



TEMERTY FACULTY OF MEDICINE  
UNIVERSITY OF TORONTO

# RESEARCH PARTNERSHIPS WITH INDUSTRY: INFORMATION SESSION

October 13, 2022  
1:00 pm - 2:30 pm

In-person Event



Registration:  
<https://cris.eve.utoronto.ca/home/events/2812>

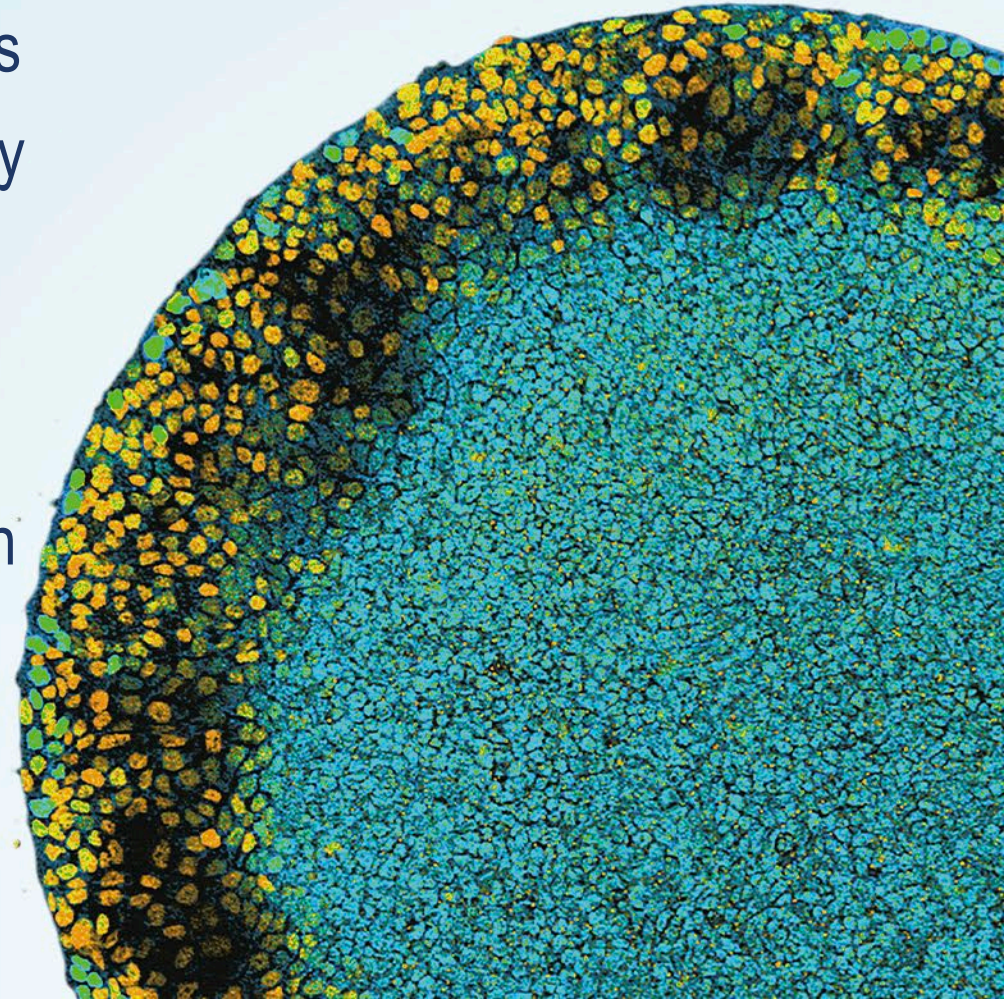


UNIVERSITY OF  
TORONTO

Centre for Research  
& Innovation Support

# Session Objectives

- Introduce academics to industry partnerships
- Inform academics on the process for industry partnerships
- Share resources available for initiating and supporting industry partnerships
- Identify paths for research collaboration with industry





# Temerty Medicine

# Session Agenda:

## Opening Comments:

Dr. Justin Nodwell, Vice-Dean Vice Dean, Research & Health Science Education, Temerty Faculty of Medicine

## UofT-Industry Partnership Overview: (20min)

Akshita Vincent, Business Development Officer- Industry Partnerships

## Partnerships at Temerty Medicine: (15min)

Jarrold Ladouceur, Industry Partnerships Officer Temerty Medicine

## Mitacs funding programs: (20min)

Rhianna Malcolm – Director Business Development Mitacs

## Discussions: (20min)

Partnership staff will be available  
to help answer your questions and discuss  
your specific partnership needs





**Justin Nodwell**

Vice-Dean, Research & Health Science  
Education, Temerty Faculty of Medicine



# Speaker



**Akshita Vincent**

Business Development Officer, Industry  
Partnerships, Innovations & Partnerships  
Office, U of T

# Research Innovation & Industry Partnerships at U of T

---

Presented by:

**Akshita Vincent**

Business Development Officer – Industry  
Partnerships

October 13, 2022





# Learning Objectives

- Introduction to U of T's research & innovation strengths
- What are industry research partnerships?
- What are the key benefits of partnering with industry?
- How does industry benefit from working with the University?
- Better understanding of U of T's engagement models with the industry
- Introduction to the Innovations & Partnerships Office (IPO)
- Intellectual Property

# U of T Rankings: #1 in Canada | #18 Globally

## One University – Three Distinct Campuses

*Times Higher Education  
World University Rankings  
2022*



- 15,000 faculty | 10,000 staff
- 97,000+ students | 27,000+ international students
- 300 graduate programs | ~21,500 graduate students
- 19 faculties and schools | 174 research centres across all three campuses
- 3.7M jobs created by U of T alumni globally | \$368B in annual revenues by alumni-founded ventures globally
- 1,100+ patent applications filed over the last 10 years
- Partner with >300 companies at any given time (>600 over past 10 years)
- Created > 600 start-ups, raising > \$2B in venture funding over past 10 years



The University of Toronto is ranked in the  
top 50 globally in 46 subjects...  
*...more than any other university  
in the world*





# Largest Research Entity in Canada

camh

UHN

SickKids®

Baycrest

Holland Bloorview  
Kids Rehabilitation Hospital  
U

UNIVERSITY OF  
TORONTO

UNITY HEALTH  
TORONTO

Sunnybrook  
HEALTH SCIENCES CENTRE

Sinai  
Health  
System

WCHH

DEFY  
GRAVITY



UNIVERSITY OF  
TORONTO



# Building Strong Partnerships Through R&D



## INNOVATION

Collaborative research  
Licensing  
Technology validation  
Entrepreneurship



## TALENT + FACILITIES

Consulting  
Internships & Recruitment  
Education & Training  
Tenancy & Fee-for-Service



## COMMUNITY ENGAGEMENT

Philanthropy  
Sponsorships & Promotions  
Awards & Scholarships  
Consortium Membership

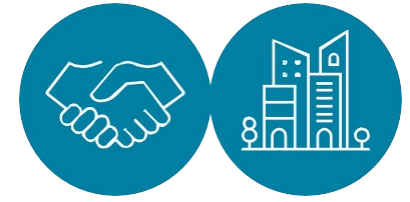
# Industry Research Partnerships



Industry research partnerships are engagements between the university and private sector organization(s) for the purpose of conducting and furthering research and development activities.



