



## Postdoctoral Fellow Cancer Diagnostics & Cell Surface Proteomics

Join us to unlock the therapeutic and diagnostic potential of cell surface proteins.

PROFYLE, Canada's national pediatric precision oncology initiative, seeks an outstanding candidate with exceptional passion to advance molecular diagnostics in childhood cancer. This is a fully funded position at the University of British Columbia (UBC) in **Vancouver, Canada**.

**Your role:** You will lead a project on the **development of mass spectrometry based diagnostic assays for cell surface immunotherapy targets in childhood cancer**. Under mentorship of Drs Poul Sorensen, Philipp Lange and Gregg Morin you will refine automated (cell surface) proteome extraction from clinical biopsies and develop PRM and MRM based mass spectrometry approaches for pre-clinical application and clinical translation.

**Research Team & Environment:** You will be part of a dynamic team of experimental and computational scientists and embedded in the national PROFYLE pediatric precision oncology initiative where you will work with basic scientists, pathologists, analysts and clinicians to advance precision diagnostics and treatment for children with cancer. You will be located at the BC Children's Hospital Research Institute and BC Cancer and will have direct access to latest generation mass-spectrometry, state-of-the-art cell and molecular biology facilities, mouse and chicken chorioallantoic membrane (CAM) modeling platforms, next-generation sequencing, flow cytometry, imaging and compute infrastructure. Vancouver repeatedly ranks among the most livable places in the world and combines excellence in research with high quality of life. Excellent opportunities for personal and professional development are provided.

### Requirements:

- PhD in biochemistry, cancer biology, analytical chemistry or related area
- Strong publication record
- Fluent in written and spoken English and demonstrated excellence in scientific writing
- Demonstrated exceptional communication and analytical skills.
- Demonstrated hands-on expertise in protein mass spectrometry
- Strong statistical foundation and demonstrated expertise in R or python for data analysis
- Hands-on expertise in characterization cell surface proteomes, development of PRM or MRM type assays, and clinical mass spectrometry are important assets

**How to apply:** Review of applications will begin May 1<sup>st</sup>. The position will remain open until filled and commence as soon as possible. Please send the following as one PDF file to [brenda.tse@ubc.ca](mailto:brenda.tse@ubc.ca): a **cover letter** expressing your long-term research vision, career goals and fit for the position (detailing how you meet the requirements as well as when you intend to start this position and relocation plans, if applicable); CV; contacts (full address, email and phone number) for three references; copies of your most impactful papers (max 3, submitted OK). Only shortlisted candidates will be contacted.

*UBC hires on the basis of merit and is strongly committed to equity and diversity within its community. We especially welcome applications from visible minority group members, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to productively engage with diverse communities. All qualified candidates are encouraged to apply.*