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- **Bill & Melinda Gates Foundation, Grand Challenges, Ending the Pandemic Threat: Universal Influenza Vaccine Development Grand Challenge** – Application deadline June 22, 2018
• Department of Defense, Congressionally Directed Medical Research Programs: FY18 Multiple Sclerosis Research Program (MSRP): Grants – Pre-application deadline June 26, 2018

• Department of Defense, Congressionally Directed Medical Research Programs: FY18 Lung Cancer Research Program (LCRP): Grants – Pre-application deadlines June 26, July 26, September 6, 2018

• Escher Fund for Autism: Grants – Expression of Interest deadline June 30, 2018

• Department of Defense, Congressionally Directed Medical Research Programs: FY18 Gulf War Illness Research Program (GWIRP): Grants – Pre-application deadline July 13, 2018

• Canadian Blood Services: Blood Efficiency Accelerator Award Program – Application deadline July 15, 2018

• Department of Defense, Congressionally Directed Medical Research Programs: FY18 Bone Marrow Failure Research Program (BMFRP): Grant – Pre-application deadline July 16, 2018

• Weston Brain Institute, Big Ideas: Canada – Letter of Intent accepted on a rolling basis

Previously announced:

• Ontario Ministry of Research, Innovation and Science (MRIS): Early Researcher Awards, Round 14 – Notify ROADS of Intent to Apply as soon as possible, Ontario MRIS Notice of Intent deadline June 1, 2018

• Social Sciences and Humanities Research Council of Canada (SSHRC): Partnership Engage Grants – Notify ROADS of Intent to Apply by April 13, 2018; SSHRC Application deadline June 15, 2018

• Canadian Institutes of Health Research (CIHR) Operating Grant: Collaborative Health Research Projects (NSERC Partnered) – Notify ROADS of Intent to Apply by May 1, 2018; CIHR Letter of Intent deadline May 29, 2018

• Social Sciences and Humanities Research Council (SSHRC): Connection Grants – Webinars May 23, 24, 2018

• Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA): 2018-19 OMAFRA New Directions Research Program – Letter of Intent deadline May 30, 2018

• Hamilton Scleroderma Group/Scleroderma Society of Ontario (HSG/SSO) – Call for Proposals, Scholarship – (extended) Application deadline May 30, 2018

• Department of Defense, Congressionally Directed Medical Research Programs, FY18 Ovarian Cancer Research Program (OCRP): Grants – Pre-application deadlines May 30, July 25, 2018

• The Michael J. Fox Foundation: Targeted Funding Opportunities – Pre-Proposal deadline May 31, 2018
• McMaster University, McMaster Institute for Research on Aging, Labarge Centre for Mobility in Aging (LCMA): Grants – Application deadlines May 31, June 11, 2018

• Quebec Consortium for Drug Discovery (CQDM): Quantum Leap – Application deadline June 1, 2018

• ALS Canada: ALS Canada Project Grant Program 2018 – Application deadline June 8, 2018

• Department of Defense, Congressionally Directed Medical Research Programs: FY18 Peer Reviewed Medical Research Program (PRMRP): Grants – Pre-application deadlines June 12, 14, 19, 2018

• Gerda Henkel Stiftung: General Research Grants – Application deadline June 13, 2018

• Templeton World Charity Foundation: Global Innovations for Character Development – Application deadline June 15, 2018

• Department of Defense, Congressionally Directed Medical Research Programs, FY18 Amyotrophic Lateral Sclerosis Research Program (ALSRP) – Grants – Pre-application deadline June 22, 2018

• Partnership For clean competition: Research Grants, Pre-Application deadline July 1, November 1, 2018; Micro-Grants – no application deadline

• National Geographic Society: Grants – Application deadline July 10, 2018

• Hamilton Community Foundation: The Dougher Community Fund – Application deadline July 13, 2018

• World Anti-Doping Agency (WADA): 2018 Social Science Research Grant Program – Application deadline July 16, 2018

• Harry Frank Guggenheim Foundation: Research Grants – Application deadline August 1, 2018

• John Templeton Foundation: Grants – Online Funding Inquiry deadline August 31, 2018

• Institute for Catastrophic Loss Reduction (ICLR): ICLR Quick Response Program – Applications are accepted at all times.

• Shastri Indo-Canadian Institute: Grants – Applications are open submissions

• Weston Brain Institute, Early Phase Clinical Trials: Canada – Letter of Intent is accepted on a rolling basis.