# Key Benefits of Partnering with Industry



- New Research Funding Opportunities

- Industry matching grants (Federal/Provincial)
- Strategic and collaborative programs

- Enhanced Resources

- Research \$\$ (Leveraged funding)
- Access to cutting-edge technologies, data, materials, equipment, and industry expertise
- Gain industry perspective on research applicability and translation to marketplace

- Enhance Your Research Profile

- Expand your network
- Build long term relationships

- Industry Training & Recruitment

- Hands-on experience tackling business & industry challenges
- Future employment opportunities in the industry
- Opportunity to apply R&D skills & training to solve real world problems

# Why Industry Partners with the University?



- World-Class Research Expertise

- Access to world-leading researchers and research expertise
- To participate and support ground-breaking R&D via sponsored collaborative research

- Innovation & Commercialization

- Exposure to university developed intellectual property (IP) via startups and licensing opportunities
- Co-develop new ideas and innovations with researchers to create new IP that can be moved into domestic and global markets
- Validation of industrial R&D, processes and products

- New Research Funding Opportunities

- Industry matching grants (Federal/Provincial)
- Strategic and collaborative programs

- Recruitment of HQPs

- To identify and hire trainees and graduates
- Have an active role in training of university students for the industry

- Branding & Reputation

- Philanthropic donations towards university infrastructure, R&D, endowed chairs, grants, fellowships etc.
- Building awareness of their brand by sponsoring conferences, workshops, symposia, etc.

# Engagement with Industry



- U of T engages in many forms of research partnerships – No “one size fits all”
- U of T takes a flexible approach in working with industry and other types of partners.
- Collaborative projects may range from a relatively short-term engagement to tackle a specific challenge, to larger multi-year engagements with more open-ended goals.
- Projects may also range from fundamental to applied research with specific goals and objectives.



# Models of Engagement with Industry



- Industry Call for Opportunities

- Targeted: Companies provide company-specific R&D areas of focus to University seeking academic collaborators and partnering opportunities
- Global: Open to academic institutions around the globe that complement internal R&D

- Academic – Industry Consortia

- Network of multiple academic and industry members bound by common goals and objectives in core research themes

- Master/Framework Engagement

- Companies engage with multiple researchers under a pre-negotiated agreement with University

- Sponsored Research Collaborative Projects

- Directed research projects between:
  - A research lab and a company (1:1 engagement)
  - Multi-disciplinary research labs and a company (such as 2:1 or 3:1 engagements)

- Government Support Programs

- Federal and provincial funding programs requiring an industry match (cash contribution and/or in-kind)
- E.g. CIHR, NSERC, Mitacs, Ontario Research Fund (ORF), OCI, Ontario Genomics, etc.

# Master/Framework Engagement



U of T partners with Moderna to advance research in RNA science and technology



## Moderna Call for Proposals

September 21, 2022 • Reply to [Akshita Vincent](#)

Moderna Inc. seeks to deliver on the promise of mRNA science and aims to enable the acceleration of this vision through collaborative research with academic investigators who share a common goal in pushing the basic biology of the technology or its application in many different areas of disease. Please visit <https://www.modernatx.com/research/product-pipeline> for more information on Moderna's research priorities, active research programs, and product pipeline.

Moderna is requesting proposals exploring breakthrough science that is a strategic fit with their mRNA research areas of focus below:

- Prophylactic vaccines
- Systemic secreted & cell surface therapeutics
- Cancer vaccines
- Intratumoral immuno-oncology
- Localised regenerative therapeutics
- Systemic intracellular therapeutics
- Inhaled pulmonary therapeutics

**Funding:** Any project budget that is justifiably proportionate to the scope of work will be considered.

**Eligibility:** Applicants MUST hold University of Toronto Faculty appointments.

**Deadline:** Please submit the completed Moderna Research Proposal Intake Form [Moderna Research Proposal Intake Form Final](#) to Akshita Vincent ([Akshita.vincent@utoronto.ca](mailto:Akshita.vincent@utoronto.ca)) by **Oct 11th, 2022**.

U of T signed framework  
sponsored research  
agreement  
April 2022



Moderna hosted  
at U of T to launch  
the strategic partnership  
April 2022



First sponsored  
research project  
funded  
September 2022



First Moderna  
call for proposals  
September/October  
2022

# Innovations & Partnerships Office (IPO)



- A division of the Office of the Vice-President Research and Innovation, and Strategic Initiatives, University of Toronto
- Builds successful partnerships between industry and the University of Toronto research community – works with >300 companies at any given time.
- Identify opportunities to advance the financial support of U of T research through collaborative research, government & industry grants, and R&D contracts (doubled industry contributions between 2010 and 2020, on track to double again by 2025!)
- Manages U of T's portfolio of intellectual property (IP) and commercialization projects
- Supports all three campuses and all sectors across the University





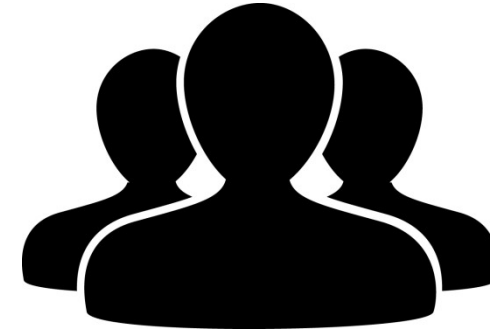
# Innovations & Partnerships Office



**Partnerships Team**  
Director - Tina Coccia



**Business Development**  
BD Officers -  
Colin Swift  
Akshita Vincent



**Innovations Team**  
Director - Jennifer Fraser

## Industry Research Agreements

- Sponsored Research
- Collaboration
- Material/Data Transfer
- Confidentiality
- Coordinates UofT Service Agreements

## Industry Liaisons

- Assist Faculty members re Industry Engagement
- First Contact for Industry seeking to Partner with UofT Researchers
- Match with Government Funding opportunities
- Active Outreach to Industry

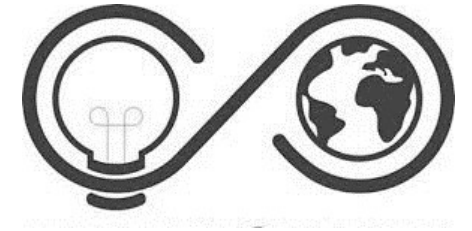
## Manages and Protects UofT's IP portfolio

- Licenses UofT Technologies to Industry
- Creates Start-Ups
- Supports Entrepreneurial faculty/students
- Invention Disclosures
- Patent activities

# Intellectual Property (IP)

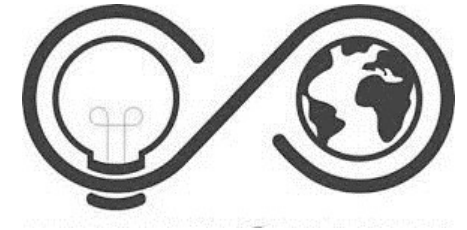
- U of T has a flexible approach to Intellectual Property (IP) that ensures all parties benefit from the creation of new ideas and knowledge.
- IP developed in a research project can include inventions, technical information, know-how, models, drawings, prototypes, and software.
- At the outset of any collaborative project, it is important to ensure all parties understand and agree on IP ownership and licensing rights.

