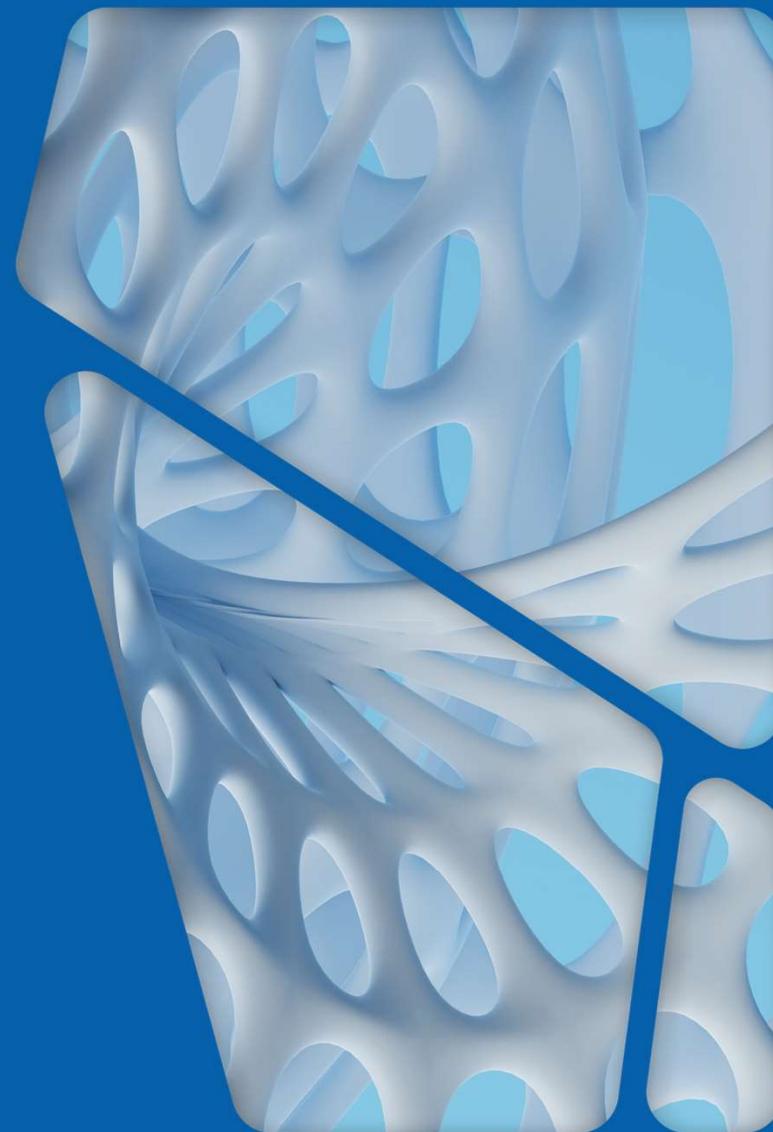




Supporting Research & Innovation

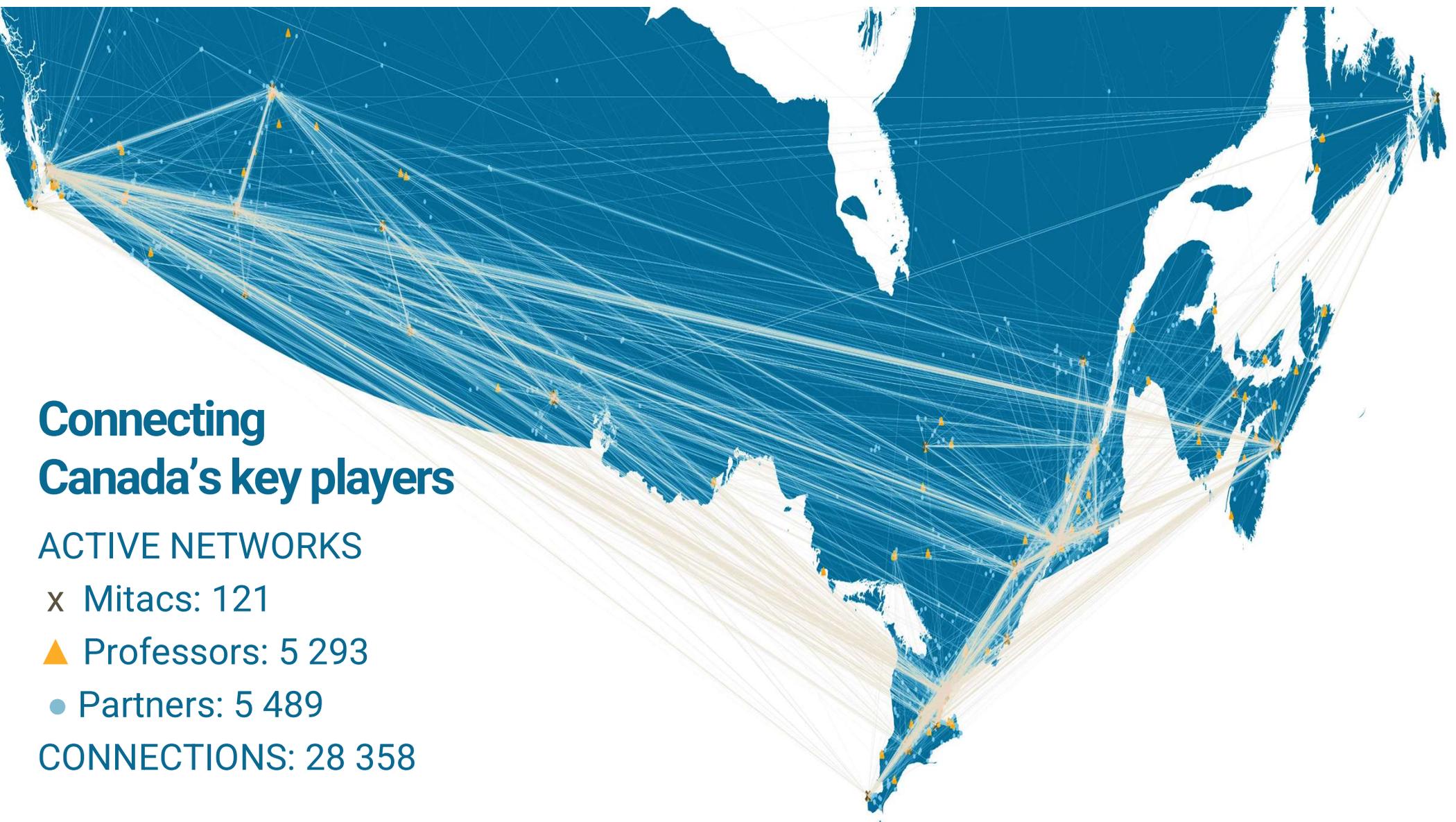
Joseph Santarelli, MEd
Senior Advisor, Business Development
Mitacs





