



Environment.



Responsibility.

Research.



BC Centre for Disease Control
An agency of the Provincial Health Services Authority



The **BC Centre for Disease Control (BCCDC)** provides provincial and national leadership in public health through surveillance, detection, prevention and consultation and provides both direct diagnostic and treatment services to people with disease of public health importance.

The **BCCDC** is an agency of the **Provincial Health Services Authority (PHSA)**, which plans, manages and evaluates selected specialty and province-wide health care services across BC. PHSA embodies values that reflect a commitment to excellence. These include: *Respect people • Be compassionate • Dare to innovate • Cultivate partnerships • Serve with purpose.*

Clinical (Public Health) Genomics Microbiologist

Regular Full Time
\$110,000 per annum
Vancouver, BC

The Clinical (Public Health) Genomics Microbiologist will work collaboratively within a team environment that includes the Public Health Laboratory (PHL) Medical Director, Medical Microbiologists, Clinical Microbiologists, other Senior Scientists, and Technical staff to build a genomics program that provides timely, accurate and innovative answers to public health questions.

The overarching role is to support the genomics/bioinformatics program by overseeing the development, operational implementation, and maintenance of clinical bioinformatics to support genomic testing and interpretation.

Key Accountabilities

- Provides leadership in genomics and advanced molecular diagnostics for projects and programs at the BCCDC PHL.
- Assists in identifying strategic problems, industries, sectors, etc., that would benefit from a genomics and advanced molecular diagnostics approach.
- Developing and implementing projects and programs under a continuous quality improvement framework.
- Supporting the development and validation of analytical genomic pipelines applied to support clinical diagnostics and microbial epidemiology.
- Maintaining a strong scientific collaborative network through appropriate links to the University of British Columbia, national and international bodies and other mechanisms.
- Be involved in hiring and supervising research, scientific and technical staff as well as recruiting graduate students to support genomics and advanced molecular diagnostics.
- Assist in the management of resources (e.g., finances, infrastructure, consumables, etc.) related to genomics and advanced molecular diagnostics projects and programs.
- Supports the BCCDC PHL in surveillance of key Public Health and Infection Control related pathogens (e.g., enteric bacteria such as, Salmonella, carbapenemase producing organisms, or other respiratory or bloodborne agents).
- Produce and deliver knowledge translation materials with regard to genomics and advanced molecular diagnostics projects and programs, for example peer-reviewed publications and conference presentations.
- Supports academic research and professional growth in the field of genomics including scientific publications as well as leverage BCCDC PHL resources by securing competitive and other funding.
- Be eligible and maintain an academic partnership affiliation with the University of British Columbia and commit to providing a limited amount of teaching.
- Assist in the development and implementation of a comprehensive and sustainable One Health genomics and advanced molecular diagnostics strategy.
- Representing BCCDC PHL at internal and external meetings, on task forces and advisory committees.
- Fostering relationships with stakeholders and end users to facilitate knowledge synthesis, translation and collaboration on research initiatives with provincial, national, and international organizations.
- Is available to support the response to public health emergencies.
- Applications will be accepted until the position is filled.

Qualifications

Education, Training and Experience

- A level of education, training, and experience equivalent to a PhD in relevant field and seven (7) years of related research training/experience.

Skills and Abilities

- Advanced knowledge of relevant database, spreadsheet, statistical, graphical, presentation, communication and web software applications as appropriate.
- Superior analytical, problem-solving and system analysis skills including the ability to resolve complex issues and synthesize related data/information and present information in concise meaningful ways.
- Ability to direct complex and customized queries and reports.
- Ability to function in a self-directed manner.
- Excellent ability to communicate effectively both verbally and in writing.
- Demonstrated interpersonal skills with a variety of people. Excellent time management skills. Demonstrated ability to anticipate and respond to the needs of stakeholders supported by an acute awareness of the impact of actions.
- Ability to handle multiple concurrent tasks.
- Demonstrated strong data and statistical problem-solving ability and judgment.
- Ability to exercise independent judgment in facilitating decisions and communications on input parameters into medical/scientific models.
- Demonstrated flexibility in responding to program and strategic priorities.
- Experience in whole genome sequencing, metagenomics and bioinformatics analysis for enteric bacteria such as Salmonella, E. coli, to support surveillance and antimicrobial resistance prediction is an asset.

Please inquire for more details or submit an application in confidence to:

Akosua Tomash
Advisor, Talent Acquisition
physicianrecruitment@phsa.ca

Anticipated start date: June 26, 2017

Applications will be accepted until filled.

For more information on all that the PHSA has to offer, please visit: jobs.phsa.ca.

For more information about the BC Centre for Disease Control please visit the website at: www.bccdc.ca.

PHSA is committed to employment equity and hires on the basis of merit. We encourage applications from all qualified individuals, including Aboriginal peoples, persons with disabilities and members of visible minorities.