*While U of T seeks to provide IP rights to our partners, the university always reserves the right to continue to use any newly developed IP for research and teaching purposes to help extend the impact of the research results.*



# Intellectual Property (IP)

- IP typically categorized in terms of 'Background' or 'Foreground'
  - **Background IP** - any proprietary knowledge, techniques, and know-how developed prior to the start of research project, or independent of the research project.
  - **Foreground IP** – any proprietary knowledge, techniques, and know-how developed, generated, created, or reduced to practice through delivering on the industry sponsored project scope of work using project funding.
- Clearly identifying background IP in the agreement avoids any uncertainty over which background IP is being made available for the research and helps distinguish Background IP from Foreground IP.





# Intellectual Property Education Program

Stemming from an expert panel recommendation to the Ontario government, stressing the need to protect and secure intellectual property made in Canada.

- The Intellectual Property (IP) Education Program is a free, interactive, self-paced series of modules consisting of two levels:
  - **Level 1: IP Foundations**
  - **Level 2: IP Strategy and Application**
- Recognized on student's Co-Curricular Record
- Level 1 is available on four different platforms: Quercus, Open U Toronto, E-Campus Ontario: Open Library and public microsite
- Level 1 recognized by the Ontario MCU as key milestone under IP Action Plan.
- Link - <https://entrepreneurs.utoronto.ca/for-entrepreneurs/ip-education/>



Colleges and Universities | Collèges et Universités

14,834 followers

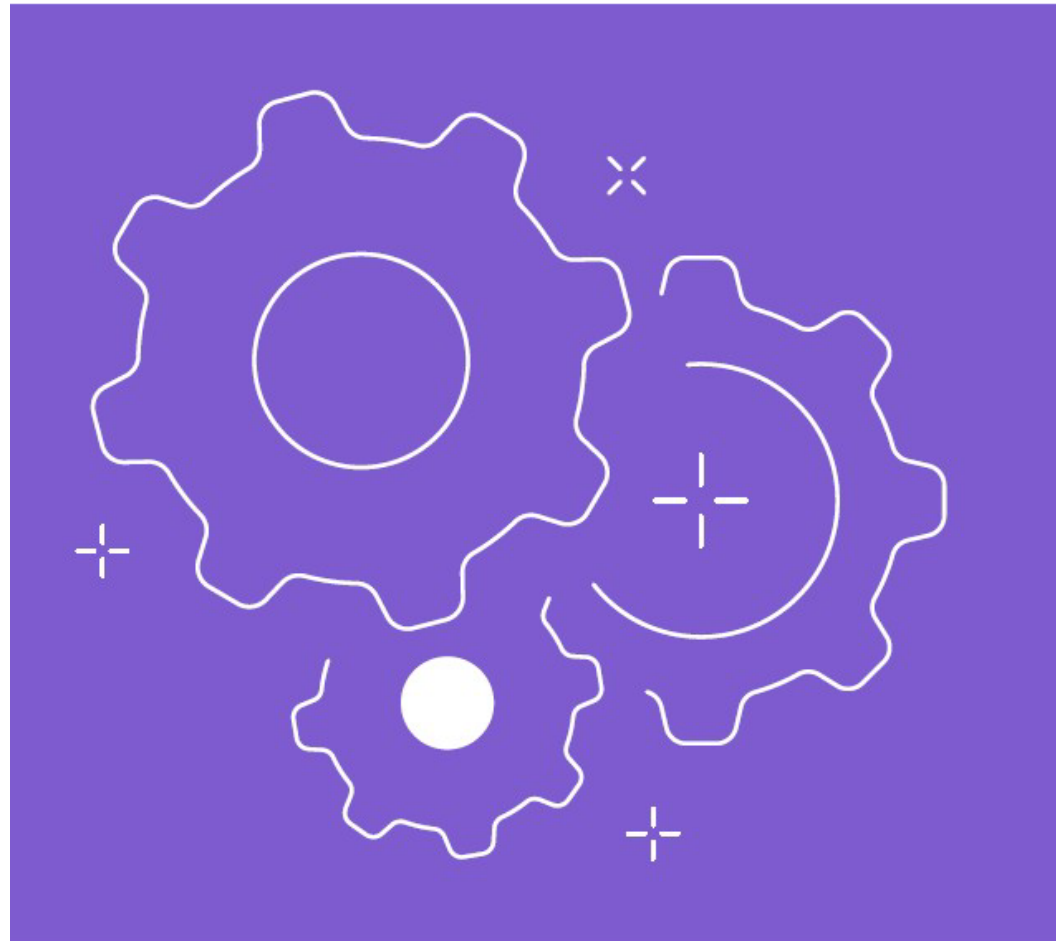
3w •

Hey, innovators, researchers and businesses! Interested in learning more about how to protect and use your intellectual property? Enrol today in one of two ...see more

[See translation](#)



# Researcher's Guide to Industry Partnerships



*Stay Tuned!*



# Resources

- Research & Innovation Agreements
  - <https://research.utoronto.ca/research-innovation-agreements/research-innovation-agreements>
- Establish a Partnership with Industry
  - <https://research.utoronto.ca/partnerships/establish-partnership-industry>
- Inventors Guide to Technology Transfer
  - <https://research.utoronto.ca/media/50/download>
- U of T's Invention Policy
  - <https://governingcouncil.utoronto.ca/secretariat/policies/inventions-policy-october-30-2013>
- Disclose an Invention
  - <https://research.utoronto.ca/inventions-commercialization-entrepreneurship/disclose-invention>



A person stands on a rocky shore, looking up at a massive, textured glacier wall. The scene is overlaid with a large, semi-transparent triangle. The text "DEFY GRAVITY" is centered within the triangle, with a small upward-pointing chevron above the word "DEFY".

# DEFY GRAVITY



UNIVERSITY OF  
TORONTO



# Speaker



**Jarrod Ladoucuer**

Industrial Partnerships Officer, Temerty Faculty  
of Medicines, U of T



# Industry Partnerships: How can we maximize their impact

**Jarrod Ladouceur**

Industrial Partnerships Officer



TEMERTY FACULTY OF MEDICINE  
UNIVERSITY OF TORONTO



## INDUSTRIAL PARTNERSHIPS OFFICER

### ABOUT JARROD LADOUCEUR

- 9 years in post secondary institutions building programs to support commercialization and partnerships.
- Former national lead for AIMday. An international program designed to establish industry academic collaborations.
- Former member of the I-Inc steering committee. A network work 14 Canadian universities developing programs to support research commercialization.

External  
Partnerships

Entrepreneur  
in Residence  
Program



### HOW TO CONNECT

- E-mail (reach out anytime) – [jarrod.Ladouceur@utoronto.ca](mailto:jarrod.Ladouceur@utoronto.ca)
- New partnerships web page - <https://temertymedicine.utoronto.ca/partnerships>
- Office hours – Quick 20min time slots every Friday to connect with partnership staff from across UofT

***I may not be the right person to help.... But I can make sure you are connected to the right people.***



### HOW JARROD CAN HELP

- Connect you with organizations
- Advise on partnership options and policy
- Support creating new partnership programs and services
- Promote opportunities to external organizations
- Help you to navigate the partnership community in and around UofT.

# My Role



- **Identify, develop and execute strategies for the creation of research and development collaborations.**
- **Build and strengthen relationships with stakeholders and partners of strategic importance.**
- **Research and recommend new opportunities for external collaborations and partnerships.**



# Entrepreneur-in- Residence (EIR) Program Overview

The Temerty Medicine EIR program supports researchers to commercialize their work by connecting them with leaders in business and entrepreneurship.

