Connecting Canada’s innovation ecosystem

In partnership with

Mitacs

Colleges and Institutes Canada
Colleges et instituts Canada
Leveraging Mitacs for colleges and polytechnics

Agenda – June 17th, 2021

1. Welcome and Introductions
2. About Mitacs
3. How it works
4. Where we stand
5. How we work
6. Next steps
7. Q&A / Contact us
The “why” of Mitacs

Who we are

National, independent, not-for-profit that fosters growth and innovation.
Vision

Canadian innovation will create change that transforms the world.
Mission

Be a catalyzing force in the Canadian innovation ecosystem.
Purpose

Drive economic growth, productivity, and meaningful change to improve quality of life for all Canadians.
The “what”— our value creation model

- New skills for students leading to increased employability
- Enhanced work-integrated learning opportunities
  - Opens the door to multidisciplinary and untraditional industry connections, as well as to other funding opportunities
- Gain access to new industry and community partners
- Strengthen your R&D capacity
The “how it works” at Mitacs

Our flagship: Mitacs **Accelerate**

Our currency: internship unit (IU) or term
- 1 IU = 1 intern for 4-6 months on an applied research project with an industry / NFP partner
- College students can do up to 3 IUs

You can have multiple partner-funded IUs on a given applied research project or program

The intern spends a minimum of 25% of their time with each side (post-secondary institution & partner organization)
Mitacs *Accelerate* example investment

- $7.5K / IU partner investment
- $7.5K / IU Mitacs matching support
- $15K / IU transferred to college
- $5K institutional flex funds
- $10K student salary / stipend
The “how we’ve adapted to what we heard”

- Faculty or research staff equivalent to lead projects
- 10% of flex fund eligible as project management expenses
- Faculty release time is an eligible flex fund expense
- Mix of FT and PT work over a 6-month period
The “where we stand” at Mitacs

ACCELERATE UPTAKE WITH COLLEGES/POLYTECHNICS/CEGEPs

<table>
<thead>
<tr>
<th># of institutions</th>
<th># of projects</th>
<th># of IUs</th>
</tr>
</thead>
<tbody>
<tr>
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<td>12</td>
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<td>16</td>
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<td>145</td>
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<tr>
<td>35</td>
<td>78</td>
<td>365</td>
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Yearly breakdown:
- 2018-19
- 2019-20
- 2020-21
How we work
Introducing our speakers

Kyoko Ariyoshi
Business Development Director (BD)
Co-Funded

Arbab Khan
Program Manager, Research and Innovation

Leslie Bone
Business Development Director (BD)
Supporting research and innovation through collaboration
Capilano University
Mitacs has been providing leads and projects that tap into faculty expertise and teaching interests. These projects have generated valuable experiences that have boosted student careers, trajectories, and utilized Capilano University’s strength as a locally connected institution.

– Dr. Dawn Whitworth,
Director of Creative Activity, Research and Scholarship
Growing with local businesses

BC-based charitable not-for-profit cultivating cycling culture in Metro Vancouver

Your Cycling Connection

Chastity Davis Consultancy - Indigenous education consultancy

Award-winning animation studio.
Mitacs BD & Capilano University

- **2020**: First project with Design School
- **2020**: Pilot project
- **2021**: Co-funded position with Mitacs
- **2021**: Introduces Mitacs to all faculty
- **2021**: Socialize Mitacs to the entire school
- **2021**: Industry projects/connect
- **2021**: Over 10+ projects in the growing pipeline
- **2021**: Encourages faculty participation
- **2021**: CARS office top-up
- **2021**: Virtual office hour
- **2021**: On-going faculty support
- **Open call & more!**

Mitacs to the entire school
Thank you!!
IN 2020/21

- 109 Partners
- 1,438 Student Research Experiences
- 125 Research Projects
- 79 Research Active Faculty
- $2M in Funding (Awarded)
- $4.3M in Funding (Received)

SINCE 2007

- 1,591 Partnerships
- 15,244 Student Research Experiences
- 1,724 Research Projects
- 1,179 Research Engagements
- 19 Academic Partners
- $85M in Research Funding
Promoting Canadian Innovation

