Mitacs and Academe Partnerships: Connecting universities and colleges with industry and community partners

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Agenda

- Why Mitacs?
- Program goals
- Details
- Next steps
Why Mitacs?

- National research network
- 19 years in operation
- 16,000+ research projects
- 65+ academic partners
The Mitacs network
Mitacs by the Numbers

- **$145M** Private Sector Investment
- **4250+** Industry Partners
- **33000+** Students Career-Ready
- **60+** University Partners
- **20000+** Innovative Research Projects
- **3600+** International Student Research Internships
- **1450+** Professional Skills Workshops
Why Mitacs?

Program growth

Mitacs research projects

- 2003/04: 18
- 2004/05: 30
- 2005/06: 85
- 2006/07: 170
- 2007/08: 240
- 2008/09: 675
- 2009/10: 1060
- 2010/11: 1544
- 2011/12: 1576
- 2012/13: 2109
- 2013/14: 2804
- 2014/15: 3946
- 2015/16: 4825
- 2016/17: 4999
Why Mitacs?

The Mitacs network

- Small & medium business
- Large business
- Not-for-profit organizations

- Computer science
- Mathematics
- Engineering
- Genetics
- Anthropology
- Chemistry
- Economics
- Languages & linguistics
- Forestry
- Business
- Geography
- Education
- Health sciences
- Interactive arts
- History
- Psychology
- Social work
- And more...
Mitacs program goals

- Support flexible, collaborative research projects
- Attract new funding
- Maintain high-quality research
- Support all disciplines
- Support international research collaborations in Canada and abroad
- Train graduates and postdocs for their careers
Collaboratory Academic Research

Industry
- Accelerate
- Elevate
- Accelerate International

Academic
- Globalink Research Internship
- Globalink Research Award
- Accelerate International

Government
- Canadian Science Policy Fellowship
Building research collaborations

- From $15,000 to $2M+ in funding
- Supports grad students, college students and PDFs
- Non-competitive: apply any time
- Peer reviewed; quick turnaround
Scalability: build large-scale projects

- Can build bigger projects from simple 4-6 month units
- Matching starts at 1:1; stronger Mitacs leveraging available with bigger projects
- Projects can be multi-disciplinary (and multi-partner)
Funding Model

Standard

$15,000 research grant
($7,500 Partner
$7,500 Mitacs)

$10,000 minimum intern stipend

$5,000 other project-related expenses
Accelerate International

- Research collaborations between international companies and interns, faculty at Canadian universities
- 75% abroad, 25% - home university
- All disciplines, no application deadlines
Accelerate Fellowships

- Research collaborations between companies and grad students, faculty at Canadian universities
- Longer-term collaboration
- Matching 1:1.22
- All disciplines, no application deadlines
- Professional development
# Accelerate Fellowships

<table>
<thead>
<tr>
<th></th>
<th>Masters</th>
<th>PhD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project length</td>
<td>18 months</td>
<td>36 months</td>
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<tr>
<td>Total research award</td>
<td>$40,000</td>
<td>$80,000</td>
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<tr>
<td>Minimum intern stipend</td>
<td>$30,000</td>
<td>$72,000</td>
</tr>
<tr>
<td>Partner contribution</td>
<td>$18,000</td>
<td>$36,000</td>
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Partners

- For-profit Canadian or international companies
- Utility providers, NGOs
- Eligible not-for-profits and Crown corporations
  - Projects must demonstrate economic or productivity orientation
  - must be incorporated as a not-for-profit organization
Partnering resources

Newsroom

Research Partnerships 101: How to find non-academic collaborations that can advance your career

03/31/2015
Grad students: are you looking to become more employable? Want to get a better starting position? Interested in a new perspective on your research?

Research Partnerships 101 is a Mitacs-hosted webinar (originally broadcast on March 18, 2015) that explores how graduate students can acquire research experience in the fields of their choice.

