Snapshot: Capital Expansion at Sunnybrook Research Institute

The Centre for Research in Image-Guided Therapeutics By the Numbers

30
companies with which partnerships at SRI will be built or strengthened

35
new researchers who will be recruited to SRI

55
scientists and clinician-scientists from across Sunnybrook who will use the centre, even before new recruits

245
trainees and students who will be hired to work in the centre

150,000
square feet the centre will add for research at Sunnybrook

$14 million
amount the centre will attract in contributions from the private sector

$75 million
amount Canada is investing into the centre

$160 million
total project cost of the centre

Our most exciting building project is underway! The Centre for Research in Image-Guided Therapeutics—which will be unique in Canada—will add two new floors and almost double the space dedicated to discovery at Sunnybrook.

It will equip our research teams with everything they need to invent the medical imaging technologies and therapies of tomorrow. It will bring together scientists and research-minded clinicians, along with highly skilled lab staff and trainees, into one state-of-the-art space to work cheek by jowl on making new discoveries.

These discoveries will lead to new and better ways to detect, diagnose and treat some of the most pressing problems in health care, among them cancer, heart disease, musculoskeletal disorders, immune-system deficiencies, stroke and Alzheimer's disease.

The centre will dramatically boost our capacity to achieve our vision of inventing the future of health care. Here's a glimpse of what our research teams will be doing:

- Inventing noninvasive technology capable of disrupting the blood-brain barrier just long enough to be able to deliver targetted gene or drug therapy deep into previously inaccessible regions of the brain, for example to treat Alzheimer's disease.
- Engineering complex medical devices, such as one that will allow a doctor to navigate through a blocked blood vessel in 3-D. These devices, which will be built in Canada's only hospital-based device development lab, will ultimately be commercialized.
- Creating high-intensity focused ultrasound devices paired with magnetic resonance imaging that will let doctors do "surgery" without cutting through skin, for example to destroy cancerous tumours of the breast, prostate, liver and kidney.
- Designing cell-based therapies in our new strictly controlled current good manufacturing practices lab to repair damaged heart tissue and blood vessels, or damage to the brain, and to rebuild devastated immune systems.

Want to know more about this project and the benefits it will bring to Canadians? Visit **www.sunnybrook.ca/research**.

The Centre for Research in Image-Guided Therapeutics is funded primarily by the Canada Foundation for Innovation through the Research Hospital Fund. Additional support comes from the Ontario government, Sunnybrook Health Sciences Centre, industry partners and donations from our partners and patrons in the community. If you would like to contribute to the Centre, visit **www.sunnybrook.ca/foundation**.