Job Posting:175495 - Position: W26 Genomics Data Analyst 175495

Co-op Work Term Posted:	2026 - Winter
App Deadline	11/26/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	11/18/2025 10:21 AM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	UBC Microbiology and Immunology Dept.
Address Line 1	2125 East Mall
Address Line 2	NCE building room424
City	Vancouver
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Winter
<b> Job Title <b>	W26 Genomics Data Analyst 175495
Position Type	Co-op Position
Job Location	Vancouver, BC
Country	Canada
Duration	8 months
Work Mode	In-Person
Salary Currency	CAD
Salary	3200.0 per month for 35 Major List

Job Description

We are seeking a highly motivated Science Co-Op to join our interdisciplinary team seeking to advance understanding and treatment of leukemia.

This position offers a unique opportunity to contribute directly to biologically driven, hypothesis-focused computational research using large-scale multi-omics datasets, including both bulk and single-cell modalities. This role centers on custom, exploratory, and mechanistic data interrogation to advance our understanding of gene regulation in

blood cancer. The Co-Op will work closely with basic science and clinical research teams to design, execute, and interpret analyses, and to support the experimental validation of computational findings. This is an excellent opportunity for students excited about applying computational and life sciences training to collaborative biological discovery.

Key Responsibilities

- Perform bespoke multi-omics analyses (bulk and single-cell epigenomics, transcriptomics, chromatin accessibility, etc.) to support hypothesis generation and testing.
- Integrate and analyze diverse datasets (e.g., ATAC-seq, ChIP-seq, RNA-seq, multi-modal single-cell datasets) to uncover regulatory mechanisms.
- Collaborate closely with bench scientists and clinicians to refine biological questions, interpret results, and guide validation studies.
- Develop custom computational approaches and analytical workflows using existing tools and frameworks (e.g., Python, R, CWL, Docker/Singularity).
- Apply rigorous QC, exploratory analysis, and data visualization to derive biological insights from complex datasets.
- Document analysis strategies, parameters, and findings to ensure reproducibility and scientific rigor.
- Participate in lab meetings and cross-functional discussions, presenting analytical results and contributing to scientific problem-solving.

Benefits & Learning Outcomes

- Hands-on experience performing biologically driven analysis on real-world, large-scale multi-omics datasets.
- Experience with both bulk and single-cell analytic frameworks and cutting-edge epigenomics technologies.
- Opportunities to contribute to mechanistic studies and translational research efforts.
- Work within a highly multidisciplinary environment, collaborating with computational biologists, molecular biologists, and clinicians.
- Build skills in scientific communication, hypothesis development, and integrative data interpretation.

Pay transparency in B.C. - Province of British Columbia (gov.bc.ca)

3,250 per month plus 4% vacation pay

Job Requirements

Preferred Qualifications:

- Enrolled in a Bachelor's or Master's program in Bioinformatics, Computational Biology, Genomics, Computer Science, or a related field.
- Experience with epigenomic and/or transcriptomic data analysis (bulk or single-cell) is a plus.
- Familiarity with workflow languages or frameworks (e.g., CWL, WDL, Nextflow, Snakemake) and containerized environments (Docker, Singularity).
- Understanding of common genomic data formats (FASTQ, BAM, VCF, BED) and QC concepts.
- Exposure to cloud computing platforms (AWS, GCP, or Azure) and Linux/Unix computing environments.
- Experience with Python, R, or similar languages for exploratory and

statistical analysis.

- Strong analytical, problem-solving, and communication skills, with an interest in biological discovery.

Citizenship Requirement Canadian & Permanent Residents Preferred

APPLICATION INFORMATION

Application Procedure	Through UBC Science Co-op
Cover Letter Required?	Yes
Address Cover Letter to	Dr. Martin Hirst