



Inspiring innovation
Inspirer l'innovation

A light gray world map is centered in the background of the slide.

Overview

Presented by:
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Director Strategic Accounts, Business Development

Industry - Academic Innovation Collaboration & Talent Development

Mitacs

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Mitacs is a Canadian national non-profit organization with programs, funding, and networks for industry-academic innovation collaboration and next gen talent development.



Industry - Academic Innovation Collaboration & Talent Development

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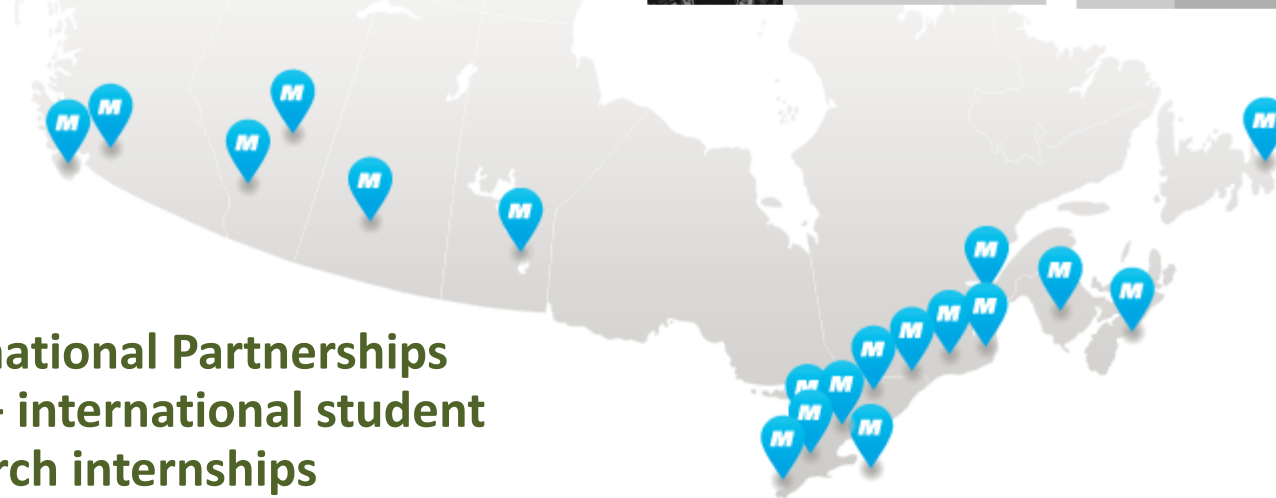


Bring together industry, universities and governments to drive innovation



Mitacs Across Canada, and International:

- ➔ National network
- ➔ Non-Profit, funded by federal and provincial governments
- ➔ 19+ years in operation
- ➔ 65+ university partners
- ➔ 16,000+ innovation & research projects solving business & societal needs and opportunities
- ➔ 160+ staff, 30+ offices
 - 3 hubs: Vancouver, Toronto, Montréal



- ➔ International Partnerships
- ➔ 3000+ international student research internships