• Canadian Institute for Advanced Research (CIFAR), Call for Proposals: International & Interdisciplinary Research Workshops – Open Call – Applications are accepted on a rolling basis.

• Simons Foundation, Mathematics and Physical Sciences Division: Targeted Grants in Mathematics and Physical Sciences – Letters of Intent are accepted on a rolling basis.
Grey to Green 2018 Conference, Green Infrastructure: Growing Jobs, Health & Community Resilience

The Grey to Green 2018 Conference is taking place in downtown Toronto, Chestnut Conference Centre, from May 15-16.

The conference will highlight new policy, design practices, innovative products in the green infrastructure sector and their importance in our cities.

. **May 15:** Training, Tours and Opening Plenary Keynotes  
. **May 16:** Keynotes, Concurrent Sessions Trade Show and Networking  

[https://greytogreenconference.org/](https://greytogreenconference.org/),  
**Venue:** [https://greytogreenconference.org/venue-1/](https://greytogreenconference.org/venue-1/)

[review, Green Infrastructure Week, May 13 – 19, 2018 at](https://greytogreenconference.org/giw)

CANARIE: Call for Research Data Management Software

CANARIE funds and promotes reusable research software tools and national research data management initiatives to:

. accelerate discovery;  
. provide identity management services to the academic community;  
. offer advanced networking and cloud resources to boost commercialization in Canada’s technology sector.

The objective of the Call is to support 1) the development of research data management (RDM) software tools that encourages the adoption of RDM best practices, specifically, the FAIR Principles which state that research data should be *Findable, Accessible, Interoperable and Reusable*, and 2) a strong RDM ecosystem in Canada.

Eight themes were identified as priority areas:

. Enriching (Meta)Data and Discovery  
. Federated Repositories/Interoperability  
. Domain-specific Repositories  
. Data Deposit and Curation  
. Preservation  
. Persistent IDs/Citability  
. Data Access and Analytics  
. Data Privacy and Security

The tools developed through this Call are intended to enable compliance with evolving policy guidelines and international data management standards.

[https://www.canarie.ca/rdm/funding-information-rdm-call-1/](https://www.canarie.ca/rdm/funding-information-rdm-call-1/)
Informational webinar

CANARIE is hosting an informational webinar. Participants may register for the webinar of their choice:

**May 16, 2018**, 1:00pm (ET), register: [https://canarie.zoom.us/webinar/register/WN_eXWwDz98SBaKI8GXs8aSoA](https://canarie.zoom.us/webinar/register/WN_eXWwDz98SBaKI8GXs8aSoA)

**May 17, 2018**, 1:00pm, register: [https://canarie.zoom.us/webinar/register/WN_R0lb-If7R_-fnFNXvgp89Q](https://canarie.zoom.us/webinar/register/WN_R0lb-If7R_-fnFNXvgp89Q)

**Value:**
maximum $2.7 million over 18 months
There is no limit on individual funding requests. Funding will cover only labour costs for software development and related activities.

**Application process:**
The CANARIE application deadline is **June 20, 2018**.

**ROADS contact:**
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207

**CANARIE: Canadian Research Software Conference, May 29-30, 2018, Ottawa**

CANARIE is hosting the first annual *Canadian Research Software Conference* to further build a cohesive Canadian community of research software developers, that advance the use and reuse of powerful software tools.

Academic researchers will learn, collaborate, exchange ideas and discuss common issues, with a goal of ensuring maximum impact of public funds for research through the application of state-of-the-art research software.
[https://www.canarie.ca/software/canadian-research-software-conference/](https://www.canarie.ca/software/canadian-research-software-conference/) and [https://www.canarie.ca/about-us/](https://www.canarie.ca/about-us/)

cost to attend: $150.

**Centre for Aging + Brain Health Innovation (CABHI): Researcher-Clinician Partnership Program (RCP²)— Round 3**

The objective of the $RCP^2$ is to 1) enhance the effectiveness of connecting point of care clinicians, in the senior care sector, with university-based researchers, 2) collaboratively design, test and validate innovative products, services, or health practice in the aging and brain health sector, 3) address specific themes and solutions listed below:

- *Aging in place*: solutions that enable older adults with dementia to maximize their choice, independence, and quality of life regarding where they live.
- *Caregiver support*: solutions that support caregivers (formal and informal) in providing care to older adults with dementia.
Care coordination and navigation: solutions that help older adults, caregivers, and healthcare providers coordinate care and transitions for older adults with dementia.

