Research Partnerships

McMaster Industry Liaison Office (MILO)

Research Office for Administration, Development and Support (ROADS)
Research Office for Administration, Development & Support (ROADS)

- encourage and assist faculty to apply for external non-industry grants to support their research activities
- assist with proposal development by reviewing applications and providing advice
- ensure that applications comply with agency and institutional guidelines and policies
- draft institutional elements for major infrastructure project submissions
- act as primary institutional contact for external granting agencies
McMaster Industry Liaison Office (MILO)

- Advancing partnered/collaborative research and helping researchers obtain funding
- Assist with proposal development and submission
- Negotiating agreements that facilitate research (including research agreements, material transfer agreements, non-disclosure agreements, MOUs and others)
- Educating the research community on partnership building and intellectual property
- Commercializing research results to ensure greater social and/or economic benefits
Health Research Services (HRS)

- Provides research administration services for researchers in the Faculty of Health Sciences, including:
  - Assist in identifying funding opportunities
  - Review applications and obtain institutional signatures for research applications and grant agreements
  - Assist in determining allowable budgetary items
  - Review and process requests for research accounts
  - Support the human and animal ethics review processes
  - Manage research space and infrastructure (in FHS)
Office of Community Engagement

- Facilitate partnership opportunities through the management and coordination of the Network for Community-Campus Partnerships.
- Support community partners as well as McMaster students, faculty, and staff who are interested in developing skills and competencies for principled, sustainable, and reciprocal partnerships aligned with Community Engagement Strategic Plan.
- Help partners and colleagues at McMaster identify where to go, who to talk to, or what resources exist to support partnership building, with a specific focus on the local, greater Hamilton, context.
- Improve awareness of the work of community-engaged individuals, research and education outcomes, available resources, and upcoming opportunities and events.
- Contact: community@mcmaster.ca or Dave Heidebrecht dheide@mcmaster.ca
  
  http://macconnector.mcmaster.ca/
  
  Twitter: @McMasterCE   Facebook: facebook.com/McMasterCE
Support Within Your Faculty

- **DeGroote School of Business**
  - Pina Del Monte, Research Support Facilitator (delmonp@mcmaster.ca)

- **Engineering**
  - Sarah Anstett, Research Support Coordinator (anstets@mcmaster.ca)

- **Health Sciences**
  - Tracy Arabski, Associate Director, Health Research Services (HRS) (arabski@mcmaster.ca)

- **Humanities**
  - Grace Pollock, Research Support Facilitator (pollocge@mcmaster.ca)

- **Science**
  - Seanna-Lin Brodie-Keys, Administrator, Research & Facilities (brodies@mcmaster.ca)

- **Social Sciences**
  - Christine Hollins, Research Administration Analyst (hollinc@mcmaster.ca)
Partnership Funding Opportunities

New Partnerships and Short-term Projects
- NSERC Connect
- NSERC Engage and Engage Plus
- Mitacs Accelerate
- OCE VIP1
- OCE TalentEdge
- CIHR Planning & Dissemination
- CIHR Catalyst
- SSHRC Connection Grant
- SSHRC Partnership Development Grant

Larger Scale and Longer-term Projects
- NSERC Strategic Partnerships for Projects
- NSERC Industrial Research Chair
- NSERC Collaborative R&D
- OCE VIP II
- CIHR Project Grant
- CIHR/NSERC Collaborative Health Research Projects
- CIHR Strategy for Patient-Oriented Research
- CIHR Industry-Partnered Collaborative Research (IPCR)
- NSERC CREATE
- NSERC Strategic Partnerships for Networks
- SSHRC Partnership Grant
- Ontario Research Fund – Research Excellence
- Networks of Centres of Excellence

Commercialization
- NSERC Idea to Innovation
  - Centres of Excellence for Commercialization and Research
Maximizing Your Partner Contribution

- Partner contributions can be leveraged both provincially and federally

Example:

<table>
<thead>
<tr>
<th>Company Contribution to Direct Costs (excl overhead &amp; assuming equal amount of In Kind)</th>
<th>Maximum Request from NSERC (CRD)</th>
<th>Maximum Request from OCE (VIP II)</th>
<th>Total Project funds for Direct Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>$50K (cash)</td>
<td>$100,000</td>
<td>$75,000</td>
<td>$225,000</td>
</tr>
</tbody>
</table>
Panel Members

