Lead Research and Development Technician

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Position covered by the Collective Agreement with USW Local 4120

Lead Research and Development Technician
Chemistry Research and Development, Laboratory Services Division

Hiring #: 2018-0511

Please read the Application Instructions [1] before applying

The Chemistry Research and Development (CRD) section provides de novo method development, validation and installation of trace residue chemistry methods intended for use in research and/or client based analyses. The Lead Research and Development Technician is pivotal in ensuring a smooth transition from the section’s visions and initiatives, to experimental design, execution at the bench, through to, report writing and communication. In addition, the successful incumbent will: competently execute all aspects of bench chemistry for trace residue analysis (e.g., liquid:solid, liquid:liquid, solid phase extraction, solid phase microextraction), and instrumentation (e.g., GC and LC coupled to various detectors including mass spectrometric such as quadrupole, tandem quadrupole, quadrupole time of flight, or other high resolution accurate mass systems); design experiments for variables, statistical analysis of data, data reduction, intermediate to advanced theory and practice of instrumentation, including chromatography and advanced detectors; carry out novel/non-routine chemistry method development, from simple modifications of existing methods to developing/installing complex approaches and novel methods for the purpose of identification and quantitation of pesticides, antibiotics, mycotoxins, veterinary drugs and related compounds in a wide variety of matrices including foods of animal origin (e.g., meat tissue, fish, milk), and foods of plant origin, (e.g., fruits and vegetables, food and feed for humans and animals), or other important matrices including water, air, soil, and honey; maintain the rigorous method development initiatives of the Division to provide regulatory and client-based support. The Lead Research and Development Technician is also responsible for coordinating the day-to-day workflow in the lab, providing functional guidance to technical staff, assigning and checking work of part-time/student staff, and ensuring all aspects of planned experiments are followed.

Requirements of this position include: University undergraduate degree with a Major in Analytical Chemistry and several years related experience, or an equivalent combination of education and experience. Experimental design and execution experience, in a chemistry research/method development laboratory is required. Additional requirements include: strong background in theory and practice of analytical chemistry in developing non-routine methods, while considering cost of analysis; a clear understanding of rules of analytical chemistry, organic chemistry, thermodynamics, physical chemistry, environmental chemistry, biochemistry and pharmacology; demonstrated competency in a wide range of analytical chemistry research capabilities; familiarity assisting with the authorship, or co-authorship in peer reviewed journals, or equivalent; attended conferences or have input in data developed for conferences; proven ability to help decide on method directions based on data analysis, interpretation and analysis; skills using statistics; highly effective written and oral communication skills, to assist in training other CRD employees or others, when transferring developed methods to routine laboratory operations; strong leadership and supervision skills; proven ability to remain focused and on task while handling a wide range of variables; advanced troubleshooting skills; working knowledge of quality assurance and control protocols with demonstrated judgment of these; awareness of laboratory Health and Safety practices and WHMIS.

Position Number 488-014
Classification USW, Local 4120 Salary Band 6*
Salary Range $26.78 Minimum (Level 1) $29.92 Normal Hiring Limit (Level 3) $36.22 Job Rate (Level 7)
*Tentative evaluation; subject to committee review.

At the University of Guelph, fostering a [culture of inclusion](https://www.uoguelph.ca/diversity-human-rights/sites/uoguelph.ca.dhr/files/public/Inclusion%20Framework%20Endorsed%20April%202017.pdf) [2] 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.

Posting Date: 2018 10 09
Closing Date: 2018 10 16

Source URL: https://www.uoguelph.ca/hr/careers-guelph/current-opportunities/lead-research-and-development-technician

Links
[1] https://www.uoguelph.ca/hr/careers-guelph/how-apply