Specifically, the EIR program connects researchers with individuals from industry and/or not-for-profit organizations who have scientific commercialization experience in areas such as:

- Identifying and establishing a leadership team (ie CEO and other C-level roles)
- Legal, governmental, or regulatory challenges
- Commercialization strategy (i.e. Funding and IP)
- Connections with strategic partners, organizations and investors

**Stream 1** – Ad hoc support available to any Temerty affiliated faculty member at anytime. [Now Available](#)

**Stream 2** – A 12-month cohort-based program with regular scheduled group meetings for more advanced faculty/companies.

**Stream 3** – Small funding opportunities to support relevant projects in achieving early milestones (Available exclusively to Stream 2 faculty).

Temerty  
Medicine

Committed to building collaborations  
that benefit academics,  
organizations and society to  
maximum real-world impact.

Knowledge

+

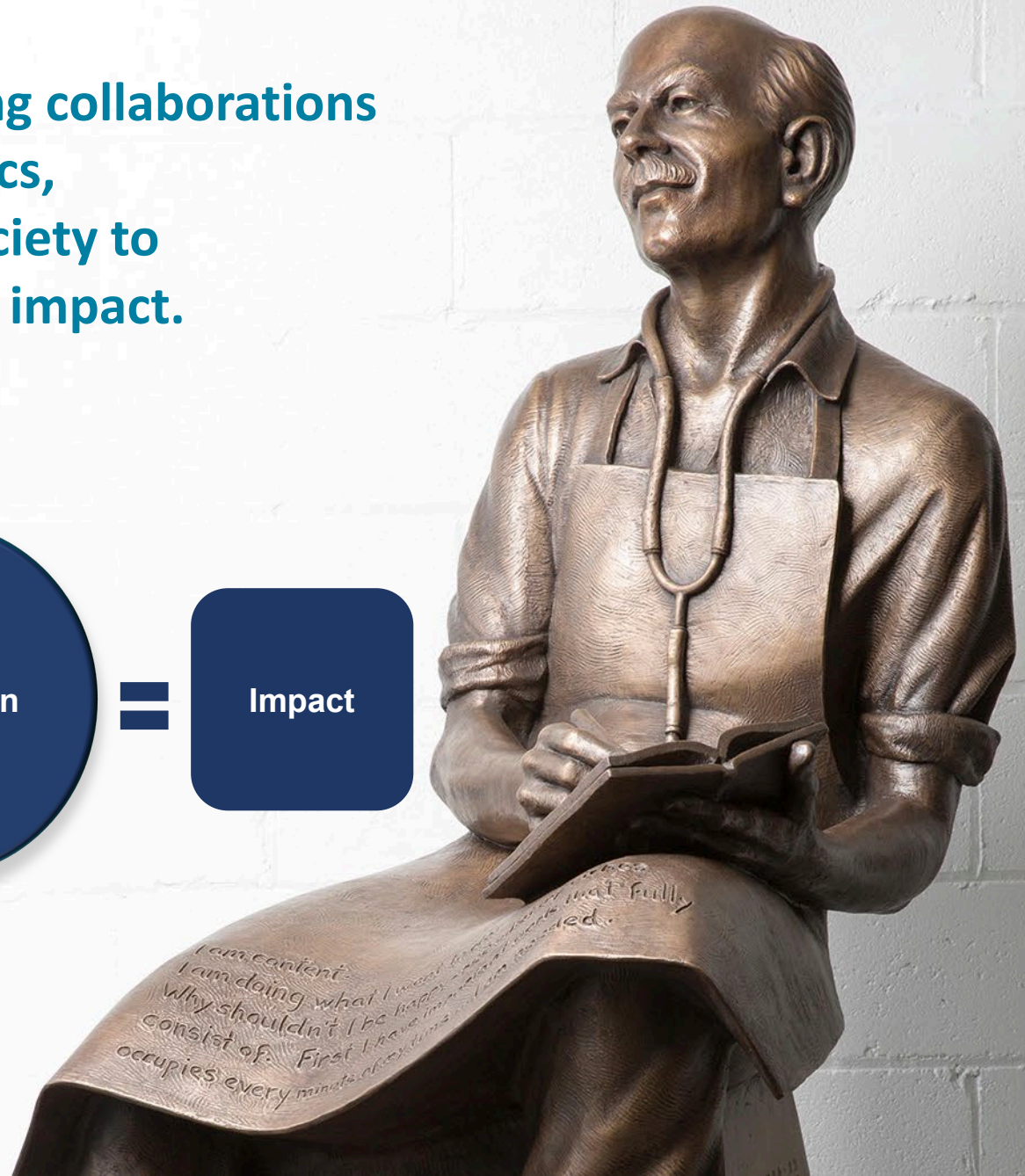
Talent

+

Application

=

Impact







\$1B spent on outsourced R&D by Canadian Research and Development Pharmaceutical Sector

~ \$144 million of outsourced R&D by Canadian Research and Development Pharmaceutical Sector spent at Canadian Universities and Hospitals

---

We are receiving less than 6% of the Canadian Pharma R&D spending at Canadian Universities and hospitals.

We are receiving less than 1% of the Canadian Pharma R&D outsourced spending



# Program and Services

**Pre-Partnership  
Grant**

**Explore  
Collaboration  
Discussions**

**Info Sessions**

**Explore New  
Partnership  
Opportunities**

**Partnership  
Grant Support**

**Partnership  
Development  
Support**

**Industry  
Events/Tours**

merity  
medicine

# Presenting your work

- ELEVATOR PITCH
  - 2-3 lines on the nature of the research, your goals and why your work is awesome
- TEAM
  - Pictures of key team members with bullet point on their, experience, skills and accomplishments
- PROBLEM
  - What problem(s) are you solving with your research.
- SOLUTION
  - 1 (2Max) slides on your research
- WHY YOUR SOLUTION
  - Outline alternative technologies and what you have done to show your solution it better.
- DEVELOPMENT PLAN
  - What are you planning to ensure your research has an impact or gets to the market.
- ASK
  - What do you need to from partners to achieve you goals
- APPENDIX
  - Unlimited slides outlining the details of your research and accomplishments to date. Should be tailored to address anticipated questions.

TIPS: 10min X 10slide maximum (not including appendix)  
Keep it non confidential. Ask IPO if you have concerns  
Developing a confidential version is a good idea.

# Guide Lines

## FOR SLIDE DECKS

- Use the elevator pitch at the beginning to establish your story and use the rest of the slides to support and build the story.
- Ie (Airbnb - “Book rooms with locals rather than hotels”.... Then 9 slides showing how and why) use appendix for the details.
- Limit the words on each slide to a 1-2 sentences max
- Don't use overly complex graphs an charts. Highlight key points and put the details in the appendix.
- Use consistent formatting
- Transitions are ok but limit their use and use them to highlight key points
- Colour is ok but pick your pallet and stick to it.
- Use images to help tell your story. Don't add random images just to add a picture.
- Use google for more tips.

## FOR PRESENTING

- Don't read your slides. They are there to reinforce your talk.
- Relax and remember you are the expert. A joke is ok.
- The goal of first presentations is to get the second meeting not close the deal.
- Don't focus on the research. There will be plenty of time to show your work in follow-up meetings.
- Practice







## SUMMARY

Dr. Comelli and Dr. Thompson conduct novel research on health impacts of flaxseed. Some of their preliminary data suggests that gut microbial processing of flaxseed is related with breast cancer risk reduction. Dr. Comelli and Dr. Thompson are looking for partners to help implement studies to show that flaxseed and its components have health benefits namely reduces breast cancer risk (assessed via miRNA biomarkers) via the gut microbiota.