Bringing innovation into reach
for more people in more places through
access to top researchers, flexible
project plans, and
co-investment in talent.





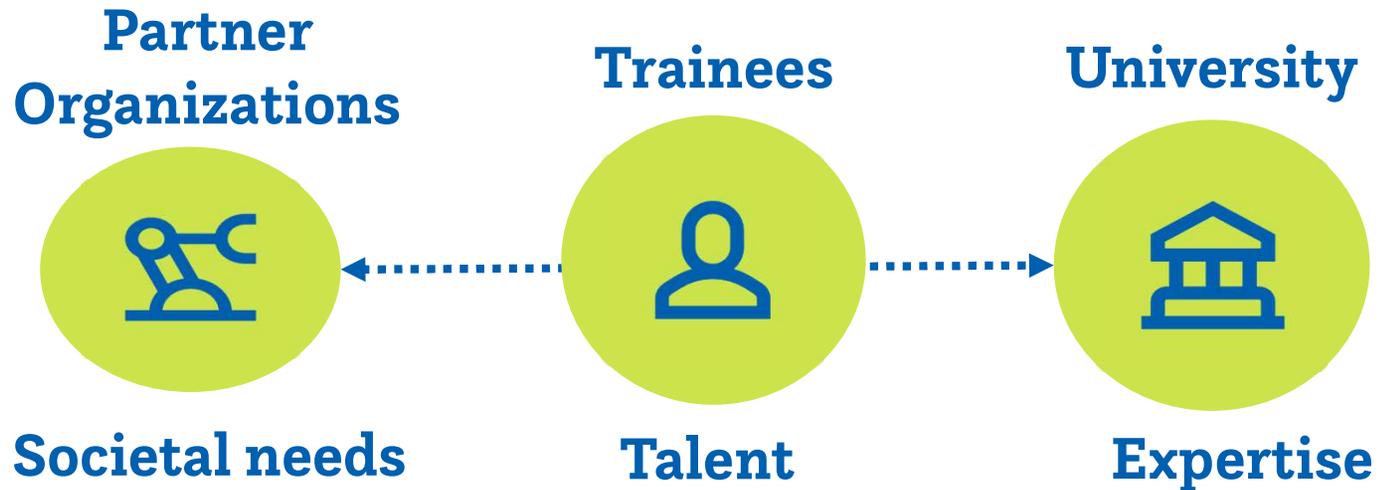
Connecting Canada's key players

ACTIVE NETWORKS

- x Mitacs: 121
- ▲ Professors: 5 293
- Partners: 5 489

CONNECTIONS: 28 358

What does Mitacs do?



- ✓ *Support collaborative research & innovation*
- ✓ *Leverage Universities' talent & resources*
- ✓ *Match industry needs with academic expertise*
- ✓ *Develop solutions to real-world challenges*

We fund the *entire* innovation spectrum



RESEARCH

Accelerate

- ✓ National & International Collaborations
- ✓ Projects involving academic and non-academic organizations
- ✓ Entrepreneurial arm
- ✓ All sectors/disciplines



INNOVATION & DEVELOPMENT

Business Strategy Internship

- ✓ National collaborations
- ✓ Projects involving academic and non-academic organizations
- ✓ All sectors/disciplines



INTERNATIONAL IMPACT

Globalink

- ✓ International research collaborations with academia
- ✓ Bi-mobility of students/HQP
- ✓ All sectors/disciplines

