Mitacs: Proven Partner in International Innovation

Christopher M. LaPrade
International Activities
American Chemical Society

Brian Kalakula
International Relations Officer
Mitacs
Welcome

- Christopher M. LaPrade
  ACS International Activities

- Brian Kalakula
  Mitacs International Relations Officer
ACS International Activities and Scientific Mobility

• Article II, Section 3 ACS Constitution

“The SOCIETY shall cooperate with scientists internationally and shall be concerned with the worldwide application of chemistry to the needs of humanity.”

• ACS Position Statement – Freedom of International Scientific Exchange
  – Advocates freedom of scientific exchange and stronger scientific collaboration to benefit humankind.

• ACS Position Statement - Visa Restrictions and Scientific Progress
  – Supports timely and reasonable screening processes for visits, greater transparency of the application process, and the issuance and management of visas that are more aligned with the purpose of academic study and scientific exchange.
About ACS

ACS Vision:
“Improving people’s lives through the transforming power of chemistry”

ACS Mission:
“Advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people.”

• Over 150,000+ members
  – 187 Local Sections
  – 32 Technical Divisions
  – 21 International Chapters
  – 2,500 ACS Members in Canada

• 87% of members have degrees in chemistry, 13% in other fields

• >55% of members in business & industry

• Over 25,000 members living outside the U.S.

• 2 locations – Ohio and Washington, D.C.
ACS International Activities

**ACS Committee on International Activities (IAC)**

The Committee on International Activities assists scientists and engineers worldwide to communicate and collaborate for the good of the chemical and chemically related sciences, chemical engineering, and their practitioners.

Website:

**ACS International Activities (OIA)**

- Members, partnerships, exchanges
  - [www.acs.org/international](http://www.acs.org/international)
    - Funding opportunities: Global Innovation Grant, IAC Stopover
- Global Chemistry Newsletter (to subscribe email: intlacts@acs.org)
The ACS International Center™ is the essential guide for scientists and engineers looking to study, work, and conduct research overseas.

• **Vetted, curated Information:** on over 600 international STEM scholarships, internships, and travel awards, and collaboration opportunities.

• **Insider tips:** on upcoming calls for proposals, eligibility updates, and deadline extensions

• **Interact with Funders:** with representatives from embassies and international organizations

• **Get Questions Answered:** Learn about the latest information related to scientific mobility
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May 22, 2018
Presentation Plan

- Why Mitacs

- Programs to help create research collaborations
  - Accelerate and International Accelerate
  - Examples of successful University-Industry collaborations
  - Globalink
Why Mitacs?

- Independent, not-for-profit research organization
- Governed by Canada’s research universities
- 18 years in operation
- 16,000+ research projects to solve business and societal challenges and drive innovation
- 140+ staff, 30+ offices
  - 3 hubs: Vancouver, Toronto, Montréal
Mitacs’ Mandate

Bring together industry, universities and governments to drive innovation
Why Mitacs?

Partner Advantages

Access **expertise** not currently available in-house

Create a pipeline for **talent recruitment**

Develop IP

Leverage R&D budget and get **on-site researchers** for your project
Building research collaborations between academia and industry

- 4,000+ research units a year, growing to 10,000
- From $15,000 to $2M+. No maximum.
- Co-fund model: 1$ industry = 1$ Mitacs
- All disciplines, all sectors
- Match the R&D needs of a company to a grad student (Masters, PhD, Post-Docs) and his/her supervisor
- Our flagship program!

www.mitacs.ca
Mitacs Suite of Programs

**Accelerate**
National, cross-disciplinary grad student and postdoc collaborative research-based internship program

**Converge**
Collaborative projects to connect small- to medium-sized Canadian enterprises to multinational firms through R&D supply chains

**Elevate**
Two-year postdoctoral fellowships connecting new PhDs with companies while providing valuable skills training

**Globalink**
12–24 week international research internships between Canada and select partner countries

**Training**
Professional development training to build key competencies for graduate researchers seeking a competitive advantage for their future careers

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**Goal**
To develop the next generation of researchers and innovators for Canada’s knowledge-based economy.
Mitacs International Mobility Initiatives

Travel to Canada
- Globalink Research Internships
- Globalink Research Awards
- Accelerate International

Travel From Canada
- Globalink Research Awards
- Accelerate International
International Programs

Building a talent bridge

- Globalink Research Internships (to Canada)
- Globalink Research Awards (to and from Canada)
- Accelerate International (only bilateral where there is a partnership agreement in place)