UNIVERSITY OF  
TORONTO

Temerty  
Medicine



## RESEARCH TEAM



**Dr. Elena Comelli** – microbiome, nutritional programming, genomics, microRNA, growth, inflammatory diseases, gut and bone health, functional foods, probiotics, prebiotics, bioinformatics.



**Dr. Lilian Thompson** - functional foods and nutraceuticals, diet and cancer, carbohydrate/fibre metabolism, bioactives, microbiome, nutrition in diseased populations, gut health, bone health



## COLLABORATION OPPORTUNITIES

Dr. Comelli and Dr. Thompson are planning to show that flaxseed reduces breast cancer risk (assessed via miRNA biomarkers) via the gut microbiota. To run these studies they require operating funds, student salary support and, if possible, some contribution to publication costs.



## PROBLEM

It is generally understood that gut microbial processing of dietary flaxseed (FS) contributes to health benefits, but the full nature of these impacts and relative effects of its bioactive components (lignans, omega-3 fatty acids, fiber) on the microbiota are unclear. This ambiguity limits the ability of the flaxseed industry to promote the verified health benefits of consuming flaxseed and its components.



## IMPACT PLAN

The current plan is to run a new animal study to show that flaxseed and/or its components affect mammary gland development thus reducing breast cancer risk at adulthood via gut microbiota-mammary gland miRNA mechanisms. In collaboration with industry partners the results of these studies can be shared with the flaxseed industry and broader public.



## SOLUTION

- Further study in collaboration with producers of flaxseed based products.
- Study Flaxseed bioactive components (lignans, omega-3 fatty acids, fiber) and the mechanism underlying their effect on gut health
- Study of specific health outcomes related to consumption of flaxseed and derivative products.



## SUCCESS TO DATE

- Flaxseed and Flaxseed hull induce significant functional changes in the microbiota, which may then affect lignan production and their health benefits.
- Preliminary data linking Flaxseed health benefits to breast cancer risk reduction via microRNA.
- Publications on this topic have been accepted into high impact journals (Nutrients, Journal of Nutritional Biochemistry) and received awards at international conference, a clear indication of the novelty and impact of this work.

# Key Personnel

## Faculty Based Resources - Where to go to first

**Jarrood Ladouceur** Industrial Partnerships Officer  
**Temerty Faculty of Medicine**

**Glaucia Lima** Research Partnerships & Business Development Office  
**Faculty of Arts & Science**

**Lia Ciardarell** Strategic Research Development Officer  
**Leslie Dan Faculty of Pharmacy**

**Raquel De Souza** Strategic Research Initiatives and Partnerships Manager  
**University of Toronto Mississauga**

## Central Resource - IP, Strategic Industry Partnerships, Sponsored Research Agreements

**Akshita Vincent** Business Development Officer - Industry Partnerships  
**Innovations & Partnerships Office University of Toronto**

## Central Resource - Multi-National Organization Outreach

**Sonia Sugumar** Corporate Partnerships Officer  
**Office of the VP, International**

# Next Steps

## How I may be able to help:

- Connecting you with organizations
- Advising on partnership grants and options
- Support creating new partnership programs and services
- Promoting opportunities to external organizations
  - Start by helping me to build your Executive Summary
- Helping you to navigate the partnership community in and around UofT. ( I don't have all the answers but I can find the people who can help)

## How you can help Me:

- Let me know what kind of support you need either individually or as a group(s).
- Tell me why you are interested in partnerships
- Tell me why you are **not** interested in partnerships
- What are some scalable initiatives I should look into? (ie Digital tools, Networking and Training sessions)
- Would you be interested in a Peer support program?



# Thank You

It takes  
collaboration to  
build a  
community

**Jarrold Ladouceur**

Industrial Partnerships Officer  
Temerty Faculty of Medicine

[jarrod.Ladouceur@utoronto.ca](mailto:jarrod.Ladouceur@utoronto.ca)



