



Gerald C. Baines Centre for Translational Cancer Research



The Gerald C. Baines Centre for Translational Cancer Research

The Gerald C. Baines Centre for Translational Cancer Research is home to some of the brightest minds and best technology dedicated to translational cancer research. Also known as “lab-to-bedside” or “bench-to-bedside” research, translational research bridges the gap between scientific discovery and patient care through the work of interdisciplinary teams of researchers and clinicians.

By accelerating the application of new knowledge to benefit patients the Gerald C. Baines Centre for Translational Cancer Research will strengthen London’s reputation as a centre of medical excellence and help cancer patients around the world have a better chance at fighting – and conquering – their illness. Situated at Victoria Hospital at the interface between the Victoria Research Laboratories and London Regional Cancer Program, the 11,000 square foot centre provides unique facilities to enable the work of cancer researchers and clinicians.

Clinical Research Unit

Clinical trials are a cornerstone of translational research as new discoveries need to be carefully evaluated in patients for both safety and effectiveness. Providing access to a wide range of clinical trials for individuals with cancer is a priority for the London Regional Cancer Program at Lawson. Thanks to the size of the unit and its single purpose spaces for specimen collection and handling, patient interviews and assessment as well as treatment administration, the Clinical Research Unit is a more sophisticated clinical trials space. This will allow us to offer not only more trials to our patients, but also a wider range of trials. The new Clinical Research Unit provides the facilities required to conduct a full spectrum of clinical trials research including Investigational New Drug (IND) trials of novel cancer agents, evaluation of personalized medicine approaches through pharmacogenomic correlations, novel cancer biomarkers as well as Phase I-III clinical trials.



Molecular Imaging Laboratories

These facilities will be used for producing specialized chemical compounds that will provide researchers with new ways of visualizing cancer in the body and underlying cancer biology in order to develop new diagnostic and treatment tools. The laboratories include specialized radio-labeling and radiochemistry equipment to enable the production of diagnostic and therapeutic radiopharmaceuticals according to the Good Manufacturing Practices (GMP) standards of Health Canada as well as regulations of the Canadian Nuclear Safety Commission.

Imaging Research Laboratory

London has a wealth of imaging facilities and expertise citywide. The Gerald C. Baines Centre for Translational Cancer Research will provide a means to develop dynamic partnerships with these world renowned facilities, clinicians and researchers. The imaging research laboratory will allow cancer researchers to analyze the more subtle aspects of all types of cancer images efficiently and on an in-depth basis

to better understand cancer in order to design and evaluate new diagnostics and therapies. The Imaging Research Laboratory also provides researchers, trainees and graduate students with the space and equipment they need to incorporate new methods of cancer imaging – including molecular imaging – into clinical trials.

Collaborative and Support Area

Translational research is about bringing people together and the sharing of information between researchers and clinicians – and the Collaborative and Support Area helps facilitate that sharing both locally and internationally. Researchers, research fellows and clinical trial and translational research trainees will use this space to meet and interact with the data that relates to their research. The area also features an advanced virtual workspace for visualizing and sharing information electronically with leading researchers and clinicians from around the world.

LAWSON HEALTH RESEARCH INSTITUTE

As the research institute of London Health Sciences Centre and St. Joseph's Health Care, London, and working in partnership with The University of Western Ontario, Lawson Health Research Institute is committed to furthering scientific knowledge to advance health care around the world. Lawson is one of the largest hospital-based research institutes in Canada with over \$65 million in external funding. The Institute is currently administering over 1,800 clinical research projects meeting or exceeding Health Canada and United States FDA standards. Clients include the NIH, pharmaceutical and biotech companies, consortiums and CRO's from all over the world.



LONDON REGIONAL CANCER PROGRAM

London Regional Cancer Program (LRCP) is made up of several strong collaborative groups of scientists and clinicians bringing their unique expertise to bear on specific problems in cancer detection and treatment. Key to the procurement of new cancer knowledge and treatment possibilities is the synergistic nature of these translational research groups focused on cancers such as breast, ovarian, prostate and head & neck. The Cancer Research Laboratory Program at the LRCP facilitates productive interactions between clinicians and scientists so that we can focus on important problems that relate to cancer care on a daily basis and this is where we expect to make our biggest and most positive impact.

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



**Gerald C. Baines Centre for
Translational Cancer Research**
Victoria Hospital - Victoria Research
Laboratories, Level 3
790 Commissioners Road East
London, Ontario
Canada N6A 5W9

www.lawsonresearch.com

Telephone: 519.685.8600
Facsimile: 519.685.8673
bainescentre@lawsonresearch.com