• What our research themes all share is a dedication to promoting Canadian innovation through meaningful industry-driven applied research: we design our programs to reflect the needs and goals of industry.
  • As such, we have explored building programs in new emerging sectors like:
    • AgeTech
    • Extended Reality and Simulation
    • Information and Communications Technology
Benefits of College Research

• The GBC college research ecosystem connects business with in-house expertise, access to highly qualified and skilled personnel, state-of-the-art facilities and funding – providing direct support
  • an estimated 98% of our economy is made up of small businesses, employing some 70% of the workforce. For these businesses, having their own in-house research & development department is cost-prohibitive
Mitacs-funded research at GBC

Java Group Programs Inc -
The Power of Peer Support:
The Development and
Evaluation of JAVAGROUPS-digital

Quantum Robotic Systems Inc -
Autonomous Stair-Climbing
Domestic Service Robot

TrustWave -
Quantum Resistant
High Speed Blockchain
Project
Mitacs project

In partnership with QUANTUM ROBOTIC SYSTEMS

George Brown College and University of Guelph collaboration

“Autonomous Stair-Climbing Domestic Service Robot”
College – *Mitacs*

**BD Interactions**

- Mitacs has brought partners/projects to the college
- Mitacs keeps the college up-to-date on program offerings/changes
- Mitacs meets with the partner and college to outline the project and budget
- Application review and feedback
- Mitacs presentations for faculty and support staff
- College has used Mitacs to support existing partners and projects
**Conventional Approach**

- Application based on guidelines
- Lower success rates
- Isolated process
- Stricter partner eligibility

**Mitacs**

- Optimal approach with funder, college and the partner at the table
- Much higher success rate (>95%)
- Collaborative process – reduces miscommunication
- Flexible eligibility
Nature of collaboration

- Mitacs has helped partners through various offerings
- Accessibility to funds
  - Increased flexibility of eligible partners (versus other funders)
- Spectrum of Mitacs-funded projects at the college:
  - Software development/Web development
  - Mechanical engineering/Robotics/Automation
  - Blockchain/Finance
  - Software development – API development
  - AI/Data analytics project
Challenges and pain points

Some of the key challenges:

• Limitations in the use of flex funds
  • No overhead/indirect cost allowance

• Intern eligibility (likely being updated)

• Faculty eligibility

• Lengthy application
OUR ADVICE TO NEWCOMERS

• Transparency with the BD

• Within the college structure, it’s more suitable to apply for at least two units (or more)

• Plan for the lead times
  • ~4 weeks to draft application
  • 6-8 weeks for review process

• Avoid change in scope
Thank you.
The following presentations were given during the French webinar and are included as they were presented.

N’oubliez pas de regarder le webinaire en français!!!
Présentation de nos orateurs et oratrices

David Beaulieu
Enseignant en technologie du génie physique

Valérie Damourette
Conseillère en recherche Service des programmes et de la recherche Direction des études

Benoit Roberge-Vallières
Directeur, Développement des affaires (DA)

Marc-André Chiocchio
Directeur, Développement des affaires (DA) Co-financé
Solutions de distanciation par l’intelligence artificielle

- Outils de gestion des déplacements par l'analyse des données de distanciation
- Outils de sensibilisation par l’affichage des distances en temps réel (optionnel)

Logisticam

Présenté par David Beaulieu
Deux enseignants-chercheurs du Cégep André-Laurendeau ont développé la technologie dista permettant de mesurer et visualiser, en temps réel, la distance entre des individus grâce à l’intelligence artificielle.
Rouge = moins de 1 m, jaune = 1 à 1.5 m, vert = 1.5 à 2 m, bleu = 2 m et +

Gestion et analyse des données de distanciation physique

• Grâce à un système de captation en 3D, nous mesurons en temps réel la distance qui sépare les individus les uns des autres et leurs positions précises afin d’identifier les zones et les périodes de distanciation physique non respectées.

