POSTDOCTORAL POSITION IN
David Wishart's Lab

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 three postdoctoral researchers to work on a project developing quantitative colour-changing reactions for specific metabolites in urine. The goal of the project is to create a portable, inexpensive sensor system for detecting a range of metabolites in urine samples for cancer screening. Prior experience in analytical chemistry, biological chemistry, sensor design, or metabolomics would be an asset. This project will be funded using a Mitacs grant, meaning that the applicant will be working closely with an industry partner.

This project presents an exciting opportunity to work with a diverse range of experts in different fields, learn new skills, both in sciences and in business development. There will be opportunities to work with international collaborators, travel to other labs and businesses around the world to work together. There will also be opportunities to gain entrepreneurial skills in transitioning the sensor technology developed in the lab to a commercial product.

About the Wishart Lab:
The Wishart lab is equipped with more than $10 million worth of state-of-the-art equipment including a 700 MHz NMR spectrometer, 8 MS instruments (2 Orbitraps, 3 QTrap/QQQs, 1 QToF, ICP-MS, GC-MS), 9 HPLC and UPLC instruments, a variety of UV and fluorescent and multi-well scanner instruments, microscopes, extensive organic synthesis facilities, extensive molecular biology equipment (incubators, fermentors, PCR instruments, centrifuges), fabrication equipment/milling machines/3D printers, electrical and fluidic prototyping equipment and large scale (100s of CPU cores) computing facilities. The Wishart lab occupies an entire newly renovated floor (>10,000 sq ft) of the UofA Biological Sciences building. Dr. Wishart has a long history of creating successful spinoff companies and products through the involvement of his trainees. He currently has active research programs in metabolomics, analytical chemistry, proteomics, sensor development, cheminformatics/bioinformatics, machine learning and nanotechnology.

Applicants should:
- Have experience with sensor design or biosensors.
- Have excellent organizational skills.
- Be a skilled communicator (both technical writing and spoken communication).
- Be skilled at multitasking.
- Be skilled at collaborative work with a large group with diverse backgrounds and expertise.
- Have a PhD acquired in the last 5 years in the field of analytical chemistry, biological chemistry, organic chemistry, or a field involved in sensor design or metabolomics.

Salary: $41,000-$48,000/year
To Apply:
Forward your CV to:

Galina Durant
Z-816 11455 Saskatchewan Drive
University of Alberta
Edmonton, AB, Canada T6G 2E9
Phone: 780-248-1376
Email address: gdurant@ualberta.ca

Closing date:
position open until filled.

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

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; 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.