TALENT & INNOVATION STRATEGIES

Mitacs

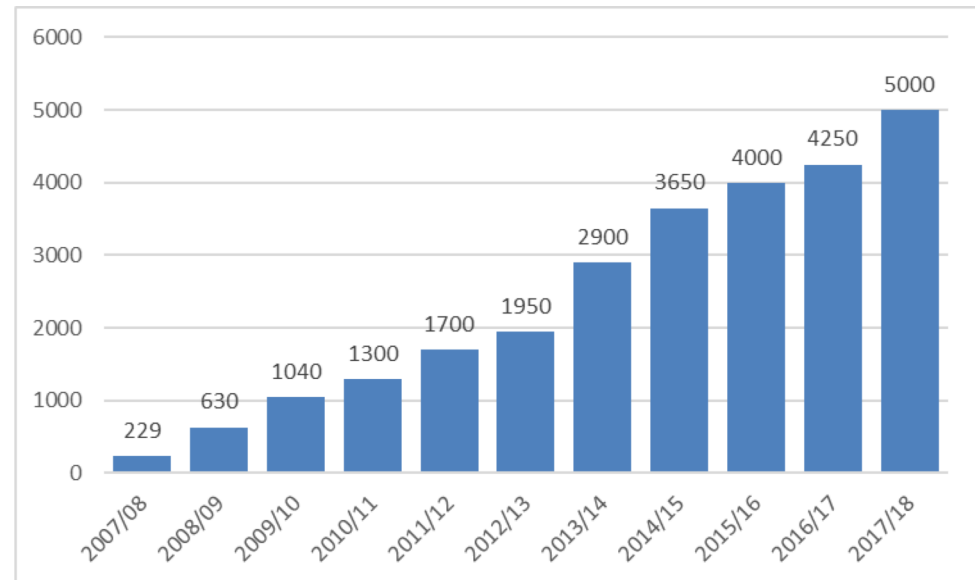
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Mitacs: Talent. Ideas. Networks.

In March 2017, Mitacs was awarded \$221M by the federal government for work integrated learning industry-academic collaboration. Its unique programs advance companies from start-ups to multinationals.

Accelerate growth

- ➔ **> 26,000 internships** throughout Canada since 2007
- ➔ **In 2016-2017**
 - 4,250 internship units submitted
 - Value of \$63 M in Canada
- ➔ **In 2017-2018**
 - 5,000 internship units submitted
 - Value of \$74,8 M in Canada



Federal funding confirmed for 5 years
Provincial funding confirmed in many provinces

Projected growth
Reaching 10,000 internship units by 2021
8,000 under Accelerate = doubling within 5 years

Organizational Partners

- ➔ Canadian for-profit and crown corporations
- ➔ For-profit businesses with facilities operating inside or outside Canada
- ➔ Domestic or foreign-owned
- ➔ Established, start-ups, SMEs
- ➔ Eligible not-for-profits
 - Projects must demonstrate economic or productivity orientation
 - must be incorporated as a not-for-profit organization



How we do it

Mitacs Core Programs



- Collaborative industry academic applied research and innovation



- R&D management leaders | Post-Docs Only

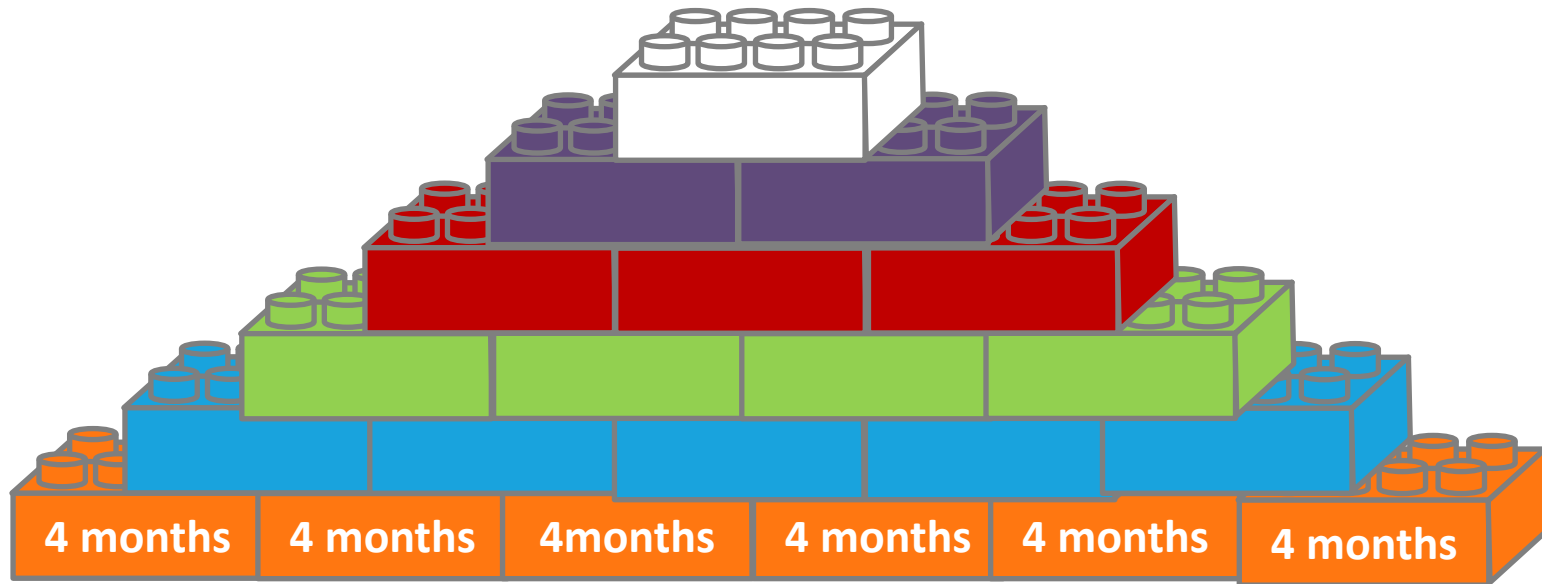
How we do it;