Cognitive health: solutions focused on health promotion, prevention, early diagnostics and slowing the progression of cognitive impairment in aging adults.


Value: 
maximum $500,000 per project over a maximum 15 months

Application process:
The CABHI application and letter of support deadline is May 18, 2018.

Contact: 
Carmen Carrasquilla, Business Development Officer, Life Sciences, McMaster Industry Liaison Office, at carrasc@mcmaster.ca or extension 21088

Natural Sciences and Engineering Research Council of Canada (NSERC): Discovery Grants

1) The objective of the Discovery Grant is to:

- support creative, innovative, ongoing programs of research with long-term goals;
- promote and maintain a diversified base of high-quality research capability in the natural sciences and engineering in Canadian universities;
- foster research excellence; and
- provide a stimulating environment for research training.

Applicants to the Discovery Grants Program must apply with a program of research that is eligible under NSERC’s mandate (i.e., to promote and assist research in the natural sciences and engineering, other than health). review Addendum to the guidelines for the eligibility of applications related to health, at http://www.nserc-crsng.gc.ca/NSERC-CRSNG/policies-politiques/Addendum-Addenda_eng.asp

http://nserc.ca/Professors-Professeurs/Grants-Subs/DGIGP-PSIGP_eng.asp

Webinars and Information Session

NSERC will host Discovery Grants webinars on the following dates:
Dates, time, link: May 22, June 19, July 12, 2018, 1:00-3:00pm, https://nsercofcanada.adobeconnect.com/_a1139318731/complete-application/

ROADS will host an interactive information session featuring Michelle Payne, Program Officer for the Discovery Grant Program for Mathematics and Statistics. Discovery Grant Evaluation Group members from McMaster will share their experiences with the grant review process, and offer guidance to potential applicants.
Date, time, location: June 5, 2018, 2:00-4:00pm, MDCL 3020
Register: https://www.eventbrite.ca/e/nserc-discovery-grants-information-session-registration-45914526585
Applicants submit a budget. Discovery Grants are normally awarded for 5 years.

Application process:
Applicants must submit a draft of the Notification of Intent to Apply to ROADS by July 18, 2018. The NSERC notification of intent deadline is August 1, 2018.

2) NSERC Subatomic Physics Discovery Grant (SAP-DG) – 2019 Competition

The objective of the SAP-DG Program is to assist 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.

There are two types of SAP-DG: Individual and Project review http://nserc.gc.ca/Professors-Professeurs/Grants-Subs/SPDG-SDPS_eng.asp

Literature specific to all Subatomic Physics Programs (Discovery, Major Resources Support (SAP-MRS), and Category 2 or 3 Research Tools and Instruments (SAP-RTI) is available on the NSERC website. Program descriptions are available in the Grants Programs Overview section of NSERC’s Program Guide for Professors. Instructions regarding application procedures are available in the Instructions section of the Research Portal.

Value:
Applicants submit a budget.
Individual: maximum 5 years
Project: maximum 3 years

Application process:
The NSERC SAP notification of intent (NOI) deadline is August 1, 2018 for SAP-DG, SAP-MRS, and Category 2 or 3 SAP-RTI grant applications.

The SAP NOI is mandatory. Researchers who do not submit a SAP NOI cannot submit a full application in the Fall.

ROADS contact:
Nathan Coschi, Senior Advisor, at coschimn@mcmaster.ca or extension 21581

Alex’s Lemonade Stand Foundation for Childhood Cancer: Grants

The Alex’s Lemonade Stand has recently announced the following funding opportunities:

1) 2018 Psychosocial Launch Grant, the objective: to support early career researchers within 7 years of receiving their terminal degree/completing formal training. The funding will support studies that aim to explain and/or improve psychosocial outcomes of those affected by childhood cancer. Demonstration of outstanding
mentorship and a career plan that shows commitment to pediatric cancer investigation, are important components of a successful application.

**Value:** maximum $50,000 per year for 2 years;

2) **2018 Psychosocial Family Impact Grant**, the objective: to support established investigators. This grant is designed to fund researchers who have novel approaches to understanding the psychosocial aspects of pediatric cancer, and whose proposals will have clinically significant impact.