# Speaker



**Rhianna Malcolm**

Director, Business Development, Mitacs



Supporting Collaborative  
Research

**Rhianna Malcolm – Senior Advisor, Business Development & Partnerships**





**20+**

Years in operation



**14,500+**

Research Projects



**100+**

Business Developers



**9,800+**

Partner Organizations



**150+**

Post-secondary Institutions



**\$858M**

Invested in the last 10 years

# Our programs



## Accelerate

.....  
National and  
international research  
collaborations

## Elevate

.....  
PDF specific program

## Business Strategy

.....  
Support for business  
innovation projects

### Academic/Industry Partnerships



## Globalink

.....  
International  
exchange  
of students to and  
from Canada

### Travel

# Mitacs **Accelerate**

## **Who?**

Companies  
NFPs  
Hospitals  
Municipalities

**All** sectors & disciplines

Funding from  
**\$15,000 to multi-million \$**

**Over 95%**  
application  
success rate

**Quick**, simple  
application process

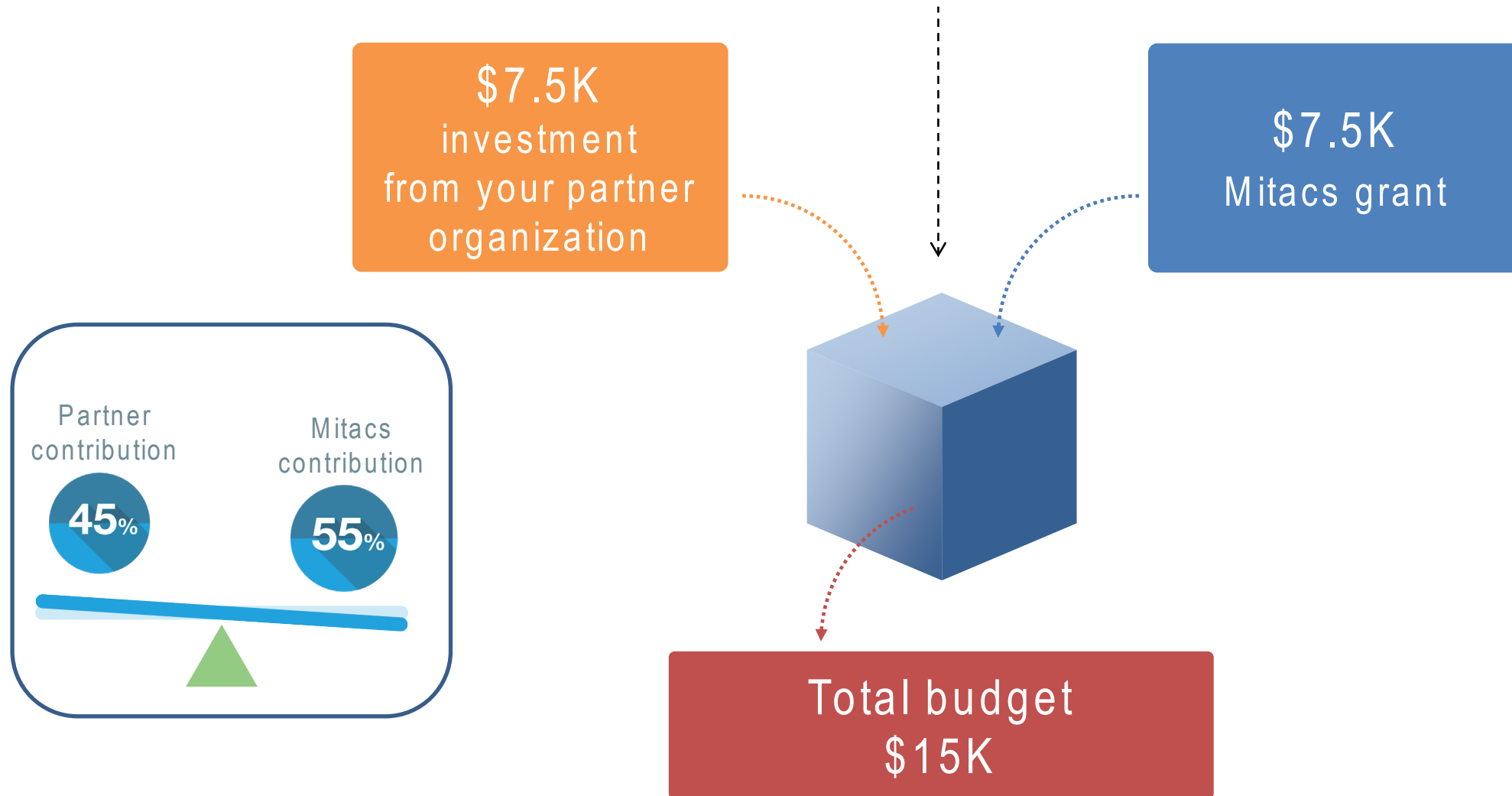
Decision within  
**6–8 weeks**

**Eligible?** Domestic  
& foreign students.  
Undergrads, grad  
students & PDFs.



# How?

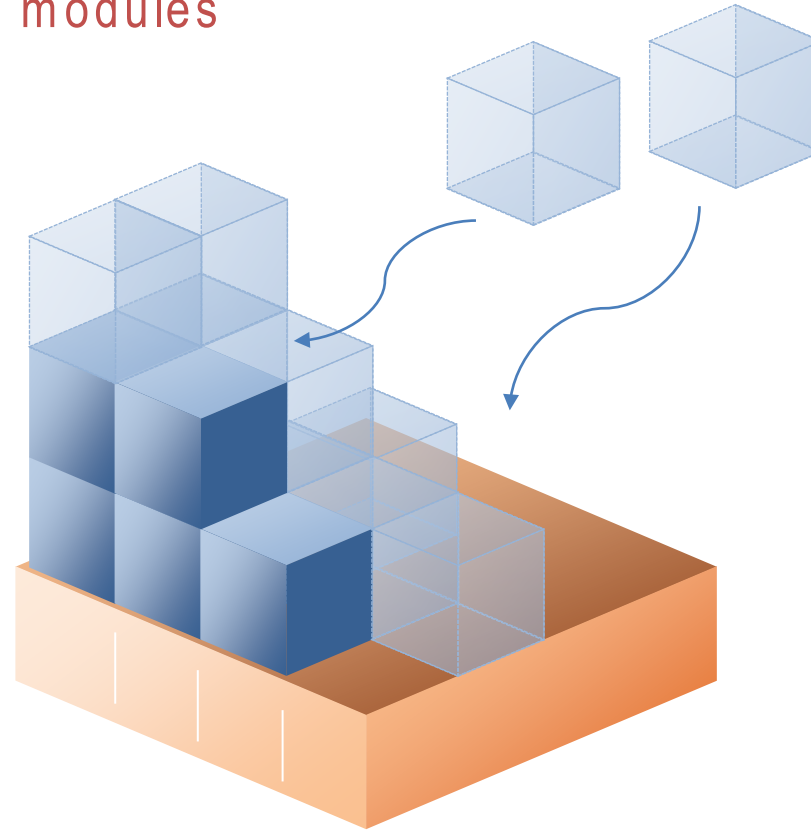
This represents a module = 4-6 month block



# Mitacs **Accelerate**

Researchers can do multiple 4- to 6-month modules

- Master's up to **4 modules**  
(over a 16–24 month period)
- PhD's up to **8 modules**  
(over a 32–48 month period)
- Postdocs up to **9 modules**  
(over a 36 month period)
- Recent grads up to **3 modules**



# Mitacs **Accelerate**

**Larger projects are  
made up of multiple  
Internship Units (IUs)**

Intern stipend  
Minimum **2/3 of grant**

Research Expenses  
Up to **1/3 of grant**

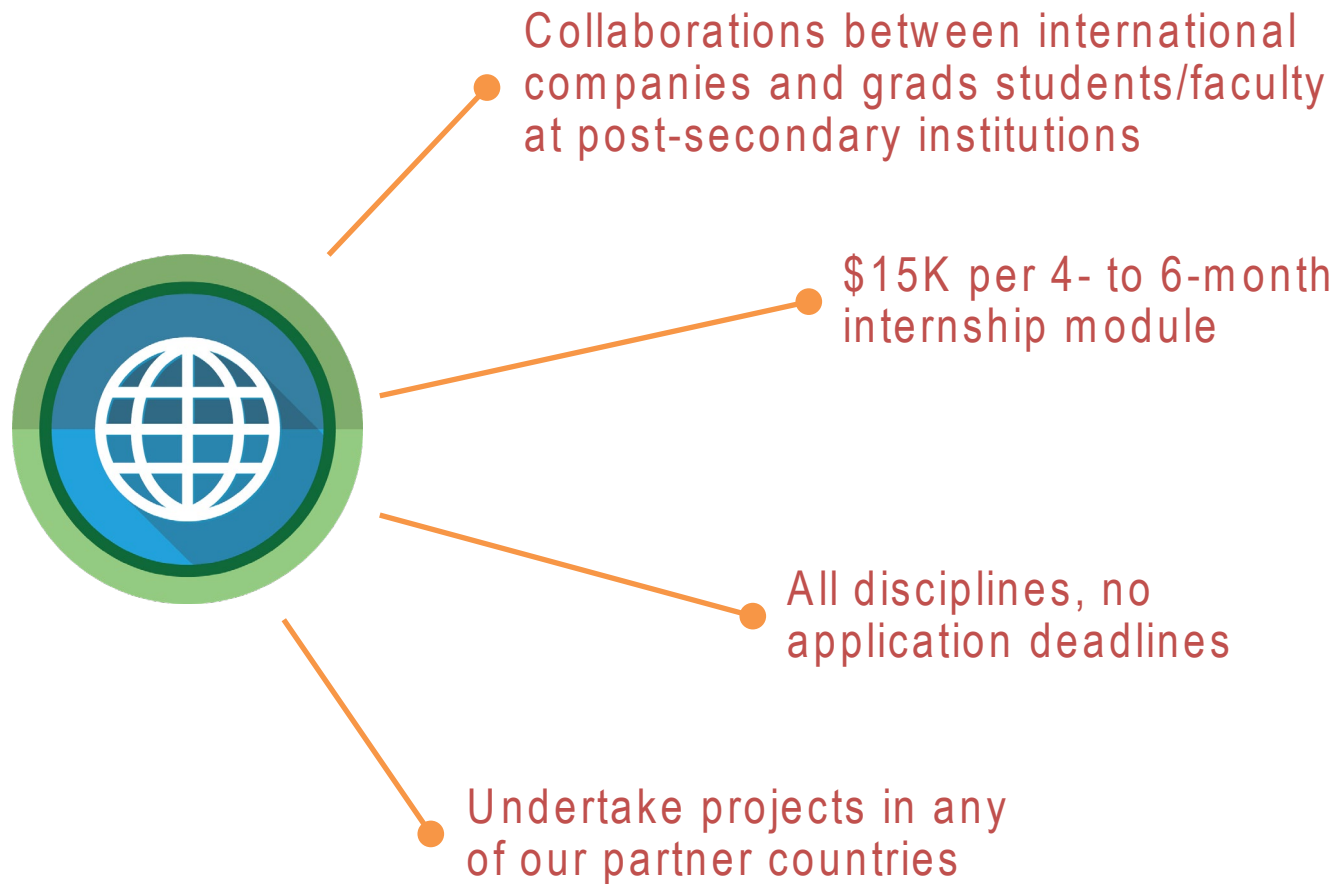
**Funding options for various degree levels**

**\$30,000 /yr**

**\$45,000 /yr**



# Mitacs Accelerate International



# Mitacs **Accelerate**—strategic partners

Streamlined joint application process available for projects involving other funding agencies and Mitacs Accelerate internships.