- ➔ Industry defined projects
 - Problem solving: “research” as the tool
- ➔ 4 month or longer projects
- ➔ Scalable: from \$15,000 to multi million \$
- ➔ Mitacs adds matching funds
- ➔ Mitacs staff on-hand to help
 - Including finding academic expertise
 - Leverage standard Mitacs agreements; facilitate IP discussions

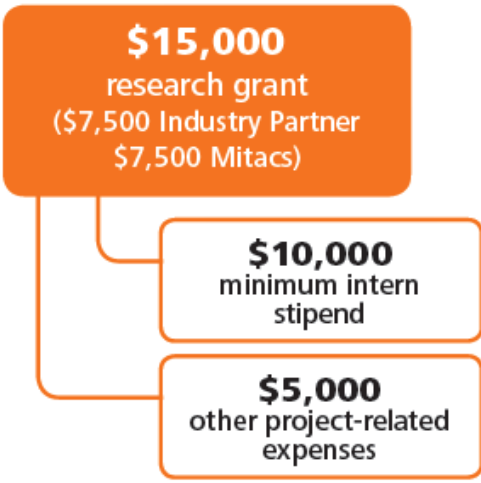


Scalability: build long-term large-scale projects

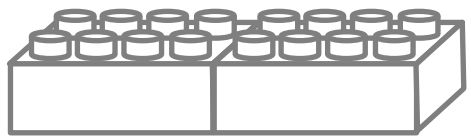


- ➔ **Multiple universities/multiple disciplines/multiple years** for the umbrella research project

