BCCGN
British Columbia Clinical Genomics Network

BCCGN helps clinicians in BC to carry out clinical and scientific studies on unique families and patient populations using state-of-the-art genomic technologies to better understand the genetic basis of disease.

Our mandate is to assist in the identification of genetic factors involved in the development of, protection against, and treatment of genetic diseases for the benefit of patients, families and the health care system.

HOW WE CAN HELP

- Provide access to advanced genomics technology.
- Offer project co-ordination, research methodology, study design and analysis.
- Advise on patient consent, ethics approvals and the collection, security and management of patient data and samples.
- Hold educational conferences and workshops.
- Connect clinicians and genomic scientists via networking events.
- Encourage commercialization of genomic discoveries and their use in healthcare.

HOW YOU CAN GET INVOLVED?

If you are a clinician interested in genomic research, please contact us for more information or visit our web site to submit a research proposal

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www.bccgn.ca

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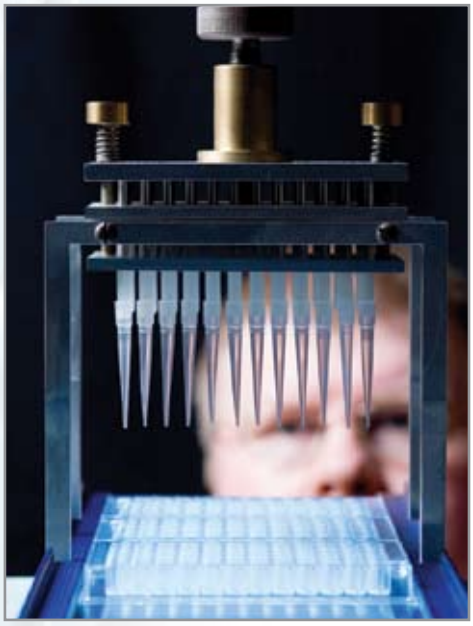
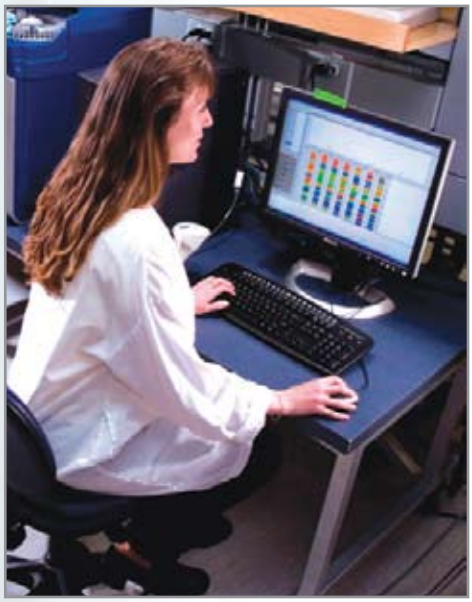
TECHNOLOGY



BCCGN can help clinical researchers access state-of-the-art genomics technologies to conduct studies involving:

- High Throughput Genotyping - Highly accurate and cost-effective genotyping using Illumina genotyping platforms for focused custom arrays or whole genome scans.
- High Throughput DNA Sequencing - Sequencing on both standard Sanger and next-generation Illumina (Solexa) platforms.
- Detection of Copy Number Variation - Several different array platforms are available for detection of genomic deletions and duplications ranging in size from 100 to 10,000,000 base pairs.
- High Throughput Epigenetic Analysis - Epigenetic processes such as methylation of DNA can be assessed on a genome-wide basis using a variety of tissue types.

EXPERTISE



BCCGN connects clinical researchers with experts in genomics who can help design studies, apply genomic tools and analyze data through:

- Genetic Study Methodologies and Analytical Methods
- Bioinformatics
- Statistical Analysis of Genetic and Genomic Data
- Clinical Phenotyping
- Clinical Databases and Data Management
- Clinical Research Ethics and Consent
- Genetic Epidemiology
- Health Technology Assessment

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