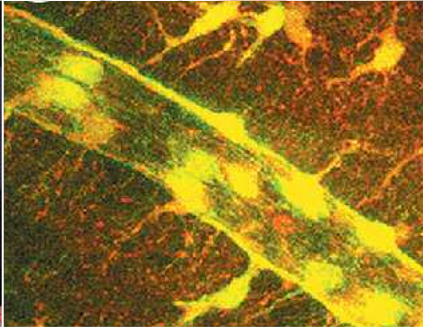


Vancouver
CoastalHealth
Research Institute
Healthier lives through discovery



Technical Services

Vancouver Coastal Health Research Institute advances the development of research activity across Vancouver Coastal Health, one of British Columbia's five geographic health authorities. Merging science with patient care, our bench scientists work in collaboration with clinicians to focus on translational research. Our goal is to rapidly advance discoveries — from drug therapies to new treatments, advanced surgical techniques to new medical devices — that will help our patient population get well and stay healthy.

VCHRI encompasses three research intensive-institutions: Vancouver Hospital, UBC Hospital and GF Strong Rehabilitation Centre, as well as Richmond Hospital, Lions Gate Hospital and community hospitals and health units.

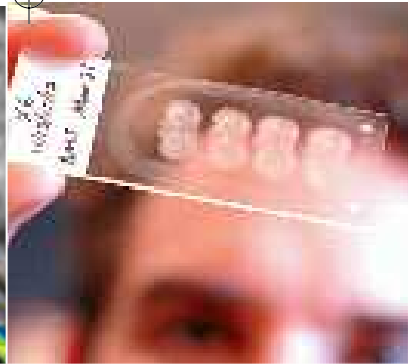
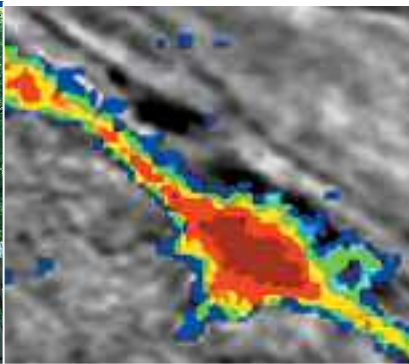
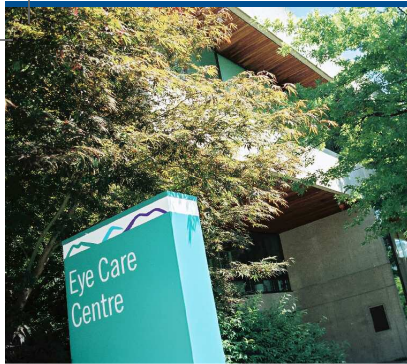
Our advantage

VCHRI offers core services that are available to academic and industry researchers on a contract basis. The advantages are:

- State-of-the-art infrastructure coupled with significant technical expertise
- Provides a cost-effective mechanism to conduct research activities
- Reasonable rates for academic investigators and industry contracts
- Straightforward processes facilitate easy access to services

Vancouver Coastal Health Research Institute is a joint venture between the Vancouver Coastal Health Authority and University of British Columbia.





Technical Services

As part of its research programs, VCHRI has developed core services that are available to academic and industry investigators on a contract basis. These services are conducted in top research facilities with world-class infrastructure. The services are easily accessible and offered at special rates for academic investigators.

The Technical Services at VCHRI Include:

Jack Bell Research Animal Facility

- Various animal models
- Small and large animal services
- Animal housing and maintenance
- Transgenic mouse production
- Embryo cryopreservation
- Lentivirus transgenesis—delivery of RNAi and tissue specific transgenes
- Transgenic & gene knockout mouse production

Tissue Microarray Facility

- Building tissue microarrays
- Staining with standard & novel biomarkers
- In situ RNA hybridization
- Scanning and data-basing information

Magnetic Resonance Imaging (MRI)

- Whole brain and body imaging
- Animal and human studies
- Measurement of brain activation patterns and biochemical markers

Optical Imaging and Microscopy

- Confocal microscopy and infrared technology
- Creating and maintaining hardware and software applications
- Method development for imaging in brain slices and tissues using fluorophores
- Investigation of mechanism of drug action in neuronal cells and brain tissue

Gene Microarray Facility

- Construction of cDNA libraries
- Printing of microarrays for gene expression, protein expression, and genotyping
- Performing microarray based experiments
- Conducting hybridizations and scanning data
- Bioinformatics support for data analysis



Vancouver Coastal Health Research Institute
Healthier lives through discovery



Contact

FOR FURTHER INFORMATION OR BUSINESS DEVELOPMENT OPPORTUNITIES CONTACT:

Vancouver Coastal Health Research Institute
Tel: (604) 875-4372
Email: Research@vanhosp.bc.ca