



Vancouver Island University

Position: Postdoctoral Fellowship in Mass Spectrometry

We invite applications for a **Postdoctoral Fellowship in Mass Spectrometry**. This is a two-year position based in our Chemistry Department.

About the Department:

The Department of Chemistry at VIU is located on the beautiful west coast of British Columbia and houses a world class mass spectrometry facility with state-of-the-art orbitrap, triple quadrupole, and ion trap instruments. Our research strengths are in environmental, clinical, and bioanalytical mass spectrometry, with a strong emphasis on novel direct mass spectrometry approaches that minimize sample preparation and pretreatment. Located on central Vancouver Island, VIU is surrounded by world class nature perfect for many outdoor activities including hiking, surfing, kayaking, skiing, and mountain biking.

Project Description:

There is an exciting opportunity for a postdoctoral fellow to participate in a multi-institutional project utilizing cutting-edge mass spectrometry imaging technology to explore molecular mechanisms of tumor driven immunosuppression in various types of solid cancers. The primary focus of this role is to develop and apply nanospray desorption electrospray ionization (nano-DESI) methods to map metabolites in heterogeneous tumors. Funded through a multi-institutional project grant, work will be in collaboration with leading scientists at BC Cancer, the University of British Columbia, and the University of Victoria. Additionally, there are ample opportunities in this role for interlaboratory exchanges in other mass spectrometry and cancer immunometabolism research programs, and for professional growth and development through informal and formal project team initiatives.

Required Qualifications:

- A Ph.D. in analytical chemistry, biochemistry, biology or equivalent
- Experience with mass spectrometry

- Experience with electrospray ionization

To Apply:

View the full position description and apply online by August 16.

Pay scale based on experience: \$45,000 to \$60,000. For further information about the position please contact Dr. Kyle Duncan at kyle.duncan@viu.ca or visit the group webpage: <http://wordpress.viu.ca/duncan>

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Employment at VIU:

Situated on the traditional territory of the Coast Salish peoples, Vancouver Island University is a comprehensive teaching university with 13,000 students across four campuses. VIU proudly fosters student success, strong community connections and meaningful collaborations by providing access to a wide range of programs, from academic undergraduate and master's to industry-responsive trades and vocational training. VIU provides a learning environment that is accessible and relevant for all learners, celebrates success and acknowledges Indigenous history and traditions.

VIU is pleased to offer eligible employees a comprehensive benefit plan; ample paid holiday time; professional development opportunities and a desirable pension plan. As part of the VIU campus community, our employees work with supportive colleagues within an encouraging environment and are provided with the tools and training that promote learning and development. The perks of VIU employment are multiple, and include well-being initiatives and services, strategic discounts, and flexible work opportunities.

The VIU community is grateful to teach, learn, research, live, and share knowledge on the tradition and unceded territories of the Snuneymuxw, Quw'utsun, Tla'Amin, Snaw-naw-as and Qualicum First Nations. With hands raised to the original stewards of this place, we say Hay ch qa' sii'em sieye' yu mukw Mustimuxw.