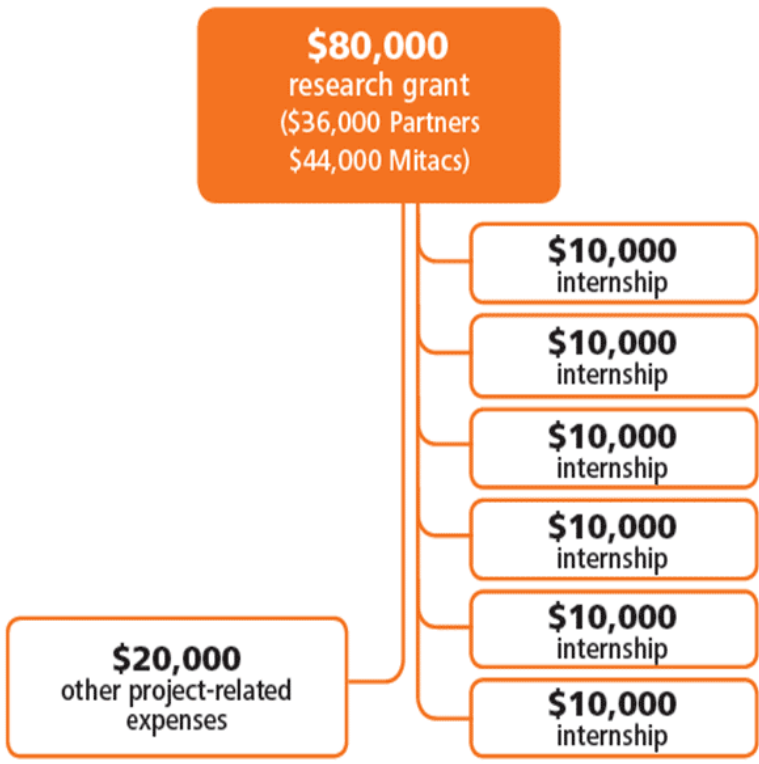
Standard: 1-5 internships



4 months

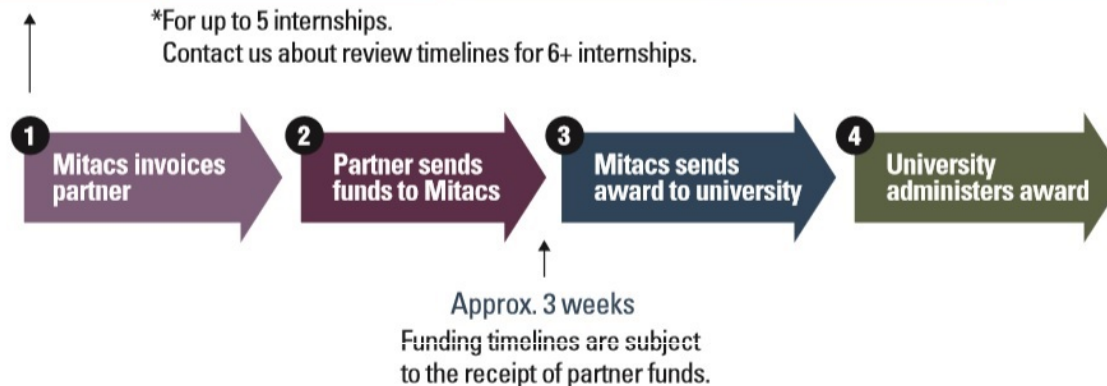
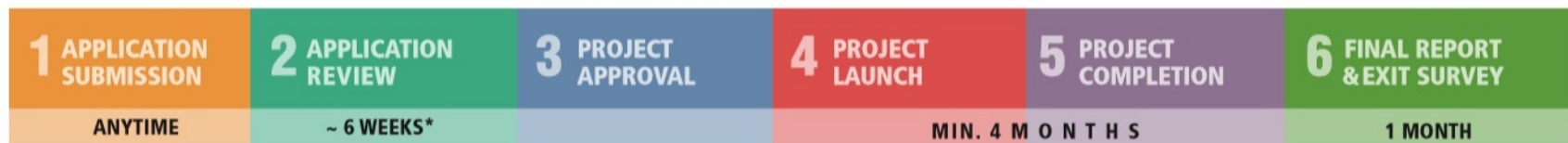


Cluster: 6 or > internships



Accelerate – Process

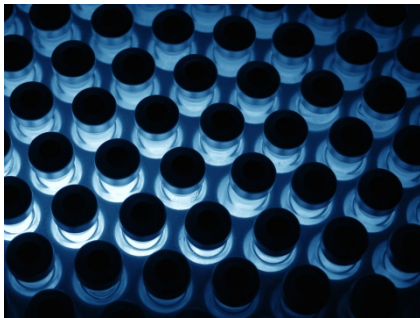
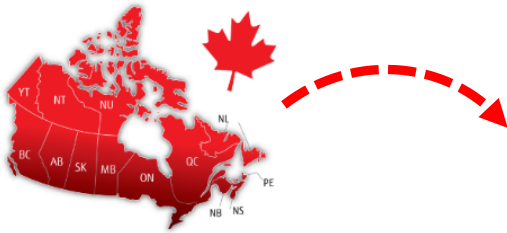
HOW IT WORKS