**Value:** maximum $100,000 per year for 3 years;

announcement website, https://www.alexslemonade.org/grants/guidelines

**Application process:**
The Alex’s Lemonade Stand Foundation letter of intent deadline is **June 11, 2018**.

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

**Mitacs: Globalink Research Internship**

The objective of the **Globalink Research Internship** is to invite international undergraduates from Australia, Brazil, China, France, India, Germany, Mexico, Saudi Arabia, Tunisia, and Ukraine to participate in research projects under the supervision of Canadian university faculty members, in all academic disciplines (i.e., science, engineering and mathematics, humanities and social sciences).

https://www.mitacs.ca/en/programs/globalink/globalink-research-internship

**Value:**
There is no financial commitment required from the supervising professors. Globalink Research Interns receive, free of charge:

- a matched project with a Canadian professor and university based on their research interests, skills, and expertise;
- flight to Canada;
- transportation from the airport in Canada to accommodations;
- stipend for housing;
- health insurance;
- stipend towards student enrollment fees;
- stipend for food and incidentals;
- support from student mentors on campus;
- registration for industry events and professional development workshops;
- Globalink Research Internship certificate of completion.

The interns are required to work 40 hours a week, five days a week, for 12 consecutive weeks from May to September, 2019.

**Application process:**
The Mitacs deadline for professors to submit research projects is **June 13, 2018**.
Weston Brain Institute: Grants

The Weston Brain Institute has recently announced the following funding opportunities:

1) **Rapid Response: Canada 2019**, the objective: to provide seed funding to support novel, high-risk, high-reward translational research projects on neurodegenerative diseases of aging.

Focus, **Parkinson’s and Related Diseases**: Parkinson’s disease; Progressive supranuclear palsy; Dementia with Lewy bodies; Multiple system atrophy; prodromes; Vascular contributions.

All projects must involve the development of a therapeutic, and/or tool to help accelerate the development of therapeutics for neurodegenerative diseases of aging. Preliminary data is not required.

**Value**: maximum $200,000 per project over a maximum 18 months; [http://westonbraininstitute.ca/rapid-response-canada-2019/](http://westonbraininstitute.ca/rapid-response-canada-2019/)

The Rapid Response program will have multiple calls per year, alternating between two different disease groups: PD-related diseases; Alzheimer disease (AD) -related diseases (to launch **September 14, 2018**).

2) **Transformational Research: Canada 2019**, the objective: to fund transformative, novel, high-risk, high-reward translational research projects on neurodegenerative diseases of aging, with excellent preliminary data.

Focus, **Parkinson’s and Related Diseases**: Parkinson’s disease; Progressive supranuclear palsy; Dementia with Lewy bodies; Multiple system atrophy; prodromes; Vascular contributions.

All projects must involve the development of a therapeutic and/or tool, and/or complementary approaches to accelerate the development of therapeutics for neurodegenerative diseases of aging.

**Value**: maximum $1,500,000 per project over a maximum 3 years; [http://westonbraininstitute.ca/transformational-research-canada-2019/](http://westonbraininstitute.ca/transformational-research-canada-2019/)

The Transformational Research program will have multiple calls per year, alternating between two different disease groups: PD-related diseases; Alzheimer disease (AD) -related diseases (to launch **September 14, 2018**).

**Information Webinar**
**June 14, 2018**, 1:00-2:00pm EDT

**Application process:**
The Weston Brain Institute letter of intent deadline is **August 1, 2018**.

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519
Simons Foundation, Simons Foundation Autism Research Initiative (SFARI): Explorer Awards

The objective of the SFARI Explorer Award is to:

- support innovative, bold, rigorous autism research;
- support exploratory experiments;
- deepen our understanding of the mechanisms underlying autism spectrum disorders, or potential therapeutic approaches;
- support studies focused on gene discovery, molecular mechanisms, circuits, anatomy, cognition and behavior;
- strengthen hypotheses;
- apply to competitive applications for subsequent larger-scale funding by SFARI, or other organizations.

Applications from investigators who are new to the field of autism, but who have expertise that could be brought to bear on this complex disorder, are encouraged.

https://www.sfari.org/grant/explorer-awards-rfa/

Value: maximum $80,000 including indirect costs for 1 year

Application process: The SFARI application deadline is June 15, 2018. This is the final call for applications for this award.

