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Rondeau-Gagné Group
Materials Chemistry: Synthesis and Application
at the University of Windsor



Postdoctoral Researcher – Chromatography and Mass Spectrometry in Cannabis and Nutraceutical Formulations

Position Description: The group of Simon Rondeau-Gagné in the Department of Chemistry and Biochemistry at the University of Windsor, in collaboration with CannaLabs Sciences Inc., in London, ON, is seeking a highly motivated candidate with background in Analytical Chemistry and Mass Spectrometry for an immediate postdoctoral fellowship. The primary role of the successful candidate will be to develop and perform LC-MS/MS based methods to characterize small molecules, peptides, drug conjugates and particularly working in Cannabis matrixes and nutraceuticals. Qualitative and quantitative small molecule mass spectrometry experience and demonstrated expertise in analytical chemistry is required. An enthusiasm for teamwork and strong ability to work independently is essential. The position will be primarily based in London, ON.

Main responsibilities: Provide expert advice and be directly involved in all LC-MS/MS method development and validation projects, as well in all modifications to existing assays including data interpretation, troubleshooting and optimization of sample preparation, experimental design, and quality procedures for assays; Provide expertise in troubleshooting problems during routine operation of the LC-MS/MS and creates related Standard Operating Procedures (SOPs); Designs, performs, analyze and interpret experiments independently; Assist with manuscripts and technical reports writing as well as preparation of grant applications; Maintain an elevated level of productivity in the lab delivering routine tasks and new methods in a timely manner by individual contribution and coordination with others in the team.

Qualifications: PhD in an analytical chemistry, biochemistry, biophysics, cell biology, immunology, or similar with a minimum of 3 years of related experience in the pharmaceutical or biotechnology fields. Industry experience is preferred. Expertise in chromatography and mass spectrometry with strong understanding of alternative analytical characterization methods. Demonstrable experience in analytical method development and troubleshooting. Good organizational and time management skills and the ability to work effectively in a fast-paced, milestone-focused environment, while balancing activities across multiple projects. Proven interpersonal skills with the ability to work collaboratively as a member of cross-functional team

Research Environment: The research group of Prof. Simon Rondeau-Gagné at the University of Windsor focuses their research on the development and synthesis of new organic materials. Special emphasis is placed, throughout our research, on the development of new materials with improved properties such as stretching and self-healing. We are also particularly interested in developing new methodologies for designing more sustainable materials based on supramolecular chemistry and self-assembly.

The initial appointment will be for two years with possible extension. The position is open to start in February 2022. For information on the project and position, interested candidates are encouraged to contact Prof. Simon Rondeau-Gagné (srondeau@uwindsor.ca) or Dr. Liliana Santamaria (liliana@cannalabsinc.com). Please include a CV, brief description of research interests, and contact information for three professional references.

Institution: The University of Windsor is a comprehensive research and teaching institution with more than 15,500 students. We are a welcoming community committed to equity and diversity in our teaching, learning, and work environments. In pursuit of the University's Employment Equity Plan, members from the designated groups (Women, Aboriginal Peoples, Visible Minorities, Persons with Disabilities, and Sexual Minorities) are encouraged to apply and to self-identify. All qualified candidates are encouraged to apply.

Cannalabs: CannaLabs is a privately owned Health Canada Cannabis licensed analytical testing laboratory compliant with cGMP and in process of obtaining ISO 17025 established in 2019. Created to establish customer confidence in the cannabis industry, Cannalabs has expanded its strength in analytical testing across a larger platform. Nowadays, we have clients in the food and beverage industry, as well as in the pharmaceutical and natural products sector. The candidate will work actively with CannaLabs Sciences Inc in the method development for analysis of cannabis, pharma and nutraceuticals molecules.