Accelerate International (AI)



- ➔ Research collaborations between international companies and Canadian universities or Canadian companies and international universities
- ➔ 16–24 weeks (grad student spends 75% of project abroad, 25% at home university)
- ➔ All disciplines, no application deadlines
- ➔ Open to any of your company's international locations



- ➔ Post-doctoral fellows learn to translate research into long-term business value
- ➔ Vehicle to recruit and qualify a potential future research leader
- ➔ Only post-doc program to provide research management training
- ➔ Focuses on 3 competencies



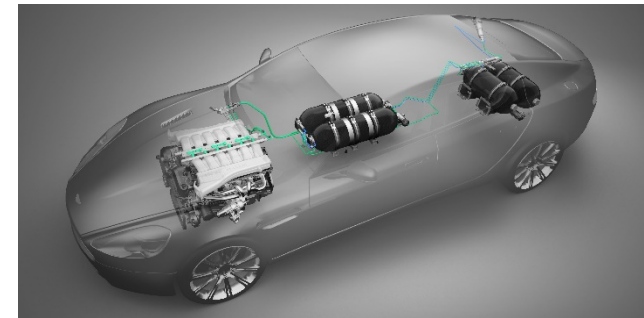
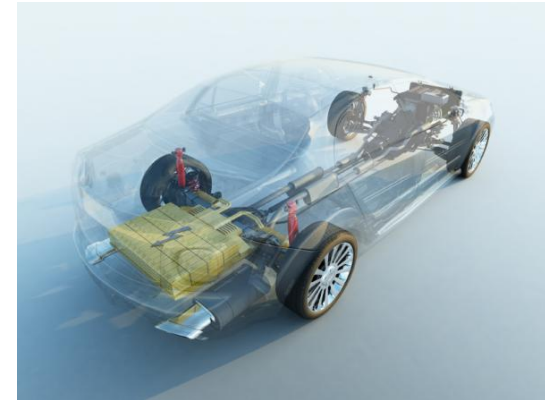
**Leadership &
Management**

**Communication
& Relationship
Building**

**Personal &
Professional
Management**

Mitacs Funded Projects

CleanTech: Hydrogen Storage



Breakthrough in solid state hydrogen storage nanomaterial

Mining Technology: Waste Reclamation



Enhancing the sustainability of mining by improving the ore extraction and metal recovery process



University
of Victoria



McGill
UNIVERSITY

Mitacs Funded Projects



Project : Improving efficiency and safety in aviation industry using big data analytics

Partner : CAE

Professor : Gilles Savard

Sector : Aerospace and defense

Discipline : Mathematics

University : Polytechnique Montréal

➔ **Project :** Adaptive Detection and Tracking of Multiple Persons in Real-Time Video Surveillance

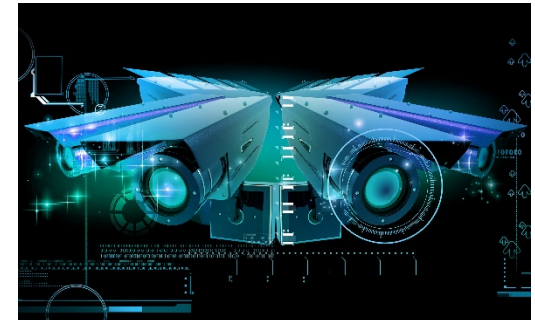
Partner : Genetec Inc.

Professor : Eric Granger

Sector : Information and communications technologies

Discipline : Engineering - computer / electrical

University : Ecole de technologie supérieure





METAOPTIMA

SIMON FRASER
UNIVERSITY

MoleScope™ from research at SFU is designed to help track and monitor moles over time for skin cancer prevention.



Maryam Sadeghi, PhD
CEO and Co-founder



Majid Razmara, PhD
CTO and Co-founder

Mitacs
Accelerate | Elevate

Our Funding Partners



Western Economic
Diversification Canada

Diversification de l'économie
de l'Ouest Canada



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