View the recording at: bit.ly/ResearchPartnershipsWebinar (registration required)

Topics include:
- Why Canada needs graduate-level skillsets
- How to do research with a non-academic partner
Partnersing Resources

Put your talent to work with an organization that needs it. Funding starts at $15,000.

HOW IT WORKS
Nonlinear projection methods for prediction of trends in cancer incidence and mortality
The challenges of curating Latin American cinema in the 21st century
Impact of high frequency offenders on the operation of the criminal justice system in BC
Creating R&D leaders

- Two-year PDF
- Professional management training
- Build a research leader for your lab
- Research collaboration with partner
- Open to any discipline
- Competitive applications
- $135,000 value
Elevate Training Program

- Only post-doc program to provide research management training
- Focuses on 3 competencies

**Leadership & Management**

**Communication & Relationship Building**

**Personal & Professional Management**

Training includes:

- Assessment of skills leading to individual development plans
- In-person & online training with focus on project management
- Exclusive learning and collaboration management system
- Preparation of a business case
- LinkedIn and CV support
Elevate Annual Funding Cycle

**Elevate Fellowship**

- Postdoc salary/stipend: $55,000*
- Other project-related expenses: $5,000*
- Total training program valued at $15,000

**Annual Contributions***
- $30,000 Partner
- $25,000 Mitacs (+$7,500 value in training)
- $5,000 University

*per year over two years
Global ground stability mapping with radar satellites
EARtrode, a wireless in-ear custom-fitted intelligent brain computer interface
Designing and Development of a Home Safe Living System for Aging, Rehabilitation, and Geriatrics
International opportunities

- Research collaborations for senior undergraduate and graduate students in Canada and abroad
- Bringing the world’s brightest students to Canada
- Overseas research opportunities for students in Canada in academia or industry
Two-way research mobility

Research Internship
Graduate Fellowship
Research Award
Accelerate International

Research Award
Accelerate International

Mitacs Globalink

www.mitacs.ca
Globalink Research Internship – inbound

- Research collaborations between international undergraduates and faculty at Canadian universities
- Summer research projects
- All disciplines
- Alumni qualify for Globalink Graduate Fellowship ($15,000)
Globalink Research Award

- Research collaborations for senior undergraduate and graduate students with universities abroad
- Opportunities with Mitacs partner countries
- 12 – 24 weeks
- $6,000 - $10,000 award
*Mitacs Partner countries*

- Australia
- Brazil
- China
- EU members — France, Germany, etc.
- India
- Israel
- Japan
- Korea
- Mexico
- Norway
- Saudi Arabia
- Tunisia
- U.S.A.
- United Kingdom
- Ukraine
Understanding the Mechanisms of Serotype Replacement in Vaccine-Preventable Diseases
Flocking behavior research
Globalink Research Award

Mitacs provides for students a list of faculty members who are open to hosting students through the Globalink Research Award. We encourage interested students to review each professor’s website to learn more about their research prior to contacting them. You can also read our blog post on tips for finding a professor.

If you’re a faculty member in a Mitacs partner country, create an account to complete and submit the form to be featured on this page.

This optional tool is intended to connect international professors with students in Canada and does not guarantee funding. Students are responsible for ensuring that a potential host supervisor and student have communicated. Faculty members here, Mitacs does not endorse
Pilot: Canadian Science Policy Fellowship

- Fosters evidence-based policy-making within government
- Faculty members at Canadian universities and postdocs
- 12 month project, $65K - $75K in funding
Mitacs Training: Professional development exclusively for researchers

- For graduate students and postdocs
- 1–2-day workshops
- Transferable skills increase employability
- Workshops include leadership, management, communications, relationship building, entrepreneurialism
Believe the programs prepared grad students and postdocs for a variety of career paths.

Elevate supervisors observed an increase in all the key competencies in their research management training.
One third are commercializing the project results, while another third anticipated commercialization.

- **40%** Developed new or enhanced products

- **50%** Reported new or enhanced processes
Next steps

Contact me to discuss research goals:

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Register to receive updates:
www.mitacs.ca/signup