- **Chelsea Gabel**
  - Assistant Professor, Indigenous Studies Program and Health, Aging & Society

- **Paula Gardner**
  - Asper Chair in Communications & Associate Professor, Communications Studies & Multimedia

- **Gillian Goward**
  - Professor, Chemistry & Chemical Biology

- **Khaled Hassanein**
  - Professor, Information Systems & Director, McMaster e-Business Research Centre (MeRC)

- **Karen Mossman**
  - Professor, Pathology and Molecular Medicine

- **Ravi Selvaganapathy**
  - Canada Research Chair in Biomicrofluidics & Professor, Mechanical Engineering
Developing Relationships and Partnerships with Indigenous Peoples & Communities

Chelsea Gabel, PhD
Director, McMaster Indigenous Research Institute
Assistant Professor
Department of Health, Aging and Society
Indigenous Studies Program

www.miri.mcmaster.ca
www.digitalimpactfn.com
gabelc@mcmaster.ca
My Research Grants & Projects


- Using Photovoice to Understand Intergenerational Influences on Indigenous Health and Well-Being (SSHRC Insight Development Grant) July 2014 - Present


- Indigenous Futures: Research Sovereignty in a Changing Social Science Landscape (SSHRC Knowledge Synthesis Grant) January 2017 - Present
A Poor history
Colonization

“the subjugation of one people by another through destruction and/or weakening of basic institutions of the subjugated culture and replacing them with those of the dominant culture” (Lee 1992, 213)
The Indian Act

- Define who is a “status Indian”
- Tool of colonization
- Regulates and controls every aspect of their life
Residential School System
As a result...

- Indigenous peoples are suspicious of outsiders’ involvement in their communities
Questions to Consider

- How can research proceed responsibly against a backdrop of colonialism and inequity?
- What is the role of community involvement in research?
- How will you engage the community/organization in your research? What roles might the community/organization play in your research?
- What risks may arise in your project/research? For individuals? For communities? For researchers?
- How will you reduce or respond to these risks?
- How might individuals and the community benefit from the project that your research proposes?
Choosing a community/organization to work with

• Choose communities/organizations where you have connections already (when possible)

• Find a partner who has community connections

• Let people know your expertise and get invited by the community

• Get involved with the Indigenous community on campus
Developing relationships

• Create time, space and actions in your research plan to develop community relationships at the beginning of and throughout the duration of your project.

• What are the knowledge and power dynamics involved and where are you positioned in relation to the research participants? In broader society? In the research project?
• Listen and be responsive

• Be open to community ways of knowing, ways of being, ways of communicating

• Be clear about your research expectations, timelines, requirements

• Recognize community expertise, limitations, expectations

• Be prepared to go beyond traditional academic outputs
Indigenous Specific Participatory Action Research Model

They became available. This ongoing communication was greatly aided by the Health Centre’s willingness to accept the investigator as “staff” during the life of the research. Jacklin’s presence in the community allowed her to respond quickly to questions, concerns, and ideas regarding the research, and essentially to make the research more accessible to the community.

Investment in the public awareness campaign proved highly successful as research assistants reported that participants would say “I was expecting you,” or “I was wondering when you were coming.” One research assistant later wrote that most participants anticipated their interview: “Most times I was told ‘I knew you were coming around,’ ‘I heard you were coming this way,’ ‘come on in and let’s get this over and done with’” (Mandamin, 2003).

Continual and forthright communication allowed for a high degree of flexibility in the research process. As most community-based researchers would admit (see Chrisman, Strickland, Powell, Squeochs, & Yallup, 1999; Elias & O’Neil, 2001), a great deal of what happens in research is not mapped out in proposals of study, but rather occurs in response to various situations as the study progresses.

Challenges to communication with governance occurred due to the extended time required for the research and a relatively fast turnover in health boards and chiefs and councils. During the research process we worked with three health authorities: the Health Board, replaced by the Standing Committee on Health, replaced by the Health Committee during the final months of community dissemination. This resulted in a committee of new members receiving the results from a study two other groups of community members had approved and managed. The same was true for the Chief and Council, who experienced one turnover during the research. While some band councilors remained on council and saw the project through, there was no continuity in the membership of the three health authorities. Kinoshameg, a strong advocate for the research, was instrumental in ensuring smooth transitions and relations with each of the new stakeholders.

Dissemination of the results to the community and participants in a relevant and acceptable format was noticed and appreciated by community members. It also provided an opportunity for community members to challenge and confirm the results. Although it was not labeled knowledge translation at the time, our research...