• Dans le but de respecter la distanciation physique, l’analyse des données recueillies permet de faire des recommandations pour optimiser l’utilisation de lieux et des déplacements selon l’espace et le temps.
Partenaires

Partenaire industriel actuel

Connect&Go

➢ Entreprises de solutions technologique connectées
➢ Entreprises desservant l’industrie du divertissement
➢ Responsable de la mise en boîtier du matériel
➢ Responsable de l’installation de la technologie chez le client

Partenaires des centres collégiaux de transfert de technologie

IILLQ

➢ Institut d’innovation logistique du Québec (IILLQ)
➢ Responsable de l’analyse des données et des recommandations d’optimisation

Utilisateurs potentiels

• Centres d’achat
• Commerces de détail
• Parcs d’attraction
• Municipalités
• Écoles
• CHSLD
• Aéroports
• Stations de métro
• Chantiers de construction

Notre technologie a suscité l’intérêt de tous ces types d’utilisateurs
Emplacement du projet pilote

Grâce aux programmes de subvention du CRSNG et de Mitacs, notre équipe a développé un prototype fonctionnel.

Le client de notre entreprise partenaire s’est désisté

Le déploiement du projet pilote a eu lieu dans les locaux du cégep André-Laurendeau en mai 2021

Plus de 400 heures de données de distanciation ont été récoltées

L’Institut d’innovation logistique du Québec est présentement en période d’analyse des données
Les stagiaires Mitacs
Deux étudiants en technologie du génie physique
Trois unités de stage sur une période de 12 mois

Tâches
Recherche de matériel
Montage et assemblage des modules de détection
Conception et impression 3D
Calibration des caméras stéréoscopiques
Installation et déploiement

Retombés
Compétences – employabilité - confiance
Notre équipe

Nos chercheurs principaux
• David Beaulieu, ing., M. ing., enseignant en Technologie du génie physique au Cégep André-Laurendeau, responsable de projet et chercheur principal : david.beaulieu@claurendeau.qc.ca

• Christian Thériault, Ph D., enseignant en mathématiques au Cégep André-Laurendeau, chercheur en intelligence artificielle et professeur associé à l’UQAM : Christian.thériault@claurendeau.qc.ca

• David Giasson, enseignant en Technologie de l’informatique au Cégep André-Laurendeau, responsable de l’intégration réseau et de la gestion des données : david.giasson@claurendeau.qc.ca

Notre équipe de recherche
Experts et technologues provenant de centres collégiaux de transfert de technologie (IILQ et Optech), étudiants-techniciens et techniciens en technologie du génie physique du Cégep André-Laurendeau

Nos collaborateurs de recherche
École de technologie supérieure (ÉTS), programme de Génie des systèmes
Le démarrage de cette initiative a été rendu possible grâce au financement du CRSNG et de Mitacs

Contact
Marise Lachapelle
Conseillère à la recherche
Bureau de la recherche et de l'innovation
Marise.Lachapelle@claurendeau.qc.ca
Segmentation automatique de dents à partir de scans oraux
Questions on how we work?
The “what’s next” from Mitacs

EXPANDED PARTNER ELIGIBILITY
- Hospitals
- Municipalities

NEW / RENEWED / ENHANCED OFFERINGS
- On top of Accelerate and Accelerate Entrepreneur
  - Streamlined process & incentivized cost-sharing with SME/NFP discount
- Explore
- Mitacs Entrepreneur International (MEI) (Sept. 2021 launch)
- Business Strategy Internship (Ontario soft launch)
- Targeted EDI Calls
- Indigenous Pathways (students and businesses)
- Mental Health Research Canada
- Recent graduates!!!! (Details to come)
What’s next for Mitacs-CICan co-funded BD

• Mitacs college strategy
• Integrated stakeholder engagement
• Champion the college portfolio within Mitacs and nationally
• Strive to further create sustainable value within colleges
• Collective impact initiatives
• Strategic marketing campaigns
• Mitacs awareness campaigns
• “Ask me anything” (AMA) break-out sessions

“How CAN WE?”
The “How to stay connected” with Mitacs

- Sign the Mitacs Institutional Agreement
- Work with your local BD to identify opportunities
- Leverage Mitacs to co-fund innovation-focused, WIL internship and co-op placements
- Engage with CICan’s Mitacs Advisory Committee(s)
- Attend AMAs and other webinars
- Join our pool of reviewers if you are an expert
- Promote Mitacs throughout your organization and social media
- Contact me directly!!
Thanks to our funding partners

Canada

[Logos of various provinces and territories]
Questions?