Value to our academic partners



Opportunity to build collaborative, innovative projects with real world impact



Grow — or better harness — your network



Increase funding



Increase trainee/HQP employability



Mitacs in the Quantum Ecosystem



\$29M+ In Project Funding

Source: Mitacs Project Data over the last 5 years

impact: Canada's quantum ecosystem

Internships: 1,800+
Partners: 215+



Fiscal year 2017-present

Mitacs Key Quantum Partners



~ 50 quantum companies in our network

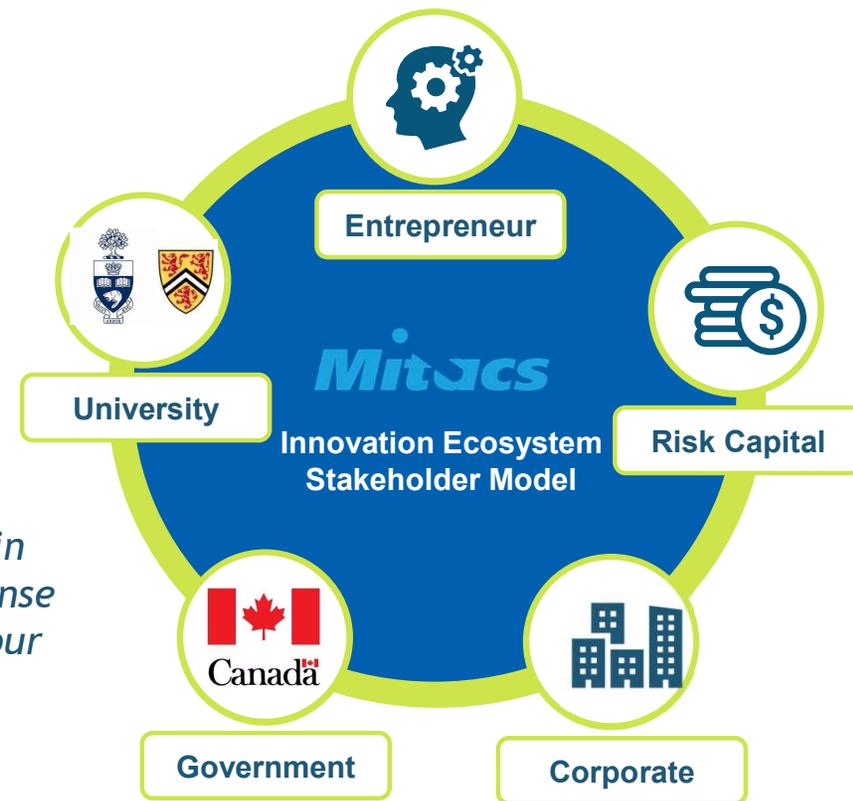
impact: Building a sustainable quantum talent pipeline Xanadu (Toronto, ON)



Mitacs has supported over 100 internships with the quantum computing company Xanadu

Partnering with Mitacs allows us to access key expertise within Canadian academic institutions and to be nimble in our response to opportunities and new directions which appear rapidly in our fast-moving and highly technical field.”

*-Dr. Christian Weedbrook
CEO of Xanadu Quantum Technologies*



Our flagship programs

Accelerate

National and international research collaborations



Accelerate PDF

\$60k/year postdoc fellowship



Business Strategy Internship

Business innovation across Canada



Globalink

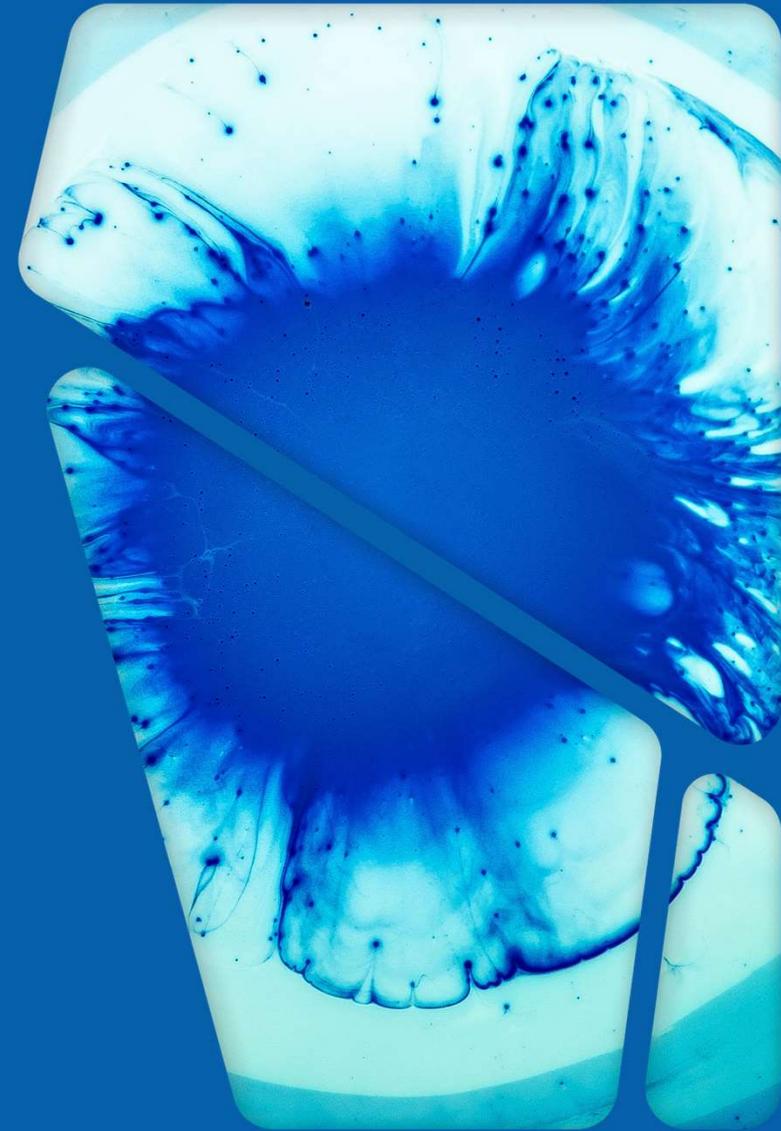
International exchange of students to and from Canada



