

Gerald C. Baines Centre for Translational Cancer Research

Supporting the Next Wave of Cancer Breakthroughs

Each new discovery made at the Gerald C. Baines Centre for Translational Cancer Research strengthens London's reputation as a centre of medical excellence and helps cancer patients around the world have a better chance at fighting – and conquering – their illness.

Opened in fall 2010, the Baines Centre is home to some of the brightest minds and best technology dedicated to translational cancer research.

Translational research bridges the gap between scientific discovery and patient care by identifying significant, current research projects and applying that knowledge to benefit patients.

Donor support will ensure the growth of the Baines Centre so that our city and our hospital remain a leading centre of translational cancer research and a source of hope and inspiration for patients and their families throughout the world.



Victoria Research Laboratories at Victoria Hospital, home of the Baines Centre

The Baines Centre: The Physical Infrastructure to Enable Collaboration

The goal of translational cancer research is the movement of information between the research and patient care settings – combining the worlds of basic science and clinical care to provide new approaches to patient care. This two-way pipeline of knowledge is only possible in a city like London, where clinicians and researchers from different organizations across the city are free of silos and able to collaborate - turning bright ideas into successful clinical trials. In fact, the Baines Centre was planned and positioned to do just that – *it is the physical infrastructure that enables collaboration.*

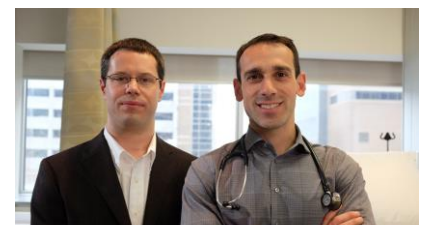


Learn more about translational research at lhsf.ca/translational

A Successful Return on Investment

In 2004, the Gerald C. Baines Foundation announced a \$1 million gift to establish the Baines Centre. That initial investment inspired the additional funding needed for the dream of the Baines Centre to become reality – just as the Baines Centre's initial successes have inspired new grants and funding from other organizations.

For example, in April 2011, radiation oncologist Dr. David Palma and imaging scientist Dr. Aaron Ward, working with \$15,000 in original seed funding, established a new research program aimed at developing imaging technology that better determines the best option for lung cancer patient treatment. The initial results were so promising that they led to further funding of \$1 million through external funding agencies.



To hear Dr. Aaron Ward & Dr. David Palma explain their works go to lhsf.ca/WardPalma

Expanding a Successful Model

The original funding for the Baines Centre was about bricks and mortar, and creating a physical space to encourage collaboration between behind-the-scenes scientists and frontline clinicians. Now that we have successfully proved that this type of collaboration can help patients, generate new clinical trials and attract bigger grants leading to further research, it is time to take it to the next level.

We want to create a world renowned research enterprise in cancer imaging that will attract internationally recognized scientists and lead to breakthroughs in patient care.

To accomplish this, the Baines Centre has set out a vision that includes sustainability and growth – and your generous support is crucial to both. To help maintain its current operations and enable continued, successful clinical trials, the Baines Centre needs the following resources:

- **An Imaging Technical Expert** dedicated to cutting-edge tech development
- A Research-dedicated **Clinical Fellow**
- A Cancer Research Unit **Operations Lead** to oversee and manage the successful execution of strategy

To bring the Baines Centre up to its full potential and build off the successful collaborative model demonstrated by clinician scientist Dr. Palma and imaging scientist Dr. Ward, the Centre needs the following resources:

- A **Clinician Scientist** to identify current clinical challenges
- An **Imaging Scientist** to generate new knowledge to help meet those challenges
- A Translational Research **Project Manager** to manage clinical trials and go after grants
- **Imaging Laboratory** software and hardware

Community support will allow for the purchase of protected research time for clinician scientist Dr. Stephen Welch, who along with a new Imaging Scientist will give the Baines Centre a greater capacity to explore new ideas in patient care and create new clinical trials. It will also give Dr. Palma and Dr. Ward new collaborators and help facilitate even more innovative and ground-breaking research.



Dr. Stephen Welch

Funding needs

The Gerald C. Baines Centre for Translational Cancer Research has proved itself as a Canadian leader in translational cancer research.

The total cost of fulfilling the Baines Centre's needs and setting it up for long-term success is \$3 million. We have the experience and the infrastructure in place and now we need donor support. On December 13, 2016, the Gerald C. Baines Foundation announced that it is generously donating \$1.5 million towards this goal, in hope of inspiring the final \$1.5 million from other donors in the community.

This fundraising effort is part of London Health Sciences Foundation's \$200 million campaign to meet the current and future needs of LHSC. *To learn more about the campaign, visit www.lhsf.ca/campaign.*