ROADS contact: Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207

Department of Defense (DoD), Congressionally Directed Medical Research Programs: FY18 Peer Reviewed Cancer Research Program (PRCRP): Grants

The DoD has recently announced the following PRCRP funding opportunities:

1) Impact Award, the objective: to support hypothesis-driven, high-impact research. The PRCRP seeks to build foundations for finding cures in under-funded, under-studied, and/or lethal militarily relevant cancer areas. Important factors under consideration will be continuity of research, clinical applicability, leveraging of clinical samples and trials. review Topic and Military Relevance Focus Areas, pages 3-4 at http://cdmrp.army.mil/funding/pa/FY18-PRCRP-IPA.pdf

Value: maximum $1,000,000 over 3 years
Application process: The DoD pre-application deadline is June 20, 2018.

2) Idea Award with Special Focus, the objective: to support innovative, untested, high-risk/potentially high-reward concepts, theories, paradigms, and/or methods in cancer research that are relevant to active duty Service

Value: maximum $400,000 over 2 years
Application process: The DoD pre-application deadline is June 20, 2018.

3) Translational Team Science Award, the objective: to support hypothesis-driven translational studies. The studies should be associated with a clinical trial and/or existing annotated biorepositories. The proposed project should focus on research for the next-phase clinical trial, or future clinical application.
review Topic and Military Relevance Focus Areas pages 3-4 at http://cdmrp.army.mil/funding/pa/FY18-PRCRP-TTSA.pdf

Value: maximum $1,000,000 over 4 years
Application process: The DoD pre-application deadline is June 20, 2018.

4) Career Development Award, the objective: to support independent, early-career investigators to conduct impactful research with 1) the guidance of an experienced cancer researcher, 2) an emphasis on discovery.
review Topic and Military Relevance Focus Areas pages 3-4 at http://cdmrp.army.mil/funding/pa/FY18-PRCRP-CDA.pdf

Value: maximum $360,000 over 3 years
Application process: The DoD pre-application deadline is August 28, 2018. The application deadline is September 26, 2018.

announcement website: http://cdmrp.army.mil/funding/prcrp

ROADS contact:
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

Bill & Melinda Gates Foundation, Grand Challenges, Ending the Pandemic Threat:
Universal Influenza Vaccine Development Grand Challenge

The objective of this Grand Challenge is to identify novel, transformative concepts that will lead to development of universal influenza vaccines that 1) offer protection from morbidity and mortality caused by all subtypes of circulating and emerging (drifted and shifted) Influenza A subtype viruses, and Influenza B lineage viruses, for at least three to five years, and 2) address the threat from both seasonal and pandemic influenza.

The Foundation seeks to fund
ideas that are bold and innovative that bring novel approaches into products ready for human clinical trials;
interdisciplinary collaboration and cross-fertilization of ideas from outside the traditional influenza research community.
**Value:**
*Pilot Awards*, $250,000 up to $2 million USD over 2 years

**Application process:**
The Bill & Melinda Gates Foundation application deadline is **June 22, 2018.**

**ROADS contact:**
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207

**Department of Defense (DoD), Congressionally Directed Medical Research Programs: FY18 Multiple Sclerosis Research Program (MSRP): Grants**
The DoD has recently announced the following MSRP funding opportunities:

1) **Investigator Initiated Research Award**, the objective: to support highly rigorous, high-impact research projects that have the potential to make an important contribution to MS research and/or patient care. The rationale for a research idea may be derived from laboratory discovery, clinical trial results, population-based studies, a clinician’s firsthand knowledge of patients, or anecdotal data. Research projects may focus on any phase of research, excluding clinical trials.  
review **Focus Areas**, pages 3-4 at http://cdmrp.army.mil/funding/pa/FY18-MSRP-IIRA.pdf  
Value: maximum $600,000 over 3 years

2) **Exploration-Hypothesis Development Award**, the objective: to support the initial exploration of innovative, high-risk, high-gain, and potentially groundbreaking concepts in the MS research field. The proposed project should include a well-formulated, testable hypothesis based on strong scientific rationale and study design.  
review **Focus Areas**, pages 3-4 at http://cdmrp.army.mil/funding/pa/FY18-MSRP-EHDA.pdf  
Value: maximum $150,000 over 2 years

announcement website: http://cdmrp.army.mil/funding/msrp

**Application process:**
The DoD pre-application deadline is **June 26, 2018.**

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

**Department of Defense (DoD), Congressionally Directed Medical Research Programs: FY18 Lung Cancer Research Program (LCRP): Grants**
The DoD has recently announced the following LCRP funding opportunities:

1) **Idea Development Award**, the objective: to promote new ideas that are still in the early stages of development and have the potential to yield impactful data, and new avenues of investigation. The award
supports conceptually innovative, high-risk/high-reward research that could lead to critical discoveries, or major advancements, that will accelerate progress toward eradicating deaths and suffering from lung cancer.

