

Success Stories and Lessons Learned

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Panel Members:

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an initiative of
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WHY PUBLIC/PRIVATE RESEARCH COLLABORATIONS?



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▣ Silicon Valley

- Stanford, Berkeley, UCSF

▣ Boston

- Harvard, MIT, Mass. Gen., and some 60 more

▣ Raleigh-Durham

- Duke, University of North Carolina - Chapel Hill, North Carolina State

▣ Stockholm/Uppsala

- Karolinska, RIT, University of Stockholm

WHY PUBLIC/PRIVATE RESEARCH COLLABORATIONS?



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- Local, regional, provincial and national economies that lead the world in innovation and prosperity are all characterized by effective research collaboration among government, the private sector, public sector research institutions.

WHY PUBLIC/PRIVATE RESEARCH COLLABORATIONS?



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	Increased range of goods and services	Opened new market or increased market share	Improved quality of goods and services	Reduced unit labour costs
Enterprises which do not use universities as a partner	42%	40%	46%	33%
Enterprises which use universities as a partner	82%	81%	85%	65%

Source: Community Innovation Survey, (UK), DTI/ONS, 2001.

ONTARIO'S PUBLIC/PRIVATE RESEARCH COLLABORATIONS: THE STATE OF PLAY



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In Ontario, imagine:

- London without Western, Robarts, The Lawson
- Kingston without Queen's
- Ottawa without Carleton, U of Ottawa, the Hospital
- Kitchener/Waterloo without Waterloo and Wilfred Laurier
- Hamilton without Mc Master, St. Joseph's and Health Sciences
- Toronto without the U of T, York, Ryerson, and multiple research hospitals

ONTARIO'S PUBLIC/PRIVATE RESEARCH COLLABORATIONS: THE STATE OF PLAY



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Not just the universities and teaching hospitals

- You'll hear from one of our panelists about a college collaboration
- Colleges have a long tradition of innovative partnerships with industry

ONTARIO'S PUBLIC/PRIVATE RESEARCH COLLABORATIONS: THE STATE OF PLAY



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 Our research capacity is truly first rate:

- CIAR to OCE
- Advanced Materials to Life Sciences to Software Development
- From the highly technical to the deeply human
- Ontario's research institutions deliver in collaboration with the private sector

ONTARIO'S PUBLIC/PRIVATE RESEARCH COLLABORATIONS: THE STATE OF PLAY



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- Our industry partnerships with research institutions to develop Highly Qualified People are first rate:
 - Significant draw for new research-intensive investment by multi-nationals vying for global product mandates
 - Leading North American high technology, R&D-driven industry sectors

ONTARIO'S PUBLIC/PRIVATE RESEARCH COLLABORATIONS: THE STATE OF PLAY



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 Less clear is Ontario's success in other areas:

- Receptor capacity
- Private sector R&D investment
- Public/Private Research Collaborations

PUBLIC/PRIVATE RESEARCH COLLABORATIONS: KUDOS



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Congratulations to IBM

- The Centre for Advanced Studies Program at the IBM Toronto Software Lab and 12 universities
- In Ontario - Carleton, Queen's, Toronto, Waterloo, Western, and York
- The Leo Derikx Synergy Award from NSERC

PUBLIC/PRIVATE RESEARCH COLLABORATIONS 101



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Breakthrough Partnerships:

A Guide to Public-Private
Research Collaborations in Ontario



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Three Models:

- Consultancy: the purchase of advice or analytic services
- Contract: academic researchers undertake a specific piece of research on a company's behalf
- Collaborative: private sector and academic researchers jointly research a problem. Costs are co-funded by the private sector and public research funding agencies

PUBLIC/PRIVATE RESEARCH COLLABORATIONS: YOUR PANEL



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- ▣ Three leaders of very different, paradigm-shifting case studies:
 - Lessons learned and critical success factors
 - Recommendations to increase public/private research collaborations

PUBLIC/PRIVATE RESEARCH COLLABORATIONS: YOUR PANEL



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- Ontario's most successful research collaborations often involve the Ontario Centres of Excellence
- Mark Romoff, CEO will wrap-up and outline key questions for the breakout groups