Eight Principles:

1. Partnership
2. Empowerment
3. Community Control
4. Mutual Benefit
5. Wholism
6. Action
7. Communication
8. Respect

FIG. 1. Wikwemikong Community Needs Assessment Research Model.
THANK YOU!
PARTNERSHIP DEVELOPMENT INFORMATION SESSION

Khaled Hassanein, P.Eng., PhD, MBA

April, 2017
Why collaborate?

- Provides a relevance dimension to research
- Increasingly a required/preferred criteria for many granting agencies
- Provides valuable training/networking opportunities for your HQP
- Increases the budget of your research through in-kind and/or cash contributions
- Collaborations forms
  - Research agreements Vs. Research contracts
Private/Public Sector Collaboration on Research

Research Formulation → Research → Knowledge Mobilization

Partners
Research Partnership Formulation

- Invoke & cultivate your network
- Invoke the network of other researchers on your team
- Work with Research Coordinator, External relations, VPR office, and consult with MILO and ROADS
- Understand their interest and articulate a customized strong value proposition
- Work with them to find a niche that would be of mutual interest
- Identify appropriate team members across McMaster & beyond
- Dealing with multiple partners on the same project
- Diffuse the dreaded IP issue
- Make it clear that you intend to publish
- Make it easy for them to support you
- Be persistent & patient!
Research

- Have clear expectations on both sides
- Involve them in governance as appropriate
- Have an active champion at their end
- Provide regular updates … in a language they understand
Knowledge Mobilization

- Critical criteria for many granting agencies
- Help partners take advantage of your findings
- HQP hiring is one way for KM to occur
- This is what will make them come back for more collaboration
Dr. Khaled Hassanein,  
Professor of Information Systems  
DeGroote School of Business  
McMaster University  
(905) 525-9140 ext. 28130  
hassank@mcmaster.ca
New Partnerships and Short Term Projects
NSERC Connect Grants

- **Purpose**: travel costs related to the development of new academic-industry partnerships in natural sciences or engineering research
- **Grant/Term**: $5k/yr., up to 3 months
- **Industry match**: None
- **Review/Success**: reviewed with in days, ~100%
- **Note**: Travel expenses are only eligible expense
NSERC Engage Grants and Engage Plus

- **Purpose:** New collaboration between industry and academic researcher to solve a company-specific problem
- **Funds/Term for Engage:** $25k/6 months, no industry match, in-kind only
- **Funds/Term for Engage Plus:** $12.5k/additional 6 months, $15.6K industry match (inclusive of overhead)
- **Review/Success:** 4-6 weeks, ~100%
- **Notes:** resulting IP owned by company
- **MILO Contacts:**
  - Ryan Vieira ([vieirara@mcmaster.ca](mailto:vieirara@mcmaster.ca))
  - Bertha Monrose ([monrose@mcmaster.ca](mailto:monrose@mcmaster.ca)) – FHS only
Mitacs Accelerate

- **Purpose:** Internship funds for graduate students and postdoctoral fellows for business-related research challenges. This project is open to eligible not-for-profit and Crown corporation partners.

- **Funds/Term:** $7.5k, per 4 month block + 1:1 Industry match (total $15k, $10k salary), program is scalable, create clusters.

- **Review/Success:** Open deadline, 4-6 weeks, 80%+

- **Notes:** Max. 2 per Masters, 6 per PhD, and 6 per PDF.

- **Elevate program for PDFs only done via special call 2x/year.

- **MILO Contacts:**
  - Ryan Vieira (vieirara@mcmaster.ca)
  - Bertha Monrose (monrose@mcmaster.ca) – FHS only
OCE VIP 1

- **Purpose:** Collaborations that lead to knowledge mobilization, commercialization and increased productivity with significant economic impact for Ontario.
- **Funds/Term for VIP I:** $20k/up to 12 months,
- **Industry Match:** 1:1 match of cash & in-kind – min. $5K cash from industry
- **Review/Success:** ~6-8 weeks, ~95%
- **Notes:** there is an opportunity to stack funding with NSERC programs
- **MILO Contacts:**
  - Ryan Vieira ([vieirara@mcmaster.ca](mailto:vieirara@mcmaster.ca))
  - Bertha Monrose ([monrose@mcmaster.ca](mailto:monrose@mcmaster.ca)) – FHS only
OCE TalentEdge

