

Postdoctoral position in Mass Spectrometry
Closing date – Open until filled

The Wishart lab group at the University of Alberta's Department of Biological Sciences is a world leader in metabolomic research. We are currently seeking a full-time post-doctoral fellow in mass spectrometry (MS). The successful candidate will have proven experience in analytical chemistry or a related field and should have experience in the MS. The incumbent will be responsible for development of metabolomics methods based on LC/MS, GC/MS and ICP/MS, analyzing and interpreting MS results, and writing manuscripts.

Dr. David Wishart is a Distinguished University Professor in the Department of Biological Sciences at the University of Alberta. He is a highly respected scientist who operates one of the largest and best-equipped laboratories at the University of Alberta. His research facilities are situated in the Department of Biological Sciences and the Centennial Centre for Interdisciplinary Sciences on the University of Alberta campus. Dr. Wishart's laboratories contain more than \$10 million in cutting-edge analytical equipment including more than a half dozen high-end mass spectrometers and a fully equipped 700 MHz NMR spectrometer with a 5 mm triple resonance cryoprobe and a SampleJet autosampler. Dr. Wishart has active research programs in precision health, cancer (lung, breast), infectious diseases (COVID-19), neurological diseases (Alzheimer's, ALS), kidney diseases, animal/livestock health, forestry research, microbiome research, food chemistry, structural biology, portable sensor systems and metabolomics technology development. He has active collaborations with more than 30 scientists around the world. Additional information about Dr. Wishart and his laboratory can be found on The Metabolomics Innovation Centre (TMIC) website at www.metabolomicscentre.ca

Duties

- Development of metabolomics methods based on LC/MS, GC/MS and ICP/MS
- Design, development and implementation of innovative mass spectrometry-based platform metabolomics kits and assays
- Coordination of R&D projects in metabolomics including Identifying and evaluating new technologies and product strategy, discovery and idea generation, scoping, developing, and testing objectives in consultation with the Principal Investigator and TMIC facility manager
- Conducting high quality research under the guidance of senior researchers
- Writing first drafts of manuscripts for publication in high impact journals

- Keeping current regarding the latest knowledge of international research trends and outcomes in relevant areas, and make significant contributions to the applications of fundamental knowledge
- Working with a high degree of independence following a research plan approved by the PI
- Preparing abstracts for conferences meetings and presents these research findings at meetings

Qualifications

- PhD in analytical chemistry and/or metabolomics
- Theoretical and practical knowledge of LC/MS, GC/MS and ICP/MS
- Working experience in mass spectrometry techniques, method development, instrumentation and maintenance
- Candidates will be expected to mentor others in data analysis methods, possess strong written and oral communication skills, and have solid organizational skills.
- Ability to write Standard Operation Procedures (SOPs) and other related documentation
- Demonstrated attention to details and problem-solving skills
- Self-starter and sensitive to project timelines
- Ability to work as part of a team

To Apply:

Please send inquiries and applications to Dr. Wishart administrative team at:
wishartadmin@mailman.srv.ualberta.ca.

Applications should include a cover letter, CV as well as the names and contact information of three references.

Closing date: We will begin considering applications immediately until the position is filled.

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

How to Apply

Email wishartadmin@mailman.srv.ualberta.ca.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens or permanent residents

cannot be found, other individuals will be considered. The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit persons; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.