In partnership with

Colleges and Institutes Canada
Collèges et instituts Canada

Mitacs
For more information contact:

Dan Génier

dgenier@mitacs.ca

(514) 208-5928

Book a meeting with Dan
Thank you for your time and interest!

accelerate@mitacs.ca

647.478.5904

/MITacsCanada

/company/Mitacs/
Appendices
FAQs

Q. At a minimum, internships must take place 25% of the time in the partner organization's place of business, even though several partners do not have applied research facilities to house them. Can this be adjusted?

• If the college houses the infrastructure required by the partner to undertake applied research activities, the 25% employer-student interaction can take place on campus if well-documented

Q. Can there be more opportunities for incentivized cost sharing (enhanced leveraging) with and other partners?

• Yes!!! We are working with NSERC as they roll out their new funding model for the CCI
• Mitacs is also working with other partners to explore opportunities for incentivized cost sharing - (enhanced) leveraging.
FAQs

Q. Very little overhead costs are sent our way. Can Mitacs help fix this on-going problem?
   • Mitacs is looking into the possibility of increasing the project management cost % (TBD);
   • Mitacs is also exploring more strategic concepts in the coming weeks/months;
   • While Mitacs is mindful of this challenge, colleges are urged to engage with ISED and their respective province which are more appropriate to address the broader issue.

Q. The work entailed for a 1-2 IU project is quite significant given the above challenge. Can anything be done?
   • Mitacs is working on simplifying the application process;
   • The concept of a cluster or a larger project would reduce these burdens;
   • Mitacs is also exploring more strategic concepts in the coming weeks/months.

Q: Could you please remind me what are the eligible uses of the flex funds?
   • Here is the link: Use of funds | Mitacs.
FAQs

Q: Is there any discussion about something other than a 50/50 split of Mitacs/partner organization funds at some point? From my perspective, this is one of the biggest challenges, as it's a big ask from many partners.

• Mitacs has various offerings regarding partner matching mechanisms. The “Cluster” concept, for instance, offers better rates, as do the SME discounts. It therefore remains imperative to engage with your local BD to explore opportunities. Accelerate funding model

Q: Will municipal organizations like fire, paramedicine, and police be eligible partners?

• If the organization operates under a municipal government or falls under its authority (or as in the case of the territories, a community), then that is considered a legitimate municipal entity.
FAQs - The “how it works” at Mitacs (Continued)

Large project or Cluster

- Can build bigger projects combining more 4- to 6-month internship units (IU)
- Better optional leveraging for projects with 3+ interns and 6+ IUs
- Projects can span multiple academic institutions, partners, and disciplines
FAQs

Q. Our college has multiple industry partners, an Applied Research Centre and/or an affiliated Technology Access Centre. Could we be considered the employer and manage the student engagement?

- As it stands, unfortunately not. However, in the optic that the college (often via a TAC or an Applied Research Centre) would serve as a broker, Mitacs is currently exploring an embedded cluster model which might meet this need (more to come)

Q. The current Mitacs funding streams only allow colleges to hire college students and postdocs. Given that we work in various stages throughout the Technology Readiness Levels, some projects require access to master’s and PhD students. Could Mitacs allow for this eligibility?

- This is in line with the embedded cluster proposed above. It would, however, also require discussions with NSERC to ensure program alignment (more to come)
Q. Who owns any intellectual property (IP) generated during an internship?

• Mitacs takes no position on intellectual property.
• IP is to be shared between the academic institution, its researchers, and the partner organization according to the academic institution’s IP rules

Q. Do colleges need to sign institutional agreements with Mitacs?

• Yes, and several colleges already have signed agreements with Mitacs. Please contact your BD.

