

INNOVATION NOW

A MONTHLY SHOWCASE OF CANADIAN RESEARCH THAT IS TRANSFORMING OUR DAILY LIVES

At work for the economy

Hundreds employed to fight infectious disease

The new International Vaccine Centre — a research hub for developing and testing vaccines based at the University of Saskatchewan and funded by the Canada Foundation for Innovation — is responsible for creating hundreds of jobs in the Saskatoon region. [READ MORE](#)

IT lab essential for cyber security companies

Industrial cyber security is a rapidly growing \$200-million a year global business. Two B.C.-based companies have become important players in this field, thanks in part to the Internet Engineering Lab (IEL), a network test and measurement facility at the British Columbia Institute of Technology. [READ MORE](#)

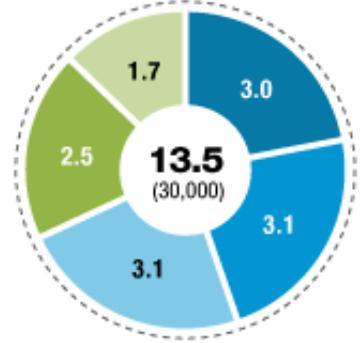
Green solutions help business bloom

Research on soil fungi at Université de Montréal contributes to the development of an eco-friendly product line that improves crop yield, reduces the need for phosphate-based fertilizers and helps Canada's top horticultural company prosper in Rivière-du-Loup, Que. [READ MORE](#)

DID YOU KNOW?

TRAINING THE NEXT GENERATION OF INNOVATORS

Average number of HQP trained per project (total number of HQP)



- Post-doctoral fellows (3,800)
- Technicians (5,700)
- Doctoral students (7,000)
- Master's students (6,800)
- Undergraduate students (6,600)

Totals may not add up due to rounding.

The quality of research facilities is often a factor students consider when choosing where to pursue graduate studies. Training on state-of-the-art equipment can give students a leg up when it comes to entering the job market.

[Read the full story...](#)

Spotlight on research

Relieving the pressure

An innovation in engineering helps prevent bedsores — a common, and costly, medical issue

Fidget. We've been told not to do it from the time we were young. And yet fidgeting could be the key to preventing pressure ulcers, also known as bedsores, which largely affect people with limited mobility. Pressure ulcers are painful blisters or sores that form when constant pressure shuts down the blood flow to part of the body. This skin damage is an indicator of more serious injury in the underlying tissues, bones and joints. "So why can able-bodied individuals sit in front of their computers eight hours a day and not develop a pressure ulcer?" asks University of Alberta researcher Vivian Mushahwar. "The difference is they fidget, and they do it all the time." Recognizing this critical difference is how the idea for Smart-e-Pants came about. [READ MORE](#)



CFI-funded research in the news

ECOLOGY — Researchers are reporting the largest bat population in New Brunswick has been wiped out by a deadly infection. (CBC.ca, May 3, 2012)

[LINK TO STORY](#)

ROBOTS — Les robots ne sont pas que sur le point de conquérir l'espace, ils pourraient bien débarquer un jour dans nos maisons (Radio-Canada.ca, le 3 mai 2012)

[LIEN VERS L'ARTICLE](#)

DESIGN — Queen's University opens the first ever 'boutique' laboratory by world famous designer (Daily Planet, May 2, 2012)

[LINK TO STORY](#)

ARCTIC — Scientists' Arctic drilling plan aims to demystify undersea greenhouse gases (Regina Leader-Post Online, April 28, 2012)

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