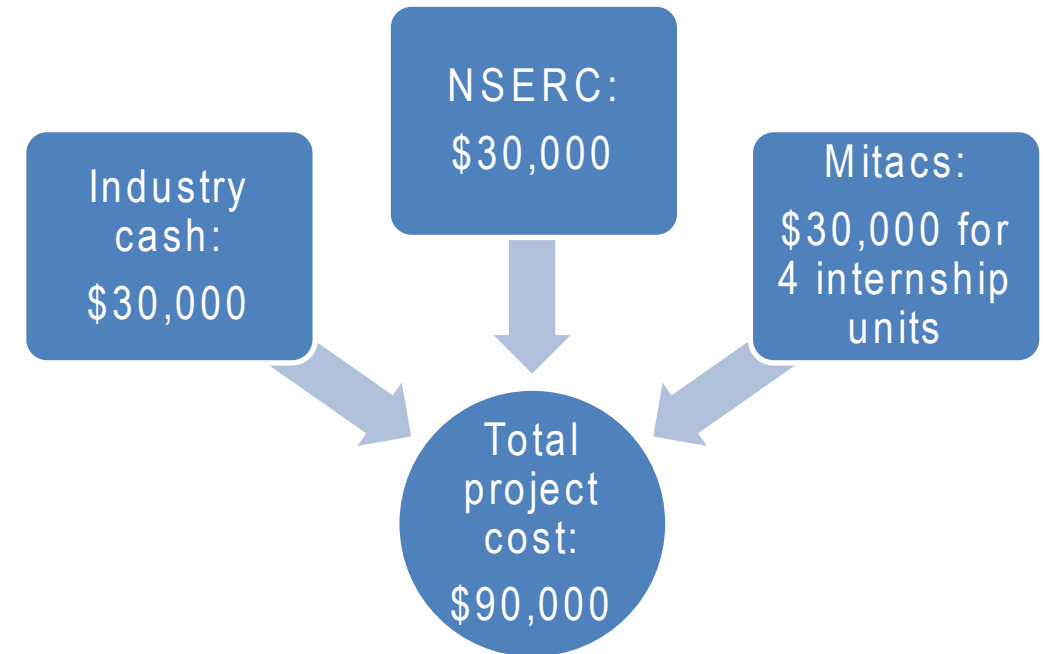


SSHRC  CRSH



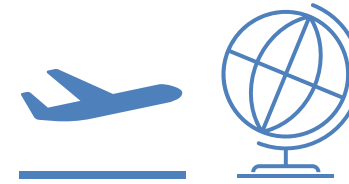
# Mitacs Accelerate + NSERC Alliance

- Helps expand the scope of the project
- Industry investment goes towards the global budget of the joint project  
(no additional industry cash is required in order to add Mitacs funding to the project)
- Streamlined process – one application provides access to both funding agencies
- Projects must meet the requirements of both Alliance and Accelerate





# Mitacs Globalink Research Award



*Student travel grant*



University-University  
collaborations in partner  
countries

## Thematic Call:

Advanced Computing  
Clean Tech  
Global Health  
Social Innovation

**6K**

research grant

**12–24 week**

research project abroad

Canadian academic  
supervisor &  
academic  
supervisor abroad

**Deadline:** Nov  
25<sup>th</sup> 2022



# **The important questions:**

How to build partnerships?

What's needed for an application?

# Mitacs projects have transformed over the years

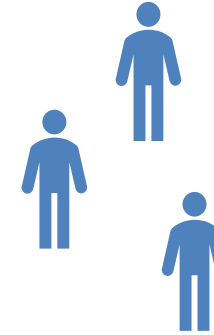


# Project Examples

9IU ~ \$140k



23IU ~ \$350k



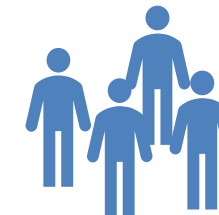
99IU ~ \$1.5M



182IU ~ \$2.7M



432IU ~ \$6.5M





# Project Examples

23IU ~ \$350k

Years			Year 1			Year 2			Year 3			Year 4			Year 5		
Months			1-4	5-8	9-12	1-4	5-8	9-12	1-4	5-8	9-12	1-4	5-8	9-12	1-4	5-8	9-12
Intern name	Degree program	IU															
	PDF	9	X	X	X	X	X	X	X	X	X						
	PhD	8	X		X	X	X	X	X	X		X	X				
	PhD	6				X	X	X	X	X		X	X				
Total internship units		23															
Total project funding		\$350,000															



99IU ~ \$1.5M

Years				Year 1 (2022)			Year 2 (2023)			Year 3 (2024)			Year 4 (2025)			Year 5 (2026)		
Months				1-4	5-8	9-12	1-4	5-8	9-12	1-4	5-8	9-12	1-4	5-8	9-12	1-4	5-8	9-12
#	Intern name	Degree program	IU															
1			3	X	X	X												
2			3		X	X	X											
			4							X	X	X	X					
			8						X	X	X	X	X	X	X	X	X	
3			4							X	X	X	X					
			8		X	X	X	X	X	X	X	X						
4			4			X	X	X	X									
			8						X	X	X	X	X	X	X	X	X	X
5			4			X	X	X	X									
			8						X	X	X	X	X	X	X	X	X	X
6			3		X	X	X											
			4				X	X	X	X								
7			9		X	X	X	X	X	X	X	X	X					
			1		X													
			4			X	X	X	X									
8			4											X	X	X	X	
			4												X	X	X	X
9			1		X													
			1			X												
			6		X	X	X	X	X	X								
10			4											X	X	X	X	
			4													X	X	X
Total internships			99															
Total project funding			\$1,320,000															



## *Industry Driven, Academic Led*

- All projects had a key person(s) at the partner supporting the application.
- Larger collaborations typically stemmed from a smaller project(s).
- TBD students utilized a lot.
- Mitacs team used in an advisory capacity to help scope projects.
- Build Mitacs in as early as possible.
- These can take time. Be patient.
- Ultimately – this is an uncapped way to secure project specific funding.