Existing partnerships: Australia, Brazil, China, France, Germany, India, Israel, Japan, Mexico, Norway, Saudi Arabia, South Korea, Tunisia and Ukraine
International Accelerate (IA)

- 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): Masters, PhD
- All disciplines, no application deadlines
- Open to any country
International Accelerate (IA)

Outbound

- Industrial partner abroad
- For Profit companies only
- Intern in Canada
- Any country
- Masters and PhD (post-docs)
- 1-2 units/intern
- Funding model: standard, cluster
- Applications are accepted any time
- 16-24 weeks research projects
International Accelerate (IA)

Inbound

- Industrial partner in Canada
- For Profit Companies, NFP, Crown Corporations
- Intern abroad
- France, Israel, Mexico (*CONACyT*), Norway
- 1 Canadian Professor, 1 Foreign Professor
- Masters and PhD
- 1 unit/intern
- Funding model: standard
- Applications are accepted any time
- 16-24 weeks research projects
Accelerate & International Accelerate

**Standard vs Cluster**

**Standard**

- $15,000 for 1 block,
  - 7,500 $ Partner
  - 7,500 $ Mitacs

  - $10,000 Min. intern stipend
  - $5,000 Project related expenses

**Cluster**

- $80,000 for 6+ blocks
  - 36,000 $ Partner
  - 44,000 $ Mitacs

  - $60,000 Min. intern stipend
  - $20,000 Project related expenses

*4-6 months*
University-Industry collaborations

Are collaborations seen as relevant for the industry?

92% of companies we surveyed would recommend Accelerate.

Profit Growth
- 11% saw increased sales
- 18% saw cost savings

Skills & Talent
- 30% hired at least one of their interns
- 47% engaged in new collaboration(s) with the academic sector
- 82% continued collaboration with the academic supervisor

New Product Development
- 66% said project results have been or will be commercialized
- 36% had a new or enhanced product developed

R&D Advancements
- 74% saw increased value for R&D and innovation
- 37% launched new R&D projects
- 62% continued developing research from the project

Source: Mitacs Accelerate Survey Results from 200+ Businesses
Mitacs Globalink is building a living bridge between Canada and its international partners, establishing and reinforcing international links through the two-way mobility of exceptional students and early career researchers.

Recruiting top international students and early career researchers to Canadian universities:

Research Internship (GRI)
Research Award (GRA)

Sending Canadian students abroad to work with leading international researchers

Research Award (GRA)
Globalink Research Internship

- 12-week research internship for senior undergraduates students from Mitacs partner countries
- Supervised by faculty at a Canadian host university
- Projects are drawn from 2,500+ research topics across all academic disciplines, submitted by Professors at Canadian universities
- Australia, Brazil, China, France, India, Germany, Mexico, Saudi Arabia, Tunisia, and Ukraine
Program Overview

How it works

• 700+ brightest students work with top Canadian researchers on research projects annually
• Projects are drawn from 2,500+ research topics across all academic disciplines, submitted by Professors at Canadian universities (over 45 universities)
• Students apply directly to these projects, via Mitacs
• After reviewing student eligibility, Mitacs facilitates “matching” between faculty and students
• Students travel to Canada for 12 consecutive weeks between May and October to perform research
• Mitacs provides funding for travel, accommodation, health insurance, and living stipend
Globalink Research Award

- Bilateral research collaborations for senior undergraduate and **graduate students** with universities abroad (mainly **Masters, PhD**)
- International collaborations
- Opportunities with Mitacs partner countries
- 12–24 weeks
- $6K–$10K in funding
- Australia, China, EU members, Israel, India, Japan, Korea, Mexico, Norway, Saudi Arabia, Tunisia, United Kingdom, United States
International Partnership Team

Our Offices

Montreal Office
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Toronto Office
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Toronto, ON M5G 1L5
Tel. 647.478.5904

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Tel. 604.822.9189

Mitacs also has offices in
- Calgary
- Fredericton
- Halifax
- Hamilton
- Kingston
- London
- Ottawa
- Quebec City
- Saskatoon
- Scarborough
- Trois-Rivières
- St. John’s
- Victoria
- Waterloo
- Winnipeg

Vice-President International Partnerships

Senior International Relations Officer

Brian Kalakula, International Relations Officer,
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QUESTIONS?
Submit them into your Gotowebinar chat box now*

Or, visit:
http://global.acs.org
E-mail ic@acs.org

*Unanswered questions will be addressed after the session and posted online along with a webinar recording and presentation slides, after the session
Thank you for tuning in!

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