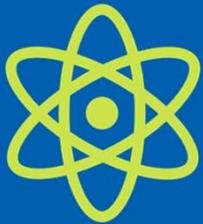


Mitacs Globalink

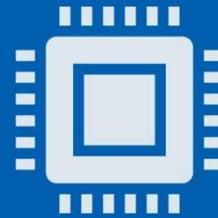
*International Exchange:
Globalink Research Award & Globalink
Research Internship*



Globalink = Quantum Travel Initiatives



Special Initiatives to Encourage Canada's National Quantum Strategy



Build Canada's Expertise in Technologies using Quantum Mechanics and Principles, such as:

Quantum computation (hardware), algorithms, and software,

Quantum communication, networks, and cryptography

Quantum metrology, sensing, imaging, and materials.



Globalink Research Award (GRA)

Two-way mobility of
trainees



University - University
collaborations



Home academic
supervisor
domestically

+

Host academic
supervisor abroad



\$6K - \$12K*
travel grant

12-to-48-week*
research project
(No industry partner required)

**Funding amounts depend on research area, project length, and partner university*

Globalink Research Award (GRA)

Collaborate
with
International
Universities

- All countries are eligible, with a few exceptions
- Open to Canadian universities and international university collaborators, with two-way travel

**\$6,000-
\$12,000***
award per student

- Travelers can be senior undergrads, graduate students, or postdoctoral fellows
- *Funding amounts depends on project length and partners
 - Up to 25% of the project can be done at the home university

Up to
5 travelers
per project

- Each student on a proposal can travel at different times (within 12 months)
- Travel can be in both directions on the same project submission

Our flagship programs

Accelerate

National and international research collaborations



Elevate

1 or 2-year postdoc fellowship



Business Strategy Internship

Business innovation across Canada



Globalink

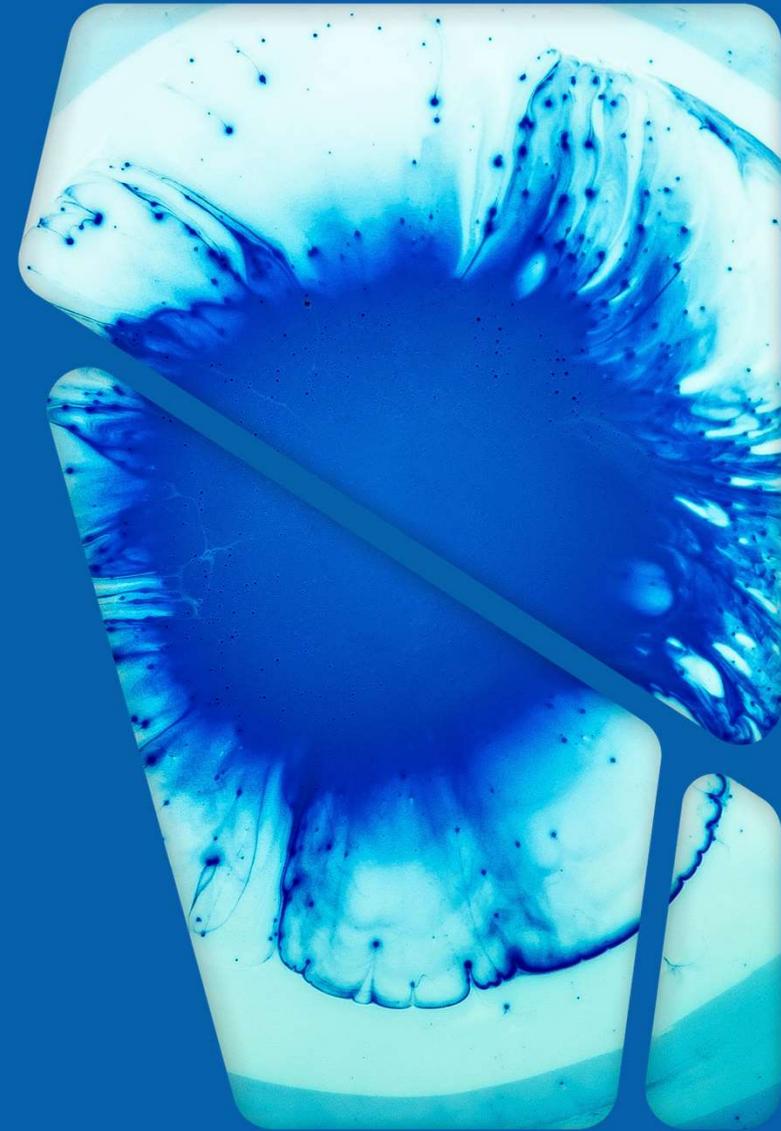
International exchange of students to and from Canada