- **TalentEdge Internship Program**
  - College and university students (undergrad and grad) and recent grads work on collaborative industry-driven projects
    - 4 months, $10k for $5k industry cash & $5k in-kind

- **TalentEdge Fellowship Program**
  - Postdoctoral Fellows work on industry-driven research and development projects
    - 12 months, $32.5k from OCE for $25k industry cash & $25k in-kind, plus $2.5k for professional development

- **MILO Contacts:**
  Ryan Vieira (vieirara@mcmaster.ca)
  Bertha Monrose (monrose@mcmaster.ca) – FHS only
CIHR Planning & Dissemination Grants

- support planning activities, partnership development and/or increasing understanding of the health research landscape
- support dissemination events/activities that focus on the communication of health research evidence to the appropriate researcher and/or knowledge user audience(s)
- maximum amount varies by CIHR Institute but will not exceed $25,000 for up to one year
- value, duration, and deadlines vary by CIHR Institute
- **ROADS contact:** Cynthia Belaskie, belaski@mcmaster.ca
- **HRS contacts:** Ashley Preston, presta2@mcmaster.ca or Lisa Hodge hodgel@mcmaster.ca
- [http://www.cihr-irsc.gc.ca/e/36098.html#a2](http://www.cihr-irsc.gc.ca/e/36098.html#a2)
CIHR Catalyst Grants

- support partnerships between the community and researchers to facilitate the conduct of community-based research and/or develop future applications for more comprehensive community-based research grants
- eligible activities include workshops, pilot projects, feasibility studies, development of new tools, methodologies, etc.
- value, duration, and deadlines vary by CIHR Institute
- **ROADS contact:** Cynthia Belaskie, belaski@mcmaster.ca
- **HRS contacts:** Ashley Preston, presta2@mcmaster.ca or Lisa Hodge hodgel@mcmaster.ca
SSHRC Connection Grant

- support workshops, colloquiums, conferences, forums, summer institutes or other events or outreach activities that facilitate exchanges between academic researchers and the public, private and/or not-for-profit sectors
- may be one-time encounters or catalysts designed to lead to longer-term partnerships
- Events: $7,000 to $25,000 for 1 year
- Outreach activities: $7,000 to $50,000 for 1 year
- Requires matching funds of at least 50% of SSHRC request

**Deadlines:** February 1, May 1, August 1, and November 1

**ROADS contact:** Pamela McIntyre, mcintyp@mcmaster.ca

[Link to SSHRC website](http://www.sshrc-crsh.gc.ca/funding-financement/programs-programmes/connection_grants-subventions_connexion-eng.aspx)
SSHRC Partnership Development Grant

- Provides support to new partnerships or new partnership activities to:
  - foster innovative research, training and the co-creation of new knowledge on critical issues through a process of ongoing collaboration and mutual learning
  - synthesize, apply and mobilize new and existing social sciences research knowledge in accessible ways
- $75,000 to $200,000 over 1 to 3 years
- Contributions from partner organizations are expected
- **Deadline:** November 30th
- **ROADS contact:** Sherisse Webb, webbsh@mcmaster.ca
Larger Scale Research and Development Grants
NSERC Strategic Project Grants

- **Purpose:** Reduce risk associated with leading edge research. Early stage project research in targeted areas
- **Funds/Term:** ~$150k/year for 1-3 years, no industry cash req’d, in-kind only
- **Deadline:** LOI Stage – February 1, Invitation to full application - April 1st, Deadline for full application - June 7th
- **Review/Success:** Announced early Oct – start date is Sept 30
- **Notes:** while there is no cash required from there company, letter of support must clearly detail company’s engagement and vested interest in the project
- **MILO Contacts:**
  - Ryan Vieira ([vieirara@mcmaster.ca](mailto:vieirara@mcmaster.ca))
  - Bertha Monrose ([monrose@mcmaster.ca](mailto:monrose@mcmaster.ca)) – FHS only
NSERC Industrial Research Chairs

- **Purpose:** Support Faculty Salary and Research Program, capacity building
- **Funds/Term:** Typically $100-300K per year for 5 years. 1:1 match of cash only
- **Deadline:** No deadline, reviewed quarterly
- **Review/Success:** 4-7 months, proposals that won’t get funded typically are withdrawn before submission
- **MILO Contact:** Amber Metham (Metham@mcmaster.ca)
NSERC Collaborative R&D (CRD) Grants

