



## Research Associate / Staff Analyst (full-time or part-time) Cancer Proteomics & Personalized Medicine

Dr. Philipp Lange, Canada Research Chair in Translational Proteogenomics of Pediatric Malignancies and his team at the University of British Columbia (UBC) in **Vancouver, Canada**, seek an outstanding candidate with exceptional passion to advance precision oncology for children and the fundamental understanding of proteome modulation in childhood disorders.

**Your role:** You will oversee data analysis and reporting for multiple single case and cohort studies in the precision oncology BRAvE and PROFYLE initiatives and collaboration projects. In this role, you will perform statistically robust analysis and integration of molecular (proteomics, genomic, metabolomic) and phenotypic (clinical, immunophenotype, drug perturbation, ...) data. You will mine the scientific literature to develop mechanistic models and hypotheses and prepare comprehensive data-rich reports. You will further have the opportunity to complement your data analysis work with wet-lab experimental work. Here you will use and advance mass spectrometry and diverse biological model systems spanning from cultured cells to patient-derived chicken chorioallantoic membrane (CAM) and murine xenograft models to deconstruct signaling pathways and develop new treatment approaches.

You will represent the laboratory in national and international initiatives, lead collaborative projects, train graduate and undergraduate students, introduce new methodologies to the lab and make major contributions to grant proposals and manuscripts.

**Research Team & Environment:** Located at the BC Children's Hospital Research Institute (BCCHRI), the leading pediatric research center in Western Canada, you will be embedded in the highly innovative and interdisciplinary research environment spanning BC Children's Hospital, UBC and BC Cancer. 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. You will be part of a dynamic team of experimental and computational scientists and embedded in the local BRAvE and national PROFYLE pediatric precision oncology initiatives where you will work with basic scientists, pathologists, analysts and clinicians. You will work in the newly renovated digital-health offices with direct access to state-of-the-art compute infrastructure and software as well as cell and molecular biology facilities, mouse and chicken chorioallantoic membrane (CAM) modeling platforms, mass-spectrometry, next-generation sequencing, flow cytometry, imaging and compute infrastructure. Salary will be commensurate with experience and full benefits will be provided. The term of the position may be extended pending successful review of performance and productivity and continued funding availability.

### Requirements:

- PhD and PostDoc in cancer biology, immunology or related area and strong publication record (Exceptional recent PhD graduates may be considered for a post-doctoral fellowship)
- Fluent in written and spoken English and demonstrated excellence in scientific writing
- Demonstrated exceptional analytical, communication and visualization skills.
- Strong statistical foundation and expertise in R or python for data analysis
- Exceptional understanding of biological mechanisms and well-read
- Expertise in CRISPER genome editing, mass spectrometry, cell surface and secretome characterization are assets but not required

**How to apply:** Review of applications will begin November 15<sup>th</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.*