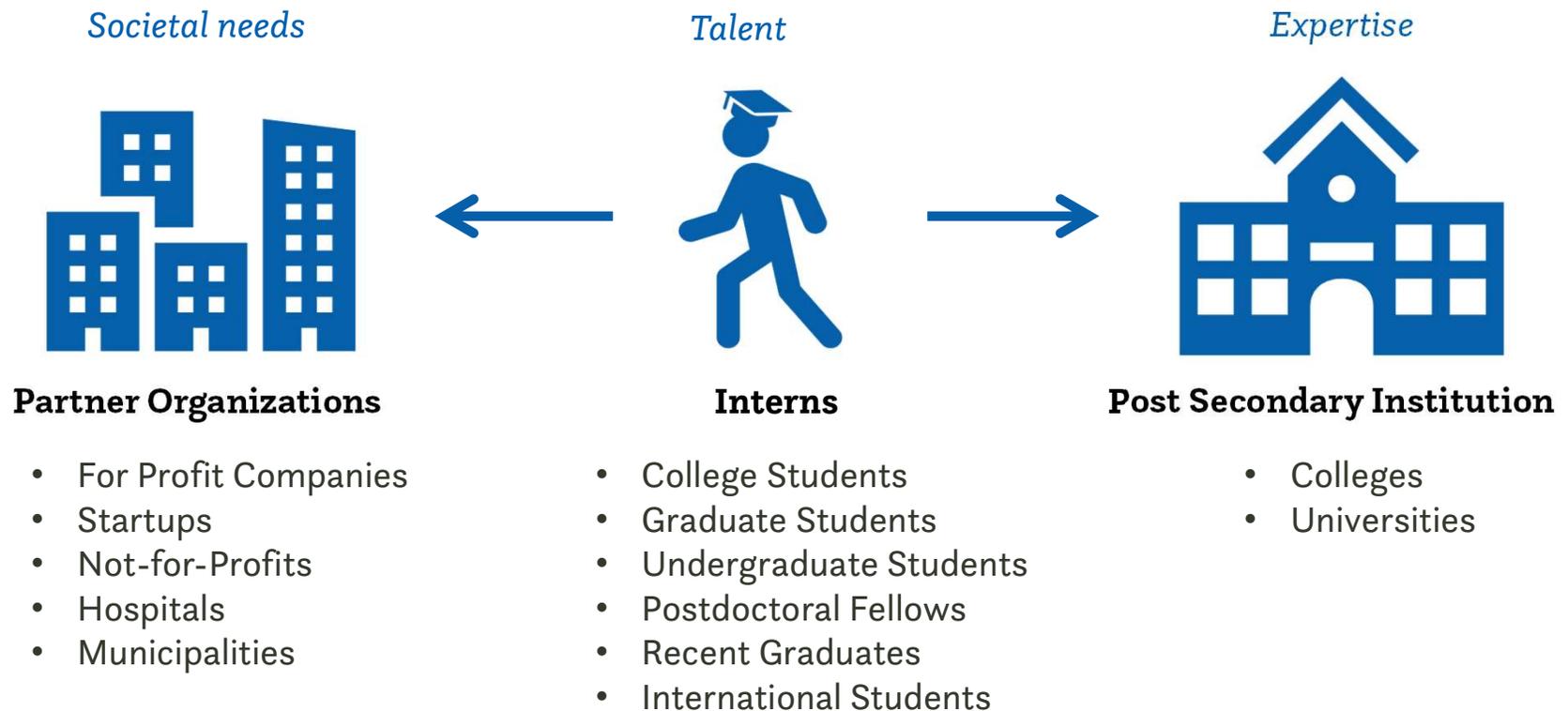


Collaborating with a partner organization

*Accelerate & Business Strategy
Internship*



What do we do?