Q. How do you define an academic supervisor?

• Mitacs worked with ISED to adjust the definition for colleges to mean: “a faculty member or appropriate research staff at a college” - we are also exploring other inclusive narrative.

Q: What is the status on the BSI program?

• The Business Strategy Internship (BSI) program will be launching nationally soon (in the next month or two), it has launched in Ontario as a “soft launch”. More to come.
FAQs

Q: Could you please clarify post-secondary institution eligibility?
   • Colleges, CEGEPs and polytechnics that are eligible to receive funding from at least one of the Tri-Agencies (NSERC, SSHRC or CIHR) are eligible for Mitacs programs. The institution must sign a funding agreement with Mitacs. Contact a Mitacs Business Development representative for details.

Q. How do I know what is an eligible project?
   • Like all Mitacs Accelerate projects, there needs to be an element of novelty and broader applicability. Please check out the eligible research page on our website: Mitacs-supported eligible research and adjudication criteria | Mitacs

Q. Can we submit a project with both college and university researchers on it?
   • Absolutely! These types of collaborations can lead to a richer experience for both the student and the partner organization.
   • For an example, look no further than the Algonquin College – UOttawa CanPRIME project with Turnstone Biologics
Q. The summer break at my institution is less than 4 months long. How can our students participate?
   • An Accelerate internship should be 4 months worth of work, but can be 4 months full time, or 4 months of work spread out over up to 6 months. So, an intern with a 3-month summer can work part time before and after the 3 months of full-time summer work to add up to 4 months of work.

Q. Can interns work less than full-time on a project?
   • Typically, the intern’s time spent on the project should be split evenly between the partner organization and the academic institution, but there is flexibility to accommodate the specific needs of the project. A minimum of 25% of the project must be spent at the partner organization and a minimum of 25% at the academic institution.

Q. What is the time stamp for recent graduates? And do they have to be graduates of our academic institution? Also does the "recent grad" need to have "graduated" or could they have simply transferred to a university?
   • The expansion to include recent grads was only just announced internally so we don't know all the details. More information will be released soon.
Q. What types of internships are open to colleges through Mitacs Accelerate?

- The Mitacs Accelerate program helps build research partnerships with businesses and not-for-profits through internships for students and postdocs. This includes full-time college students, as well as college co-op and capstone interns. Added flexibility for recent graduates was just confirmed by ISED. More details to come.

Q. Mitacs Accelerate is open to all college students, but it is not the case for all programs (current eligibility requirements aren't always a good fit).

- Let’s make it fit!! Please contact your local BD to explore various strategies. Please note that Mitacs, in collaboration with CICan, is currently looking into strategic opportunities to further align its program offerings to the college ecosystem. More to come.

Q. How many internships can an intern do?

- Currently, college students can complete UP TO 3 IUs
Q. Is faculty release time an eligible research related expense?

• Yes! Please work with the Mitacs team to ensure that the budget reflects this expense accordingly

• Eligible research expenses (in the flexible research costs portion of the grant) at colleges and polytechnics include:
  
  • Costs associated with faculty releases from teaching duties to enable college faculty to conduct research projects (up to $9,000 per course release, per semester, per faculty)
  
  • Costs associated with paying part-time faculty to participate in the project (up to $9,000 per semester)

Q. Does Mitacs Accelerate eligibility extend to international researchers?

• Mitacs Accelerate is open to all faculty and students regardless of their citizenship status. However, other criteria apply. Accelerate | Mitacs
Q. Is there a resource out there to help us find reviewers to suggest?

Q. Will not-for-profit organizations also be considered in the future?
   • Not-for-profits (NFPs) are already eligible. However, they need to be vetted first so please touch base with your local BD. Accelerate | Mitacs

Q. If two NFPs are involved in the research project, is it possible for the two partners to split the $7,500 contribution?
   • Yes, absolutely. Two NFPs can share the bill for one or more internship units.

