Molecular Assay Development Scientist

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Professional and Managerial Group

Molecular Assay Development Scientist

Molecular Biology, Agriculture and Food Laboratory
Laboratory Services Division

Hiring #: 2019-0127

Please read the Application Instructions before applying

Join our team within the Laboratory Services Division, Molecular Biology Laboratory. Using your scientific expertise as a professional scientist with in-depth experience in molecular methods, you will be part of a team providing comprehensive and complex molecular testing services to academic, government and industry clients from agriculture, agri-food and other sectors. With responsibility for molecular assay development, validation and implementation and non-routine services, you will take a lead role in the establishment of new and improved molecular methods and services to meet ever-changing needs of academic and government researchers and industry professionals. You will also develop and continuously improve molecular methods via applying and obtaining external research grants. You will be accountable for ensuring full satisfaction of clients by: providing expert level recommendations in molecular methods; applying scientifically sound approaches; completing projects according to required timelines; providing accurate and cost-effective analytical results and sound scientific interpretations; generating publication quality reports; establishing and adhering to appropriate QA/QC standards; and successfully maintaining ISO accreditation.

Requirements of the position include: Ph.D. in Molecular Biology, or a related discipline, combined with relevant laboratory and research experience in molecular methods encompassing: microbial detection, identification, typing, quantification, genome sequencing and profiling; plant/animal/fish species identification, quantification and profiling; plant variety/cultivar identification, GMO testing; food safety and food fraud investigations; animal genetic disease/trait gene screening; and generic molecular analyses, such as Sanger DNA sequencing, next generation sequencing, DNA synthesis, DNA fingerprinting, and advanced PCR technologies. Other experiences include (but not limited to): proven experience conducting molecular method development, evaluation and implementation within a diagnostic lab environment; track record and solid writing skills of scientific publications and research grants; exceptional organizational and project management strengths to manage multiple projects simultaneously within an ISO-accredited laboratory to meet dynamic needs of clients and tight deadlines; strong communication, networking and leadership skills to effectively present and implement new initiatives to a diverse client base, academic and professional audience, peers and others; demonstrated analytical skills and creativity to assess client needs, and arrive at effective solutions to solve complex analytical problems; strong working experience using bioinformatics, statistical and instrument software programs.

Position Number 485-069
Classification P07*

Professional/Managerial Salary Bands [2]

*Tentative evaluation; subject to committee review.

At the University of Guelph, fostering a culture of inclusion [3] is an institutional imperative. The University invites and encourages applications from all qualified individuals, including from groups that are traditionally underrepresented in employment, who may contribute to further diversification of our Institution.