Mitacs Accelerate - RESEARCH



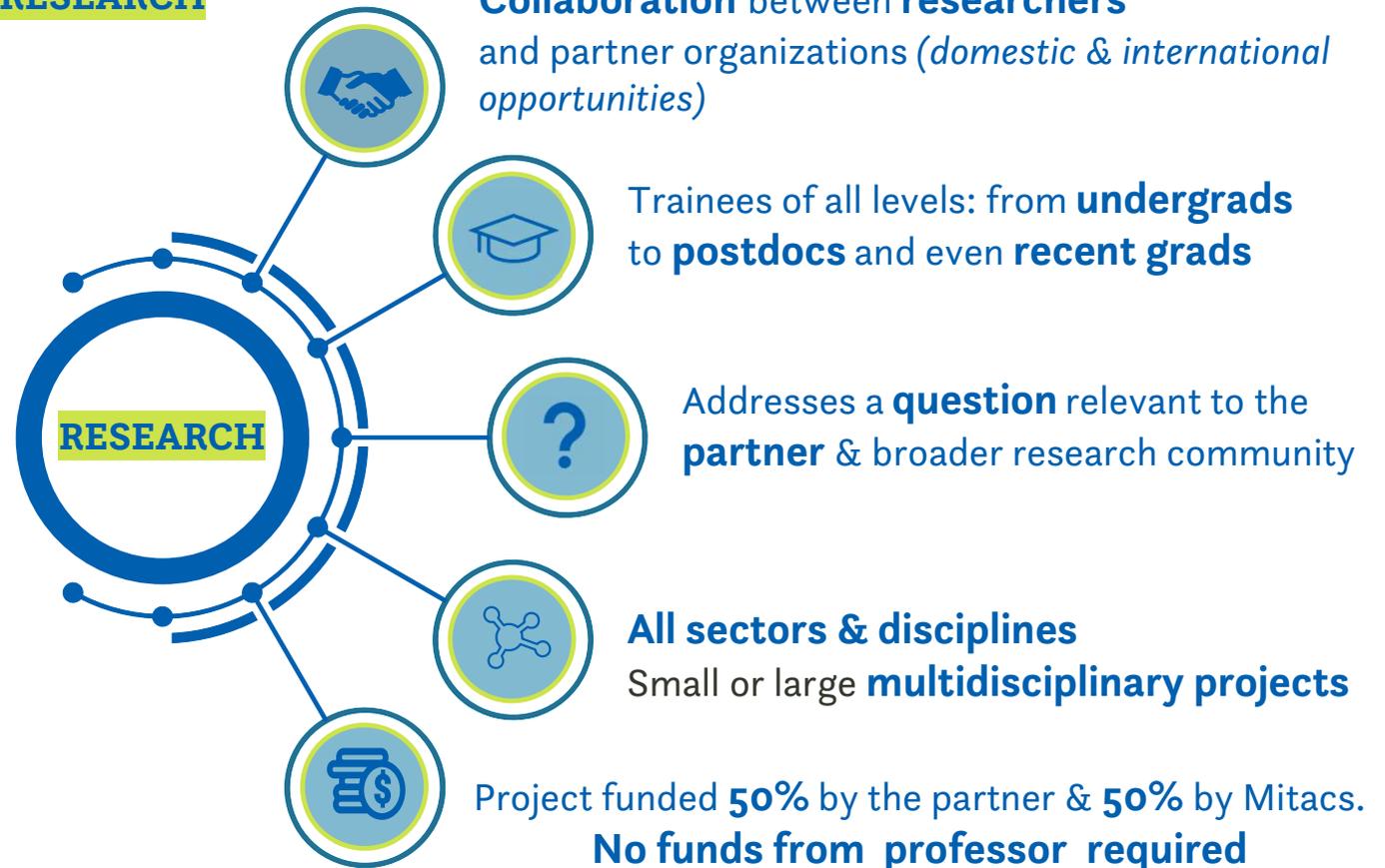
Not a competition:
applications are accepted at
any time



Decision communicated
between
10 -12 weeks



High success rate



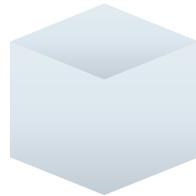
Accelerate + BSI funding model



10K or 15K per block working budget

50% investment
from partner

50% from
Mitacs



4-6 months per block

2/3

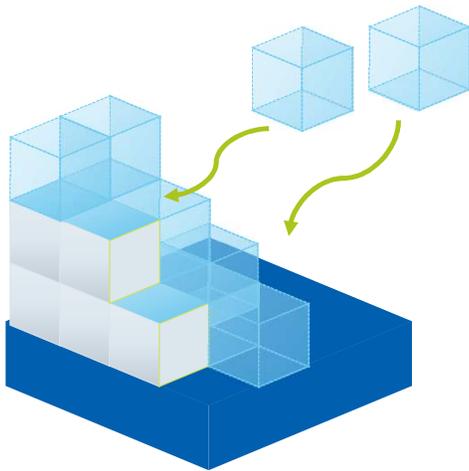
Stipend
\$

1/3

Flex funds
\$

No flex-funds for 10K modules

Accelerate is flexible & scalable



- As many blocks as needed
- Blocks can occur concurrently, sequentially, or a mix
- Can have 'TBD' trainees to allow for recruitment