- **Purpose:** Well-defined projects undertaken by university and private sector partners
- **Funds/Term:** Typically $100-200K per year for up to 5 years. 1:1 match of cash and in-kind (industry cash must be a min. of 50% of the amount requested from NSERC)
- **Deadline:** No deadline
- **Review/Success:** 3-5 months, 80-90%
- **Notes:** 25% overhead on company cash contribution (overhead is not matched by NSERC)
- **MILO Contacts:*
  - Ryan Vieira ([vieirara@mcmaster.ca](mailto:vieirara@mcmaster.ca))
  - Bertha Monrose ([monrose@mcmaster.ca](mailto:monrose@mcmaster.ca)) – FHS only
OCE VIP II

- **Purpose:** Collaborations that help Ontario companies develop, implement and commercialize technical innovations with an academic partner
- **Funds/Term for VIP II:** min of $50k and max of $75K/year/up to 2 years
- **Industry Match:** 1:1 match of cash & in-kind – industry cash must be a min. of 50% of the amount requested from OCE
- **Review/Success:** ~2 months, ~95%
- **Notes:** 30% overhead on industry contribution and there is an opportunity to stack funding with NSERC programs
- **MILO Contacts:**
  - Ryan Vieira ([vieirara@mcmaster.ca](mailto:vieirara@mcmaster.ca))
  - Bertha Monrose ([monrose@mcmaster.ca](mailto:monrose@mcmaster.ca)) – FHS only
CIHR Project Grant

- Supports health-related research and knowledge translation projects at any stage, from discovery to application, including commercialization.
- Minimum threshold of funded knowledge translation and commercialization projects that include a partnered/integrated knowledge translation approach.
- Expected that most Project grants will be $50K to $750K per year for 1 to 5 years.
- Depending on the nature of the project, a commitment (cash or in-kind) from knowledge user(s) or other partners may be expected.

**Deadlines:** Spring and Fall of each year
  - Spring 2017: Registration-May 30th, Application-June 5th

**ROADS contact:** Cynthia Belaskie, belaski@mcmaster.ca

**HRS contacts:** Ashley Preston, presta2@mcmaster.ca or Lisa Hodge, hodgel@mcmaster.ca

[http://www.cihr-irsc.gc.ca/e/49051.html](http://www.cihr-irsc.gc.ca/e/49051.html)
CIHR/NSERC

Collaborative Health Research Projects (CHRP)

- supports collaborative research projects between natural sciences or engineering and health sciences
- requires the translation of the research results to knowledge/technology users (KTUs) and related stakeholders
- support provided for up to three years; no upper limit on awards
- **Deadlines:** LOI - Spring; invited full application – Fall
- **ROADS contact:** Sherisse Webb, webbsh@mcmaster.ca
- **HRS contacts:** Ashley Preston, presta2@mcmaster.ca or Lisa Hodge, hodgel@mcmaster.ca
- [http://www.cihr-irsc.gc.ca/e/48043.html](http://www.cihr-irsc.gc.ca/e/48043.html)
CIHR Strategy for Patient-Oriented Research

- seven pan-Canadian Networks of member networks that include researchers, provinces and territories, partners, health care providers, patients and families have been established:
  - CHILD-BRIGHT: Child Health Initiatives Limiting Disability – Brain Research Improving Growth and Health Trajectories
  - Chronic Pain Network
  - Diabetes Action Canada
  - Inflammation, Microbiome, and Alimentation: Gastro-Intestinal and Neuropsychiatric Effects: the IMAGINE-SPOR Chronic Disease Network
  - Listening, Learning, Leading: Canadians Seeking Solutions and Innovations to Overcome Chronic Kidney Disease (Can-SOLVE CKD)
  - Primary and Integrated Health Care Innovations - PIHCI
  - Youth and Adolescent Mental Health – ACCESS Open Minds HRS

- **ROADS Contact:** Sherisse Webb, webbsh@mcmaster.ca
- **HRS Contact:** Tracy Arabski, arabski@mcmaster.ca
- [http://www.cihr-irsc.gc.ca/e/41204.html](http://www.cihr-irsc.gc.ca/e/41204.html)
CIHR Industry-Partnered Collaborative Research (IPCR)

