding of qualitative and quantitative small molecule analytical workflows (e.g. targeted and global metabolomics, lipidomics)
- Hands-on experience in preparation of samples for Metabolomics analyses:
- Sample extraction, fractionation, and clean-up of biological samples (tissue, plasma, urine, sub-cellular fractions), and/or chemical derivatization
- Hands-on experience in the processing of samples on analytical instruments for metabolomics research (e.g. LC-MS/MS), as well as, experience with MRM/SRM and DIA/DDA
- Expertise in processing and interpreting spectral data generated through multivariate statistical software, database searching, and metabolite identification (ex. MetIDQ, MetaboAnalyst, Cytoscape)
- Demonstrated scientific productivity through peer-reviewed publications, patents, and/or oral presentations
- Experience in assay and/or pipeline development for small molecular applications is desired
- Knowledge and experience working with the microbiome and/or microbiology related samples is considered an asset
- Supervisory experience would be considered an asset.

At DNA Genotek, we are committed to building and preserving an accessible, welcoming, supportive, fair, and inclusive environment. Accommodations are available to support prospective employees during the recruitment and hiring process. Should you require any accommodations, please advise us in advance so that we can work with you to find suitable accommodation.