



Research Funding Opportunities

McMaster Industry Liaison
Office (MILO)

Research Office for
Administration, Development
and Support (ROADS)



Research Office for Administration, Development & Support (ROADS)

- Encourages and assist faculty to apply for external non-industry grants to support their research activities
- Assists with proposal development by reviewing applications and providing advice
- Ensures that applications comply with agency and institutional guidelines and policies
- Drafts institutional elements for major infrastructure project submissions
- Acts as primary institutional contact for external granting agencies



Research Office for Administration, Development & Support (ROADS)

Development Unit

- identification of funding opportunities
- provision of information sessions
- assistance with budget development
- review and editing of grant submissions
- review for compliance with agency and institutional guidelines

Administration & Support Unit

- budget revisions and amendments
- assistance in managing McMaster's allocation for identified programs
- ensures that researchers and the University are protected through funding agreements and compliance with agency and institutional policy



McMaster Industry Liaison Office

- 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



How MILO Can Help You with Your Partnership

- **Advise on funding** opportunities and IP – support you in discussing and/or meeting with potential industry partner to determine best option
- Assists in **establishing the appropriate agreement**
- MILO reviews, negotiates and is the signing authority on all NDAs, MTAs, and **research contracts**
- Support you in **identifying your value proposition** to industry partners



Where to Find Funding Opportunities

- Research Funding planning: ROADS Senior Advisors
- Subscribe to the biweekly ROADS Funding Opportunities Bulletin: contact Research Information Specialist, Susan Gordon (gordosc@mcmaster.ca)
- Search the Community of Science (COS) Pivot database (<http://pivot.cos.com/>)
- Browse the alphabetical list of funding opportunities on our website (<http://roads.mcmaster.ca/funding/funding-sources-a-to-z>)
- Visit the funding agency websites (<http://roads.mcmaster.ca/funding>)
- Most programs MILO manages have rolling deadlines and information can be found on the agency websites (http://www.nserc-crsng.gc.ca/Innovate-Innover/Collaborate-Collaborer_eng.asp and <http://www.oce-ontario.org/programs>). MILO circulates calls for proposals for competitions with deadlines.



Funding Opportunities

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Discovery
Grants

RTI

Strategic
Partnerships
for Projects

Strategic
Partnerships
for Networks

Connect

NSERC/CIHR
CHRP

Networks of
Centres of
Excellence

Idea to
Innovation

Engage
and
Engage
Plus

Mitacs
Accelerate

NSERC CRD

CREATE

P
R
O
V
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N
C
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ERA

OCE
TalentEdge

OCE VIP II

ORF-RE

OCE VIP1

Initial Funding
Opportunities, New
Partnerships & Short Term
Projects

Larger Scale and Longer Term
Research and Development

Commercialization



New Partnerships and Short Term Projects (MILO)



Maximizing Your Partner Contribution

- Partner contributions can be leveraged both provincially and federally
- Example:

Company Contribution to Direct Costs (excl overhead & assuming equal amount of In Kind)	Maximum Request from NSERC (CRD)	Maximum Request from OCE (VIP II)	Total Project funds for Direct Costs
\$50K (cash)	\$100,000	\$75,000	\$225,000



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 within days, ~100%
- **Note:** Travel expenses are only eligible expense
- **MILO Contact:**

Ryan Vieira (vieirara@mcmaster.ca)



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 Contact:**
Ryan Vieira (vieirara@mcmaster.ca)



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)



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)



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 Contact:**
 - Ryan Vieira (vieirara@mcmaster.ca)
 - Ryan Caldwell (rcaldwell@mitacs.ca;
caldwejr@mcmaster.ca)



Developed Partnerships (MILO)



NSERC 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 Contact:**
Ryan Vieira (vieirara@mcmaster.ca)



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 Contact:**
Ryan Vieira (vieirara@mcmaster.ca)



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)



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:**
Alan Sawula (sawulad@mcmaster.ca)



New Research Opportunities (ROADS)



NSERC Discovery Grants Program

- Supports ongoing programs of research (with long-term goals) rather than a single short-term project or collection of projects; assists in:
 - promoting and maintaining a diversified base of high-quality research capability in the natural sciences and engineering in Canadian universities;
 - fostering research excellence; and
 - providing a stimulating environment for research training.
- Considered 'grants in aid' of research as it provides long term operating funds to support the costs of a research program.
- Awarded for one to five years, the normal duration being five years.
- Deadline: Mandatory NOI August 1st; full application November 1st
- **ROADS contact:** Nathan Coschi, coschimn@mcmaster.ca



NSERC Research Tools and Instruments (RTI)

- RTI Grants are one-year awards of up to \$150,000, meant for purchase or fabrication of research equipment with a net cost between \$7,001 and \$250,000
- To be eligible, applicants and co-applicants must each currently hold, or be applying for, an NSERC research grant at the time of application.
- A researcher is only allowed to be PI/coPI on **one** application
- Full application deadline: October 25th
- **ROADS contact:** Nathan Coschi, coschimn@mcmaster.ca



Ontario Early Researcher Award (ERA) Program

- Funding to new researchers to build a research team.
- Maximum award of \$100,000 ; matched by an additional \$50,000 from the researcher's Faculty/Department over five years
- Eligibility: full-time faculty who started academic research career no later than 5 years ago (July 1, 2013) and completed first PhD, DVM or MD no more than 10 years ago (as of July 1, 2008 for Round 14 - 2018)
- **ROADS contact:** Pam McIntyre mcintyp@mcmaster.ca



Canada Foundation for Innovation (CFI) John Evans Leaders Fund (JELF)

- Allows individual researchers or a small group of up to three investigators to acquire, develop, or lease research infrastructure
- Provides funding to a maximum of 40% of the total eligible costs
 - Ontario Ministry of Innovation and Science - 40%.
 - in-kind or cash contributions from vendors, the university or other eligible partners - 20%
- Competitions - February, June and October of each year
- **ROADS contact:** Pam McIntyre mcintyp@mcmaster.ca



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:** Virginia Viscardi, viscarvl@mcmaster.ca



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:** Virginia Viscardi,
viscarvl@mcmaster.ca



Larger Research Opportunities (ROADS)



Canada Foundation for Innovation (CFI) Large Infrastructure Fund (IF)

- CFI-IF - supports the acquisition or development of research infrastructure that enhances research capacity by forging productive partnerships within and among institutions, sectors and disciplines for the effective and sustainable use of the research infrastructure and facilities;
- Maximum allocation of CFI funding for each institution
 - internal review process usually conducted
- Competition has traditionally been held every 2-3 years
- **ROADS contact:** Pam McIntyre mcintyp@mcmaster.ca



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
- 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
 - **Fall:** Registration-August 15th, Application-September 12th, 2018
- **ROADS contact:** Virginia Viscardi, viscarvl@mcmaster.ca



NSERC/CIHR

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:** Pam McIntyre mcintyp@mcmaster.ca



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 % of the grants - dedicated to industrial stream
 - must have one or more industrial members(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:** Miky Dumitrescu, dumitrm@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
- Two-stage application: Preliminary & Invited full proposals
- **ROADS Contact:** Miky Dumitrescu, dumitrm@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
- **Two-stage application:** Mandatory NOI & Full Application
- **ROADS contact:** Pam McIntyre mcintyp@mcmaster.ca



Networks of Centres of Excellence (NCE)

- Supports large-scale academically-led research networks
- Networks - multidisciplinary and involve 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
- **ROADS contact:** Pam McIntyre mcintyp@mcmaster.ca



Contact Us

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