MAY 15, 2024

# **Supporting the Translational Pipeline**

### Rebecca Tamarchak

ICRP Annual Meeting 2024



OICR was created in 2005 to accelerate the translation of cancer research discoveries in Ontario

OICR directs Ontario cancer research funding to areas of greatest opportunity – capitalize on cancer research strengths, address gaps in translational research capacity – to make Ontario a major global address for cancer research, improve cancer patient outcomes and benefit the local economy.

OICR currently receives core funding of \$72M CAD/year from Ontario's Ministry of Colleges and Universities



## OICR conducts and enables world-class cancer research in Ontario by investing in three areas:

Strengthening Ontario's capacity to undertake world-class cancer research

Driving collaborative, translational cancer research

Working with partners to facilitate the advancement, commercialization and adoption of cancer innovations into clinical practice.

### Our approach to supporting the translational pipeline

### **Unique features**

- Ontario-wide scope
- Build/sustain critical translational research infrastructure
- Independent: arms-length from government, not connected to a hospital

### Research funding model

- Active project management and oversight
- Patient Partnership
- Equity, Diversity and Inclusion
- Translational pathway planning commercialization and implementation planning

## **OICR** priorities



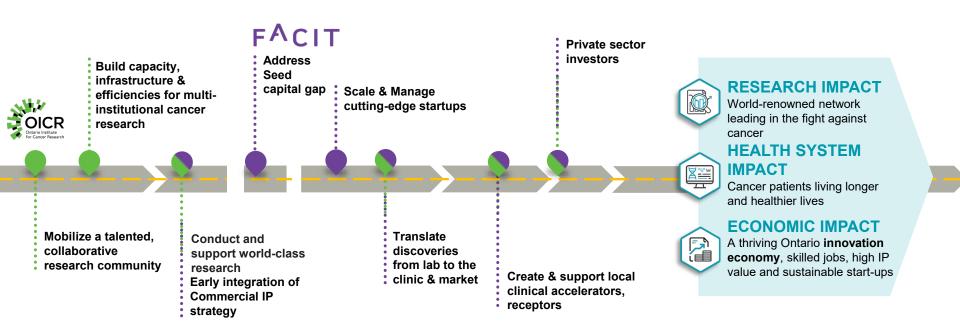
Overall emphasis on earlier cancer detection, which offers the best opportunity to stop cancer before it can take hold, grow more complex and spread.



OICR collaborates with the commercialization group FACIT to drive cancer research to benefit patients and the Ontario economy.

## Building Ontario's pathway for translating cancer IP

Together, we conduct and enable world-class cancer research, while investing in cancer IP and entrepreneurs



## Many of Ontario's largest **commercial health research successes** have arisen from OICR and FACIT



Building networks and enabling the community FACIT Creating, seeding & scaling start-ups

Attracting top-tier investors and global partners to Ontario

Ontario jobs R&D expansion Manufacturing

Clinical trials







OTTAWA, HAMILTON, TORONTO



























\$1B+
partnership

## Translation of discovery into transformative care:

the Ontario Health - OICR learning partnership

Building a more effective cancer care system in Ontario through policy solutions to facilitate the evaluation and adoption of new research



RAPIDLY TRANSFORMING EVIDENCE AND KNOWLEDGE INTO PRACTICE



Ministry of Health

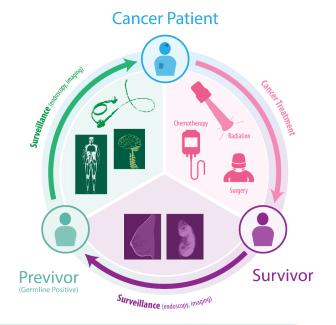
Ministry of Colleges & Universities

ACCELERATING CANCER RESEARCH
DISCOVERIES FOR PATIENTS AND THE
ONTARIO ECONOMY

### **CANCER GENETICS IN ONTARIO TODAY**

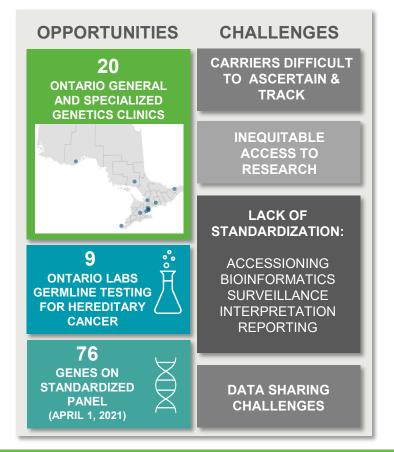
### OPPORTUNITY TO HARMONIZE & CENTRALIZE

- Hereditary cancer
   ~10% of all cancer
- Unique lifecycle, various checkpoints of opportunity
- Valuable families to inform <u>all</u> cancer patients



Hospital based clinical genetic testing labs not involved in research = lost opportunity





### **Ontario Hereditary Cancer Research Network**

A unified hereditary cancer registry will improve patient care and cancer research in Ontario

#### **IMPROVE CLINICAL CARE**

- Coordinated care
- Patient advocacy
- Cascade testing
- Diagnostic development
- Personalized medicine



### **CONNECT TO RESEARCH**

- Clinical trials
- VUS reclassification
- Gene discovery, genomics, computational biology



#### **COMMUNITY BUILDING**

- Eliminate barriers
- Collaboration and data sharing
- Improve access to experts







- Information pipelines, health data
- Imaging, high-risk screening
- Tumour genomics







Funding for the Ontario Institute for Cancer Research is provided by the Government of Ontario

