

A Collaborative Program for the Production of Tc-99m Using Medical Cyclotrons

Project Partners:



The research institute of
London Health Sciences Centre and
St. Joseph's Health Care, London.

Lawson Health Research Institute, located in London, Ontario, is one of Canada's largest and most respected hospital-based research institutes. As the research arm of London Health Sciences Centre and St. Joseph's Health Care, London, and working in partnership with The University of Western Ontario, Lawson is committed to furthering scientific knowledge to advance health care around the world. Its state-of-the-art, 6,000 sq. ft. Nordal Cyclotron & PET Radiochemistry Facility opened on March 31, 2010 and includes a GE PETtrace 8 cyclotron with

proton and deuteron acceleration capability, class 100 shielded hot cells, and automated chemistry units for producing F-18 and C-11 radiopharmaceuticals – all to GMP specifications.



BC Cancer Agency

CARE + RESEARCH

An agency of the Provincial Health Services Authority

The **BC Cancer Agency**, an agency of the Provincial Health Services Authority, is committed to reducing the incidence of cancer, reducing the mortality from cancer, and improving the quality of life of those living with cancer. It provides a comprehensive cancer control program for the people of British Columbia by working

with community partners to deliver a range of oncology services, including prevention, early detection, diagnosis and treatment, research, education, supportive care, rehabilitation and palliative care. The BC Cancer Foundation raises funds to support research and enhancements to patient care at the BC Cancer Agency.



**Centre for Probe Development
and Commercialization**

The **Centre for Probe Development and Commercialization** discovers, develops and distributes molecular imaging probes for the early diagnosis of diseases and to assess the effectiveness of treatments.

An important part of Ontario's health system, CPDC provides a reliable, daily supply of imaging probes to hospitals across the province. CPDC also works collaboratively with industry and academic partners, offering the research, manufacturing and regulatory expertise needed to move innovative probe technology and new therapeutic drugs from R&D labs to clinical use. CPDC, located on the McMaster University Campus, is a Centre of Excellence for Commercialization and Research, part of the Networks of Centres of Excellence Program. It is supported by the Ontario Institute for Cancer Research, GE Healthcare, Cancer Care Ontario, and McMaster University.



TRIUMF

TRIUMF is Canada's national laboratory for particle and nuclear physics. Located on the south campus of the University of British Columbia, TRIUMF is owned and operated as a joint venture by

a consortium of the following Canadian universities, via a contribution through the National Research Council Canada: University of Alberta, University of British Columbia, University of Calgary, Carleton University, University of Guelph, University of Manitoba, McMaster University, University of Northern British Columbia, Université de Montréal, Queen's University, University of Regina, Saint Mary's University, Simon Fraser University, University of Toronto, University of Victoria, and York University.