Trainees can hold multiple blocks

Master's thesis

PhD thesis

Undergraduate Assistantship

Three-year postdoctoral fellowship

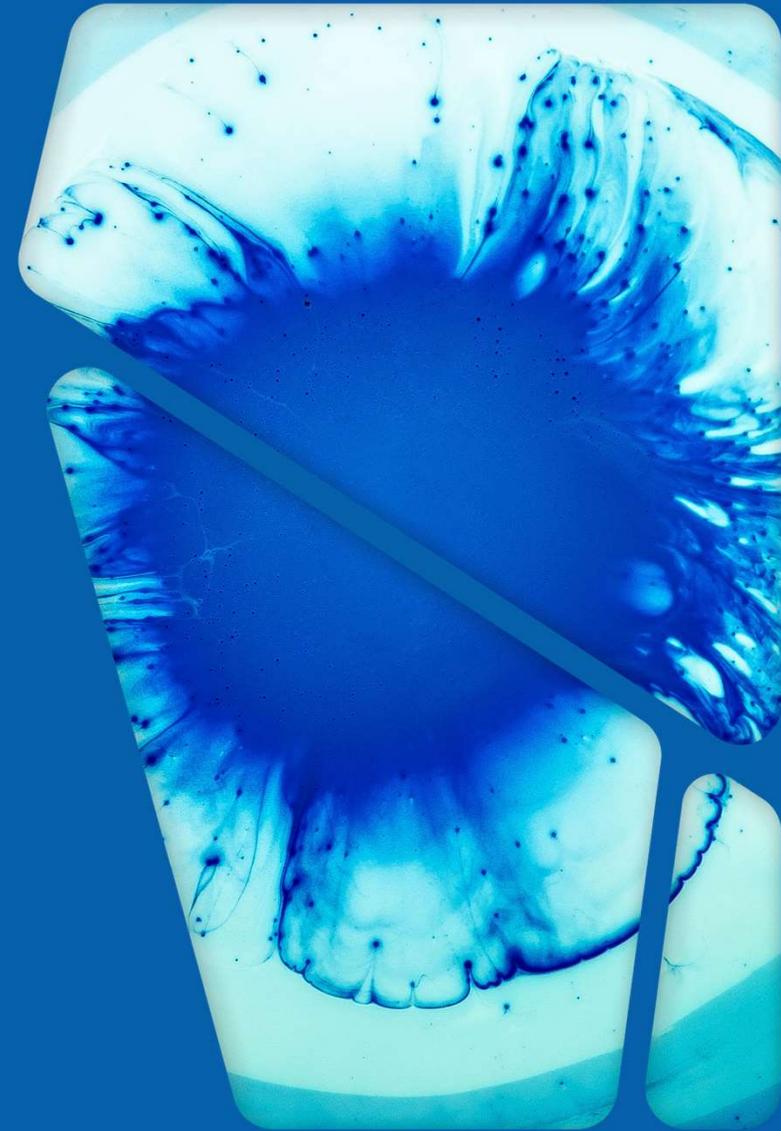
Recent Graduates (up to 1 year)*

*Excludes persons that have completed a post doctoral fellowship



Collaborating with an organization

Business Strategy Internship (BSI)

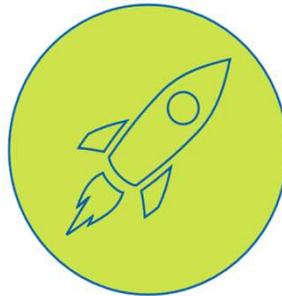


Mitacs BSI

Enhance operations, Improve Processes and Solve Challenges



Partner pays only **50%** of the project cost



Projects that require **INNOVATION**, rather than fundamental research



Same student eligibilities, plug-and-play framework as Accelerate

Projects must improve the function, capability, capacity, or potential of partners

Develop Technologies and Strategies, Optimize Processes, Modernize Practices, Market research, IP, EDI, etc.

Business Strategy Internship - INNOVATION



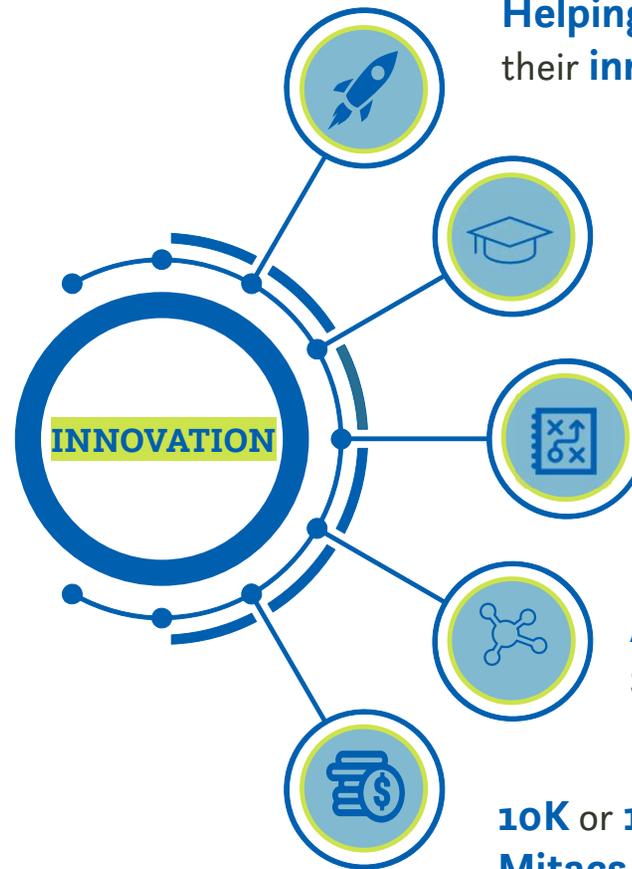
Not a competition:
applications are accepted at
any time