Q. Can a Mitacs application be made at any time or are there dates in the year?
   • Accelerate applications are accepted at any time. However, special funding offers (e.g. SME discounts) usually have deadlines.
FAQs

Q. What do you mean by “partner organization”?  
• Partners eligible for Accelerate are for-profit companies, NFPs, municipalities, and hospitals. We support applied research and innovation (technological and social) in all fields and sectors. So, the word “organization” is extremely broad. We support collaborations between academia and a variety of partners (practice).

Q. Is the total envelope available to Mitacs limited annually?  
• No, there is no limit as such, especially since we had good news in the federal budget in April, namely a mandate and increased funding for the next 5 years.
Q: What’s your track record?

- More than 35,000 internship units in Canada since 2007
- Small- and large-scale multidisciplinary projects
- Funding from $15,000 to multi-million $
- Over 95% application success rate
- BD support throughout application process
- PDFs and international students are eligible
- Agreements signed with 90+ colleges across Canada
FAQs - Mitacs Accelerate application process

- Company writes application with college & Mitacs BD
- Mitacs BDs help process application
- College submits
- Company pays Mitacs
- College completes any peer revisions (if applicable)
- College awarded & students selected
- The IU starts

3-4 months before 1-2 months before
FAQs - Mitacs Accelerate application process

HOW IT WORKS

1. APPLICATION SUBMISSION
   ANYTIME

2. APPLICATION REVIEW
   ~ 6 WEEKS*

3. PROJECT APPROVAL
   MIN. 4 MONTHS

4. PROJECT LAUNCH
   1 MONTH

5. PROJECT COMPLETION

6. FINAL REPORT & EXIT SURVEY

*For up to 5 internships. Contact us about review timelines for 6+ internships.

1. Mitacs invoices partner

2. Partner sends funds to Mitacs

3. Mitacs sends award to College

4. Academic Inst. administers award

Approx. 3 weeks
Funding timelines are subject to the receipt of partner funds.
Internship review

1. Reviewed by subject matter experts
   - Research in its discipline
   - Appropriate for academic level
   - Clear objectives
   - Appropriate methodology
   - Realistic timeline

2. Applicant identifies six possible reviewers (minimum)

3. Eligible projects will have an element of novelty
At the end of the internship

- Intern report and survey
- Faculty survey
- Partner organization survey
- Form 300
Mitacs and NSERC: working together

Together, Mitacs and the Natural Sciences and Engineering Research Council of Canada are working to develop and co-fund collaborative projects between post-secondary institutions (PSIs) and partner organizations.
The benefits

• Boosts your research by leveraging the resources and funding of both organizations

• Allows your students to apply the concepts and theories they’ve learned to real-world situations

• Reduces administrative burden on applicants: only one joint application is required

• Partner funds can be applied to Accelerate internship units (IUs) in joint applications
Two programs, one application

Mitacs Accelerate research internships can support well-defined, collaborative applied research and development projects by college researchers and their private-sector partners in partnership with NSERC CCI.

Mitacs: Accelerate


Streamlined joint Mitacs Accelerate application and integrated submission and review process.
Partner cash contributions are recognized toward the global budget.

college@nserc-crsng.gc.ca
The process

Match
- Intern
- Supervisor
- Partner organization

Apply
- Online
- Streamlined application

Award
- 3- to 6-month review
- College pays stipends

Deliver
- Projects can start any time once approved
FAQs - NSERC

Q: Will the $9,000 cap in faculty release time continue to apply after the changes to the College & Community Innovation Program (switch from CCI Financial Administration Guide to Tri-Agency Guide to Financial Administration)?

- NSERC is still in the midst of undertaking the updates and changes to their programming. Details will follow from NSERC when they become available.

Q: Should one always use Mitacs funding in conjunction with NSERC ARDs or would a Mitacs Accelerate standalone application sometimes be better?

- The question is rather “Why wouldn’t you submit a joint application?” The 2:1 funding formula for a portion of HQP may outweigh the lower success rate. And besides, you can always subsequently apply for a standalone application with Mitacs if unsuccessful. However, you should also take into account the partner’s needs and urgency, as well as consider the project’s time-sensitivity and other offerings Mitacs might have for standalone applications, such as SME discounts. It is therefore imperative to engage with a Mitacs BD at the onset to explore various scenarios.
FAQs - NSERC

Q: Can you clarify how the partner's contribution can count towards both the NSERC grant and the MITACS award?

