



INVEST IN: MEDICAL GENETICS

You can provide hope and healing.

For decades, BC Women's Hospital + Health Centre has been at the forefront of caring for women and newborns. Still, genetic disorders remain one of the leading causes of infant mortality and are a large proportion of patients in the BC Women's Hospital Neonatal Intensive Care Unit (NICU).

State-of-the-art tools now exist to provide enhanced and personalized care for those with genetic conditions. With BC Women's Hospital seeing the province's highest-risk pregnancies and caring for its most fragile newborns, help is needed to upgrade and welcome in the next generation of precision medicine. You can take BC Women's Hospital to the next level of excellence with genomics care and provide better outcomes throughout the lives of our most vulnerable infants in BC.

The **Provincial Medical Genetics Program (PMGP)**, a provincial centre of excellence located at BC Women's Hospital + Health Centre, provides families with exceptional **genomics-informed care**. Genomics care provides precise, patient-specific treatment plans for expectant mothers that can save a newborn's life upon delivery; critically-ill infants in the NICU; babies born with a genetic cancer susceptibility syndrome; patients with genetic eye-disorders and more.



PMGP at BC Women's Hospital is often the first stop for testing and diagnosis for patients receiving treatments throughout the province and is often the hub of care for many families across BC and the Yukon.



"Our program envisions a British Columbia where every family affected by a rare genetic disease has access to up-to-date diagnostic and management information to inform their optimal health care. We lack a tool to systematize and power provision of highly individualize and detailed medical genetics clinical care. Our proposed tool will revolutionize our clinical service, and have the added bonus effect of enabling us to readily identify patient eligible for innovative research opportunities relevant to their goals of care."

DR. LINLEA ARMSTRONG
Medical Geneticist + Medical Director
Provincial Medical Genetics Program

**YOUR HELP IS URGENTLY NEEDED TO ACTIVATE LIFE-SAVING ADVANCES IN
PRECISION MEDICINE AND GENOMICS-INFORMED CARE.**

Together, we can help ensure BC's newborns get the very best start to begin long, healthy lives.

When our daughter was very small and very ill, our world was incredibly uncertain. Thanks to the help and diligence of the staff at the Provincial Medical Genetics Program, we were able to pin down our daughter's incredibly rare diagnosis. Without this testing, we'd still be at a loss today.

- Grateful Patient Family



There is an urgent need to improve genomics-informed care by investing in new technologies that reduce long waitlists, gaps in diagnosis and treatment, and reduces risks to vulnerable patients and families.

PHENOTIPS | \$1.1 MILLION

PhenoTips is a new state-of-the-art medical genetics software. PhenoTips communicates and manages genomic information between patients, families, clinical providers, and the laboratory. It can analyze data and suggest diagnoses, additional examinations or investigations. It also aligns families and groups of patients, supporting care across families. Successful treatment solutions can more readily be shared from genomics programs worldwide, helping critically-ill babies in BC receive cutting-edge care.

With your support of simple, innovative technology upgrades at PMGP, we can help streamline this waitlist and provide better genetic diagnosis and treatment plans to expecting parents, infants and families most at risk.

Implementing PhenoTips results in faster and more accurate diagnoses, improved outcomes, and reduced healthcare costs.

RAPIDOMICS | \$300,000

RapidOmics is a fast and effective way to conduct genetic testing. This project will help establish and validate a pilot program for critically-ill babies in the NICU with suspected genetic disorders. This innovative testing would be the first in BC clinical laboratories and could improve and even save lives.

EXTRAORDINARY CIRCUMSTANCES REQUIRE EXTRAORDINARY, PROVEN TECHNOLOGY. YOU CAN HELP DELIVER THE NEXT GENERATION OF CARE TO WOMEN AND NEWBORNS.

BC WOMEN'S
HEALTH
FOUNDATION



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We acknowledge that we carry out our work on the traditional, ancestral, and unceded territory of the Coast Salish peoples – xʷməθkʷəy̓əm (Musqueam), Skwxwú7mesh (Squamish), Stó:lō and Səlilwətaʔ/Selilwitulh (Tsleil-Waututh) Nations.

When we refer to “women”, we include women in all their diversity inclusive of the LGBTQ2SIA+ community.

*Consistent with our fiscal sustainability policy, a contribution from all designated donations will be directed to support the work of BCWHF in fulfilling its mandate to ensure women in BC have equitable access to quality healthcare.