Decision communicated
in ~ **6 weeks**



High success rate



Helping partner organizations on
their **innovation** journey

Same trainee eligibilities & **plug-and-play** framework as Accelerate

Addresses a **business challenge** the
the partner is currently facing

All sectors & disciplines
Small or large **multidisciplinary projects**

10K or **15K** block (4-6 month) cost shared by
Mitacs & partner organization

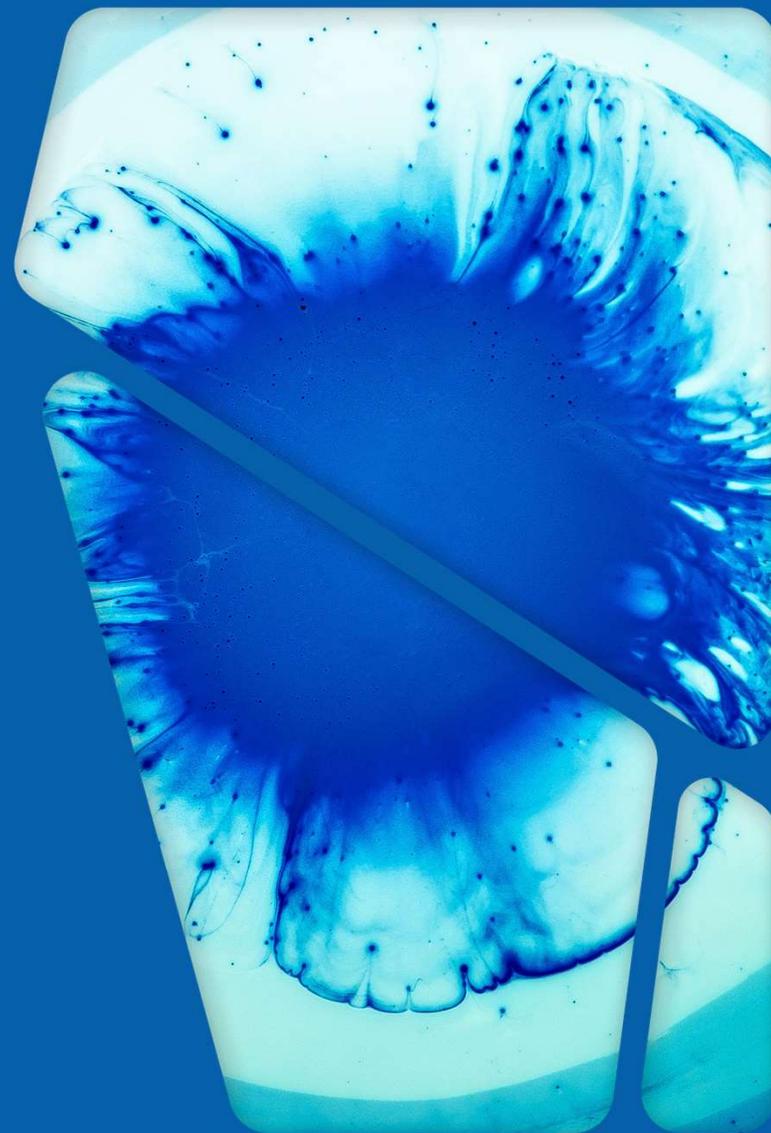
Business Strategy Internship: examples





Special Offerings for Accelerate

*Entrepreneur, International and Joint
Program Options*



Mitacs Accelerate – Strategic Partnerships

Mitacs Accelerate can be used in conjunction with certain other partnership programs



SSHRC  CRSH



GenomeCanada



CIHR IRSC

Mitacs Accelerate – NSERC Alliance

- Available for NSERC Alliance Advantage, applies to new submissions only
- Eligible industry investments counts towards the global budget of the project
- No additional industry cash is required to add on Mitacs funding
- Funding example:
 - NSERC recognizes 2:1 (see NSERC guidelines)
 - Mitacs recognizes industry cash contribution
 - Example: Industry \$30K
NSERC \$60K (2:1)
Mitacs \$30K
Total Budget: \$120K
- Streamlined process – NSERC peer review

Accelerate Entrepreneur



Supports trainee founders to do research **for their own start-up**

✓ Trainee want to create a start-up based on their academic research

✓ Trainee wants to commercialize their research

✓ Trainee is a founder/co-founder of a company advancing research in their field

Bottom line: Trainee gets paid to focus on their company

Conflicts of interest may need to be cleared by the Post Secondary Partner. Projects require support from an eligible incubator/accelerator/RIC

AI Example – Adaptis

adaptis [Home](#) [Customers](#) [Product](#) [Resources](#)



Future-Proof Your Portfolio,
Optimize Your Capital

Smarter capital project planning, powered by AI—for better
decisions, stronger returns, and future-ready assets.

[Book a Consultation and Demo](#)

Brookfield

Triovest



METAFOR



- Working with Mitacs since 2021
- Started as an eAccelerate at UWaterloo
- Added additional programs and projects as they have scaled up

Finding a Company Partner



1. Identify Potential Partners

[Mitacs project page](#) for possible collaborators

IQC team, companies, industry associations, job websites



2. Find Your Value Proposition

Tailor your outreach - focus on partner's needs - product, process improvement, growth, efficiency, security, etc.

Read up on company/field to understand the challenges



3. Tap Into & Grow Your Network

Leverage faculty connections, webinars, company research, and LinkedIn



4. Reach Out

Send a brief email highlighting your value, and prepare for a follow-up conversation

[Grad Careers](#) or [Office of Research](#) can help



5. Mitacs connection

Contact Mitacs (me) for help to leverage partner cash and to develop a project proposal plan



Hydrogel Ionotronic Solar Cell
[Learn More](#)

Quantum Key Infrastructure
[Learn More](#)

**Autonomous Stair-Climbing
Domestic Service Robot**
[Learn More](#)

**Large Scale Simulations of Photonic
Quantum Computers**
[Learn More](#)

**Silicon Quantum Dot Trace
Explosive Sensor – Year two**
[Learn More](#)

**Exploring applications of Machine
Learning and Quantum Computing
in optimization, finance, and the
healthcare industry**
[Learn More](#)



Key Takeaway:

Mitacs helps to facilitate, strengthen, support, and fund collaborative research projects with non-academic partners across Canada, and international academic partners.

Thanks to our funding partners

Canada 

Alberta 

 BRITISH
COLUMBIA

 Research
Manitoba

New Brunswick
Nouveau-Brunswick

Newfoundland
Labrador

NOVA SCOTIA

Ontario 

innovationpei

Québec 

Saskatchewan 

Yukon 

 mitacs



Thank you

Joseph Santarelli, MESC

Senior Advisor, Business Development

 jsantarelli@mitacs.ca

mitacs.ca