The award encourages applications from independent investigators in the early stages of their careers (i.e., within 10 years of their first faculty appointment, or equivalent). Submissions from and partnerships with investigators at DoD military treatment facilities and laboratories, and Department of Veterans Affairs medical centers and research laboratories, are strongly encouraged.


**Value**: maximum $350,000 over 2 years  
**Application process**: The DoD pre-application deadline is **June 26, 2018**.

2) **Investigator Initiated Translational Research Award**, the objective: to support translational research that will develop promising ideas in lung cancer into clinical applications. Translational research may be defined as an integration of basic science and clinical observations. Observations that drive a research idea may originate from a laboratory discovery, population-based studies, or a clinician’s firsthand knowledge of patient care.

review *Areas of Emphasis*, pages 3-4 and review a *broad range of translational studies* page 4 at http://cdmrp.army.mil/funding/pa/FY18-LCRP-IITRA.pdf

**Value**: maximum $400,000 over 2 years  
**Application process**: The DoD pre-application deadline is **June 26, 2018**.

3) **Translational Research Partnership Award**, the objective: to support partnerships between clinicians and research scientists, that will accelerate the movement of promising ideas in lung cancer into clinical applications. In addition, one partner in the collaboration is *strongly encouraged* to be an active duty Service member or Federal employee from a DoD military treatment facility or laboratory, or a Department of Veterans Affairs medical center or research laboratory.

review *Areas of Emphasis*, pages 3-4 and review a *broad range of translational studies* page 4 at http://cdmrp.army.mil/funding/pa/FY18-LCRP-TRPA.pdf

**Value**: maximum $900,000 over 3 years  
**Application process**: The DoD pre-application deadline is **June 26, 2018**.

4) **Concept Award**, the objective: to support the exploration of a highly innovative, new concept, or untested theory that addresses an important problem relevant to lung cancer.


Investigators are *strongly encouraged* to consider the following characteristics as examples of how a project may demonstrate military relevance, review page 4 at http://cdmrp.army.mil/funding/pa/FY18-LCRP-CA.pdf

**Value**: maximum $100,000 over 1 year  
**Application process**: The DoD pre-application deadline is **July 26, 2018**. The application deadline is **August 9, 2018**.

5) **Career Development Award**, the objective: to support early-career, independent investigators to conduct impactful research under the mentorship of an experienced lung cancer researcher.


Investigators are strongly encouraged to consider the following characteristics as examples of how a project may demonstrate military relevance, review page 5 at http://cdmrp.army.mil/funding/pa/FY18-LCRP-CDA.pdf This award is intended to support impactful research projects with an emphasis on discovery.

**Value:** maximum $250,000 over 2 years  
**Application process:** The DoD pre-application deadline is **September 6, 2018.** The application deadline is **September 26, 2018.**


**ROADS contact:**
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

**Escher Fund for Autism: Grants**

The Escher Fund for Autism promotes science education and research projects in non-genetic inheritance to examine how toxicants such as drug, smoking, and chemical exposures can disrupt germline on a molecular level, and increase risk for neurodevelopmental disorders in offspring.

The Escher Fund for Autism has recently announced two Requests for Proposals (RFP):

1) **Examining molecular impacts of drug exposures on developing germline, and implications for nongenetic inheritance**, the objective: to support projects that directly focus on early (primordial germ cell in embryo through neonatal period) germline molecular impacts of high and sustained dose pregnancy drugs.

2) **Intensive investigation of multi-hit families affected by autism and related neurodevelopmental disorders**, the objective: to support intensive investigation into exposure histories and characteristics of “multi-hit families” with three or more children (including half-siblings) affected by autism and related disorders.

The related disorders include but are not limited to attention deficit hyperactivity disorder, Aspergers, learning disabilities and intellectual disability, social-communication impairments, speech and language impairments, oppositional defiant disorder, intermittent explosive disorder, mood disorders, anxiety, depression, schizophrenia spectrum and psychotic disorders.

