



NATIONAL BIOTECHNOLOGY WEEK

16-23 SEPT. 2011



Biotechnology in Ontario*

Ontario offers one of those rare locations, worldwide, where leading-edge medical research converges with business expertise, the financial community and advanced manufacturing capabilities.

Most start-up companies are created from science developed at universities and both provincial and federal governments are interested in the development of a robust sector, leading to commercialization. The MaRS Discovery District, a state-of-art convergence facility, in Toronto, is dedicated to accelerating the rate of successful commercialization of new discoveries in Canada. It is strategically located next door to world-renowned medical research institutions and the financial district. The \$350 million facility brings life sciences companies under the same roof with public sector researches and venture capitalists.

The Provincial government supports six Ontario Centres of Excellence; a program established to strengthen research linkages between academia and industry and has committed \$20 million to the establishment of Biotechnology Commercialization Centres. The 24 colleges and 20 universities house some of the world's top business and science schools.

Ontario's major research strengths ranges from conducting clinical trials, researching cardiology, genomics and oncology to bio-products, bio-informatics, medical imaging, robotics, e-health and numerous other disciplines. To help support the emerging sector a \$150 million investment is in place under the Ontario Pharmaceutical Investment Program. This new program can cover up to 20% of incremental R&D and manufacturing costs for innovative large scale projects. Additionally, Ontario has introduced a \$1.15 billion Next Generation of Jobs Fund, a strategy to create new knowledge based jobs.

R&D in Ontario

Ontario's universities and public research institutions have proven themselves to be a constant source of new ideas and materials with commercial applications.

Seventeen of Canada's top 50 research universities are located in Ontario, seven of which - led by the University of Toronto - attract more than \$100 million in sponsored research funding annually.



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Ontario has a wealth of excellent research institutes across the province. The Ottawa Heart Institute, The Hospital for Sick Children, the University Health Network, the Samuel Lunenfeld Research Institute, the Robarts Research Institute and others are all internationally recognized for their expertise in specialized fields of research.

Ontario offers one of the most generous R&D tax credit programs in the world. Provincial and federal tax credits can cut the after tax cost of a \$100 R&D expenditure to less than \$41.

In total, the province is investing nearly \$3 billion to help research and companies turn new ideas into products and processes.

LifeSciences in Ontario Statistics

Companies	815
Employees	43,000
Revenues	\$14.3 billion
R&D Expenditure	\$8.5 billion annually

Ontario LifeSciences Employment by Sector

Pharmaceuticals	38.6%
Biotechnology	53.0%
Medical and Assistive Devices	8.4%

**Primary Source: investinontario.com*