# Securing a Project Partner

## Step 1:

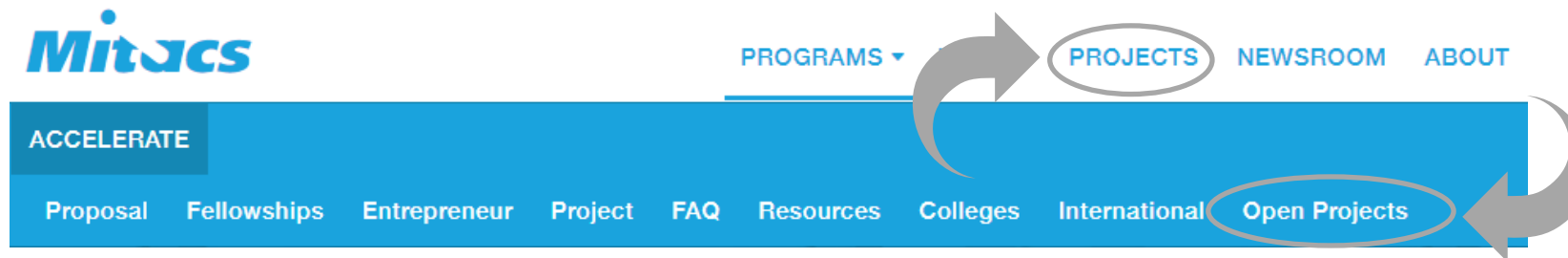
Leverage current partnerships.

## Step 2:

Look at Mitacs' OPEN projects

## Step 3:

Look at Mitacs' PAST projects



## Step 4:

Consider building Mitacs into your pitch when speaking with new partners.

# You've secured a partner...

## Where to start?

1. Project Plan
2. Budget



## Next?

Application Rough Draft

\*carve it up into smaller pieces\*



Final Copy!

**Mitacs**  
Inspiring innovation  
Inspiring innovation

Mitacs Accelerate Proposal Application

**INSTRUCTIONS**

- Please make sure you are using the latest version of this form posted on [www.mitacs.ca/en/programs/accelerate/apply-now](http://www.mitacs.ca/en/programs/accelerate/apply-now)
- Please do not modify, remove text or instructions in each section/subsection or reformat this form in any way. A modified form will result in a delay in the internship evaluation process.
- Detailed information on how to write your proposal can be found in the [Accelerate Guide: Writing your proposal document](#).
- Send your draft proposal to your [Mitacs Business Development Representative](#) prior to obtaining all signatures and submitting.
- The proposal should be written and submitted **at least eight (8) weeks prior to the planned start date of the internship**.
- The start date of the internship **has to be after** research approval and the **receipt** of the partner funds at Mitacs.
- Partner funds can be sent directly to Mitacs prior to approval to expedite the process.
- If applicable, proposals with a not-for-profit partner must seek partner and project eligibility approval before proceeding. Please contact a [Mitacs Business Development Representative](#) to discuss the eligibility of an NFP organization **BEFORE** submitting your application (see section 2.7).
- If applicable, [conflict of interest declarations](#) must be received by Mitacs **before** submitting your application (see section 4.1/4.3).
- If you cannot see the items listed in the drop downs, please refer to the Appendix B: Options and type the corresponding answer on the space provided.

**Please note:**

If required, your Mitacs Business Development Representative can assist you with:

- Identifying your Office of Research Services (ORS) representative.
- Assessing the eligibility and completeness of the proposed research.

**APPLICATION CHECKLIST**

A complete internship application package must include the following:

- ☐ The proposal application **completed and signed** by all parties in Word form. The Mitacs Accelerate Memorandum (see Section 7) with signatures must be submitted as a scanned PDF file.
- ☐ List of six external expert, arms-length reviewers and their contact information.
- ☐ Intern(s) CV (a [CV template](#) is available on the Mitacs website).
- ☐ Lead Academic Supervisor's CV only for projects with 6 IUs and up (CCV as per Tri-Council or [other](#) CV format).
- ☐ Excel budget spreadsheet: *Accelerate Resource Plan and Invoicing*.
- ☐ Any supplementary documents (as applicable).
- ☐ Appendix A - Accelerate Intern Consent Form signed.

\* An incomplete application or a modified form will result in a delay in the internship evaluation process.

For more information, contact a [Mitacs Business Development representative](#).



Thanks to our funding partners

Canada 





QUESTIONS?

# Thank you for your interest



- [rmalcolm@mitacs.ca](mailto:rmalcolm@mitacs.ca)



- (416)347-0473



- [@MitacsCanada](https://twitter.com/MitacsCanada)



- [linkedin.com/company/mitacs/](https://linkedin.com/company/mitacs/)

***Mitacs***

# Project Examples

182IU ~ \$2.7M





# Project Examples

432IU ~ \$6.5M



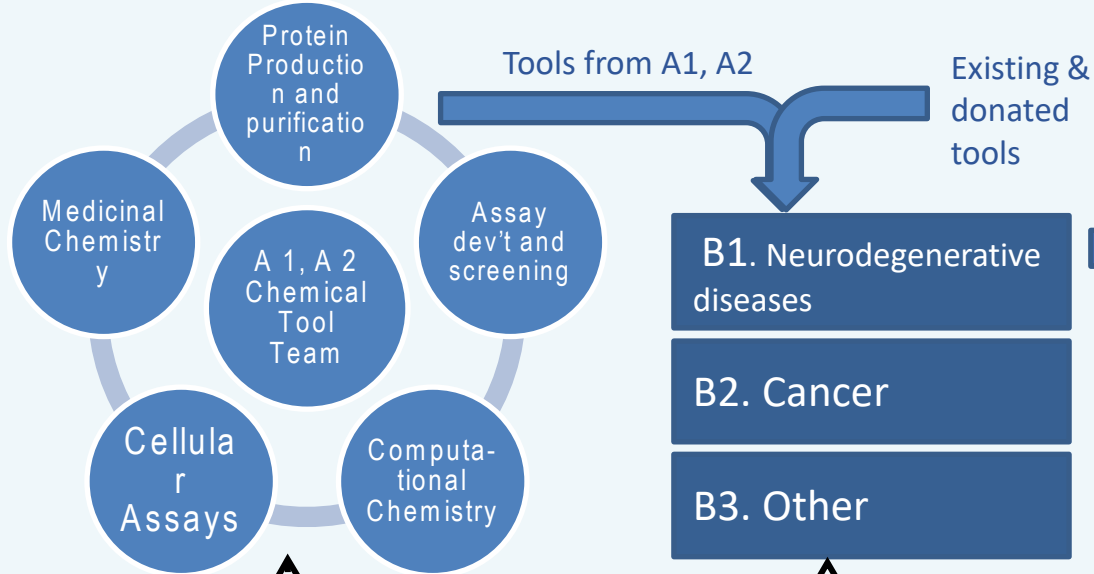
# Research Themes

Tools for the understudied  
Proteome

Functional Characterization  
of Targets

Open Source Drug  
Discovery & Dev't

## Stream 1 Technology Dev't



## Stream 3 Open Source Drug Discovery & Dev't

Validated  
Targets and  
starting  
compounds

C1. Paediatric diseases

C2. Rare diseases

C3. Neurodegenerative  
diseases

C4. Infectious diseases

## Stream 2 Biology-based

*Trainees collaborate with groups within Technology stream*

Create Target Enabling  
Package (TEP)

Protein  
Structure  
Cell-based assays  
Chemical tools  
CRISPR KO cell line  
Validated antibodies

Testing in patient-  
derived models

Parkinson's Disease

Other

Validated  
Targets and  
starting  
compounds

**Thank  
You**

It takes  
collaboration to  
build a  
community