[http://www.germlineexposures.org/grants.html](http://www.germlineexposures.org/grants.html)

**Value:** maximum 25,000

**Application process:**
The Escher Fund for Autism expression of interest deadline is **June 30, 2018.**

**ROADS contact:**
Nathan Coschi, Senior Advisor, at coschimn@mcmaster.ca or extension 21581
Department of Defense (DoD), Congressionally Directed Medical Research Programs: FY18 Gulf War Illness Research Program (GWIRP): Grants

The DoD has recently announced the following GWIRP funding opportunities:

1) **Investigator Initiated Focused Research Award (IIFRA)**, the objective: to promote new ideas, support research, or continued development of applied research in GWI that is aimed at diagnosis, or therapeutic advancement. Applications must articulate the pathway to making a clinical impact for Veterans with GWI, even if a clinical impact is not an immediate outcome. All applications must focus on Veterans of the 1990-1991 Gulf War affected by GWI. Review **Topics of Special Interest**, page 4 at [http://cdmrp.army.mil/funding/pa/FY18-GWIRP-IIFRA.pdf](http://cdmrp.army.mil/funding/pa/FY18-GWIRP-IIFRA.pdf)

In FY2017, the GWIRP awarded infrastructure support for a GWI Biorepository. The “**Boston Biorepository, Recruitment, and Integrative Network for GWI**” has now been established for the retention and distribution of biospecimens and/or data related to GWI research. Applicants to the FY18 GWIRP are encouraged to contribute biospecimens and data to this repository network.

The GWIRP, IIFRA offers a nested **Biorepository Contribution Option** with higher levels of funding for qualified applications.

**Value:**
- **Discovery**, maximum $250,000 over 2 years; **Discovery with Biorepository Contribution Option**: $266,000
- **Applied Research**, maximum $700,000 over 3 years; **Applied Research with Biorepository Contribution Option**: $716,000

2) **Qualitative Research Award**, the objective: to support qualitative research studies that seek to understand the experiences, perceptions, barriers, and beliefs of Veterans suffering from GWI and those responsible for their care. All applications must focus on Veterans of the 1990-1991 Gulf War affected by GWI.

Observations that drive a research idea may be derived from basic discovery, population-based studies, a clinician’s firsthand knowledge of patients, or anecdotal data. Review **qualitative research topics and outcomes/educational materials, page 4** at [http://cdmrp.army.mil/funding/pa/FY18-GWIRP-QRA.pdf](http://cdmrp.army.mil/funding/pa/FY18-GWIRP-QRA.pdf)

**Value:** maximum $450,000 over 3 years

**announcement site:** [http://cdmrp.army.mil/funding/gwirp](http://cdmrp.army.mil/funding/gwirp)

**Application process:**
The DoD pre-application deadline is **July 13, 2018**.

**ROADS contact:**
Miky (Mihaela) Dumitrescu, Senior Advisor, at dumitrm@mcmaster.ca or extension 21548
Canadian Blood Services: Blood Efficiency Accelerator Award Program

The objective of the Blood Efficiency Accelerator Award Program is to 1) improve the efficient and appropriate utilization of blood products while maintaining the safety of the blood system, 2) support innovative research projects that seek new knowledge, or accelerate the application of existing knowledge.

A blood product is defined as a therapeutic product derived from the donation of blood or blood components and includes red blood cell and platelet concentrates, plasma and plasma derivatives (including plasma protein products), and hematopoietic stem cells (including those derived from cord blood).

Team composition: All project teams require at least one Canadian Blood Services employee. Applicants are encouraged to contact centreforinnovation@blood.ca if help is needed to identify a Canadian Blood Services project team member.

Value: maximum $30,000 for 1 year

The funds may be used for trainee stipends, research staff salaries (e.g., research assistants, technicians, etc.), consultant and services fees, expendable materials and supplies, the purchase and maintenance of experimental animals, project team collaborative and networking activities (e.g., team meetings, conference calls, travel), and knowledge dissemination activities (e.g., publication costs). The purchase of small items of equipment is permissible, however, the maximum that can be spent on equipment is $8,500 (exclusive of applicable taxes).

Application process:
The Canadian Blood Services application deadline is July 15, 2018.

ROADS contact:
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

Department of Defense (DoD), Congressionally Directed Medical Research Programs: FY18 Bone Marrow Failure Research Program (BMFRP): Grant

The DoD has recently announced the following BMFRP funding opportunity:

Idea Development Award, the objective: to fund scientifically meritorious research focused on BMF diseases. Investigator-initiated research is encouraged in the areas of congenital or acquired BMF.