- provides funding for collaborative research projects involving the academic community and Canadian industry partners
- requires that the academic researcher and industry partner (knowledge user) work collaboratively throughout the research process
  - the industry partner should be engaged in the appropriate stages of the research project; from shaping the research question to disseminating and moving the research into practice
- up to $250,000 per year for up to 5 years
- **ROADS contact:** Cynthia Belaskie, belaski@mcmaster.ca
- **HRS contacts:** Ashley Preston, presta2@mcmaster.ca or Lisa Hodge, hodgel@mcmaster.ca

April 20, 2015
NSERC Collaborative Research and Training Experience (CREATE)

- supports innovative training programs that:
  - encourage collaborative and integrative approaches
  - address significant scientific challenges
  - facilitate the transition from trainees to productive employees
- Up to 50 percent of the CREATE grants will be dedicated to the industrial stream
  - must have one or more industrial member(s) on the program committee
  - must include internships for all trainees for at least 20 percent of training
- up to $1.65M over six years
- **Deadline:** LOI - Spring; invited application - Fall
- **ROADS contact:** Grace Kim, kimps@mcmaster.ca
NSERC Strategic Partnership Grants for Networks

- fund large-scale, multi-disciplinary research projects in targeted research areas that require a network approach and that involve collaboration between academic researchers and Canadian-based organizations
- organizations must be involved in all stages of the network, from development of the proposal to exploitation of the research results for the benefit of Canada
- up to $5M over five years
- **Deadlines:** preliminary application April 1st
- **ROADS Contact:** Grace Kim, kimps@mcmaster.ca
SSHRC Partnership Grants

- provide support for formal partnerships to advance research, research training and/or knowledge mobilization through mutual co-operation and sharing of intellectual leadership
  - can include co-creation of knowledge, research networks, partnered knowledge mobilization activities, partnered chairs, partnered research centres, and/or partnered research training initiatives
- $500,000 to $2.5 million over 4 to 7 years
- Matching funds of at least 35% of SSHRC request required
- **Deadlines:** LOI-February 15th, Invited Application-November 1st
- **ROADS Contact:** Sherisse Webb, webbsh@mcmaster.ca
Ontario Research Fund-Research Excellence

- supports leading-edge, transformative, and internationally significant research of strategic value to the province
- projects must demonstrate research excellence and the investment of partner organizations
- will contribute a maximum of 1/3 of the operating costs, usually between $1M and $4M over five years ($200K to $1M for Social Sciences, Arts and Humanities applications)
- 1/3 of the remainder (cash and in-kind) coming from the applicant institution(s) and/or non-private sector partners, and 1/3 from private sector partners
- **Deadline:** Mandatory NOI – May 2nd, Application – Sept 25th
- **ROADS contact:** Sherisse Webb, webbsh@mcmaster.ca
- **HRS contact:** Tracy Arabski, arabski@mcmaster.ca
Networks of Centres of Excellence (NCE)

- supports large-scale academically-led research networks
- networks are expected to be multidisciplinary and to involve the significant and meaningful participation of researchers whose expertise falls under the domains of two or more of the federal granting agencies, where appropriate
- must integrate industry, receptor partners, academia, and government priorities
- partners from industry, government and not-for-profit organizations contribute additional expertise, and cash and in-kind support
- funding provided for up to ten years; average award ~$54M
- anticipated launch for next competition: Spring 2017

ROADS contact: Sherisse Webb, webbsh@mcmaster.ca

HRS contact: Tracy Arabski, arabski@mcmaster.ca

http://www.nce-rce.gc.ca/Programs-Programmes/NCE-RCE/Index_eng.asp
Commercialization Grants
NSERC I2I Program

- **Purpose:** Develop university-based research to the point where a company will take it on to commercialize

- **Funds/Term:** Phase 1 Up to 125K for 12 months, no company match but strong letter of support required. Phase 2b up to 350K over 2 years, company must match with cash and in-kind 1:1, cash must be 40%

- **Deadline:** Jan, April; July, October

- **Review/Success:** 3 months, 40% success rate for Phase 1, Phase 2 much higher

- **MILO Contact:** Glen Crossley (crosslg@mcmaster.ca)
NCE Centres of Excellence for Research and Commercialization (CECR)

- **Purpose:** Bridges the gap between innovation and commercialization and matches clusters of research expertise with the business community to share the knowledge and resources that bring innovations to market faster.

- **Funds/Term:** Up to $15M in first 5 years, additional funds can be requested to achieve sustainability

- **Deadline:** Contact MILO, done via irregular calls for applications

- **MILO Contact:** Amber Metham (Metham@mcmaster.ca)