• Mitacs and NSERC have agreed to an incentivized cost sharing ratio for joint projects that include enhanced training of HQP through Accelerate. Through this mechanism, it is possible to apply to both programs. According to our agreement with NSERC, NSERC takes into account the partner contribution that goes through Mitacs (to obtain internship units), in the budget and overall leverage.

• A Mitacs BD can help you work on the budgets, the practicalities of the budget ask, as it requires a BD to work with you to figure out the needs for the project. For more information NSERC – College and Community Innovation program – Applied Research and Development grants (nserc-crsng.gc.ca)
Mining company collaborates with post-secondary students to reach buried gold.

Challenge
Cost-effective, environmentally sustainable gold mining

Outcome
Innovation in Atlantic Canada’s mining industry, supported by local talent

Team
Anaconda Mining, College of the North Atlantic, and Memorial University of Newfoundland
“Mitacs was able to (help) build this important connection between Fanshawe College, the OMSPA, and a talented researcher. That’s an absolute win for everyone involved, and an entire industry.”

- Dr. Renaud, Agriculture and Agri-Food Canada.

**Challenge**

‘Buddy’ sap can cost small maple syrup producers as much as millions every year, across eastern North America.

**Outcome**

Chemists have determined how buddy starts and are isolating its precursor.

**Team**

 Fanshawe College and Agriculture and Agri-Foods Canada, Ontario Maple Syrup Producers, Carleton University.
Students contribute to the high-tech success of outdoor Agriculture Expo.

**Challenge**
Address key mobile challenges related to large outdoor venues, using GPS and geo-fencing to facilitate social interaction.

**Outcome**
Providing high quality information and positioning systems for trade shows to allow for new services for participants and guests. Technology also applicable in other areas (e.g. emergency response).

**Team**
Glacier Farm Media and Saskatchewan Polytechnic
Canadian partnership for research in immunotherapy manufacturing excellence - 2019-2024

**Partnership:** Ottawa Hospital Research Institute (OHRI), Biotherapeutics Manufacturing Centre, University of Ottawa and Algonquin College

**Partner organization:** Turnstone Biologics

**Funder:** MITACS Accelerate “Mega” Cluster

**Project budget:** $2.2M/5 years ($613K to Algonquin)
**Purpose:** Training of highly qualified personnel required to support pre-clinical development of the SKV platform (cancer fighting virus) including 3 novel biotherapeutic products to be developed and manufactured in Canada

**HQP:** Over 5 years, will train 49 students/PDFs (10 PDF, 8 PhD, 8 MSc, 23 college co-ops (8-month term)

- Participating college students from the three-year Advanced Biotechnology Diploma
- Additional opportunities for students in the Regulatory Affairs Graduate Certificate
“We owe much of the success of our internship program to the Mitacs program. It has helped us to significantly expand our connections to industry and has provided many new opportunities for student placements.”

– Ryan Young, Associate Dean, JR Shaw School of Business, Northern Alberta Institute of Technology

**Challenge**

Support 100+ interns taking innovation-focused WIL internship programs

**Outcome**

11 proposals submitted (107 interns)

Business, Engineering Technology, Digital Media and IT, and more

25 businesses and not-for-profits

Innovative internships to be supported 2019/2020
OTHER FUNDED PROJECTS

https://www.mitacs.ca/en/projects
USEFUL LINKS

Colleges, CEGEPs, and polytechnics | Mitacs (BEING UPDATED)

Business Development | Mitacs

Accelerate | Mitacs

Accelerate Entrepreneur | Mitacs

Request for researchers | Mitacs

SME discounts

Use of Funds | Mitacs

Cognit.ca - Access expertise, facilities and IP at Canada's post-secondary institutions.

NSERC – College and Community Innovation program – Applied Research and Development grants (nserc-crsng.gc.ca)