Studies focused on BMF diseases and their progressions to other malignancies such as leukemia, are acceptable. Research primarily focused on myeloproliferative neoplasms, leukemia, or other malignancies is discouraged. Stem cell biology studies and translational projects including bone marrow transplantation studies should be clearly related to BMF diseases.
The award is designed to support new ideas. Proposed research studies should have a high probability of revealing new avenues of investigation.


**Value:**
maximum $325,000 over 2 years

**Application process:**
The DoD pre-application deadline is **July 16, 2018.**

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

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**Weston Brain Institute, Big Ideas: Canada**

The objective of the **Big Ideas: Canada** is to support a large-scale, pivotal project, that will have a significant and sustained impact on accelerating translational research on the development of therapeutics for neurodegenerative diseases of aging.

The Institute defines neurodegenerative diseases of aging to include:

- Alzheimer’s disease
- Dementia with Lewy bodies
- Frontotemporal dementia
- Multiple system atrophy
- Parkinson’s disease
- Progressive supranuclear palsy
- Vascular contributions to the above diseases (not stroke-mediated vascular disease)
- Prodromes to the above diseases, including: a) mild cognitive impairment as prodromal to Alzheimer’s disease, b) REM sleep behaviour disorder as prodromal to Parkinson’s disease.

http://westonbraininstitute.ca/funding-opportunities/big-ideas-canada/

**Value:**
$5,000,000 to $20,000,000 over 5 years

Applicants must identify the total cost of the project, split by year, and major category of expense.

**Application process:**
The Weston Brain Institute Letter of Intent is due **now.** The Letter of Intent is accepted on a rolling basis.

**ROADS contact:**
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
Previously announced:

Ontario Ministry of Research, Innovation and Science (MRIS): Early Researcher Awards (ERA), Round 14

The objective of the ERA is to assist promising, recently-appointed, Ontario researchers to build their research teams of undergraduates, graduate students, post-doctoral fellows, research assistants, associates and technicians.

The ERA program encourages applications from all disciplines. The program opens on a competitive basis to researchers who 1) are full-time faculty or principal investigators, 2) have started their first independent academic appointment on or after July 1, 2013, 3) have obtained their first PhD/MD/DVM or terminal degree on or after July 1, 2008.

Applicants must:

- have a strong history of peer-reviewed funding;
- be able to demonstrate academic independence from previous supervisors;
- address the benefits of their proposed research to Ontario.

review Eligibility at https://www.ontario.ca/page/early-researcher-awards#section-1

Applications are evaluated on the excellence of the researcher, the quality of the research, the development of research talent, and the strategic value for Ontario.

Matching funds are required for this program, therefore, it is advised that applicants meet with their Department Chair and Associate Dean Research to review their CV, and secure matching funds.

https://www.ontario.ca/page/early-researcher-awards

Value:
maximum $100,000 (for direct costs) over 5 years, in addition, maximum $40,000 (for indirect costs)

The funds may be used for salaries, benefits, research-related travel and expenses for undergraduates, graduate students, post-doctoral fellows, research assistants, associates and technicians.

The award of $100,000 must be matched by an additional $50,000 in cash from the researcher’s institution and/or a private, or public sector partner.

Eligible sources of matching funds include:

- cash contributions from the researcher’s Department or Faculty;
- university scholarships to undergraduates, graduate students and post-doctoral fellows;
- private sector cash contributions;
- public sector cash contributions that are not among the list of ineligible sources of matching funds.
Application process:
Notify your Department Chair, Associate Dean Research, and ROADS of intent to apply as soon as possible. The draft Notice of Intent (NOI) and signed matching funds letter are due to ROADS by May 29, 2018. The Ontario MRIS NOI deadline is June 1, 2018.

ROADS contact:
Pamela McIntyre, Assistant Director, Development at mcintyp@mcmaster.ca or extension 23713

Social Sciences and Humanities Research Council of Canada (SSHRC): Partnership Engage Grants

The objective of the Partnership Engage Grant is to 1) provide short-term, timely support for partnered research activities that will inform decision-making at a single partner organization from the public, private, or not-for-profit sector, 2) respond to immediate needs and time constraints facing small-scale, stakeholder-driven partnerships/organizations in non-academic sectors, 3) respond to the objectives of the Insight program and the Connection program.

Proposals may involve any disciplines, thematic areas, approaches, or subject areas eligible for SSHRC funding. review Subject Matter Eligibility at http://www.sshrc-crsh.gc.ca/funding-financement/apply-demande/background-renseignements/selecting_agency-choisir_organisme_subventionnaire-eng.aspx

SSHRC welcomes applications involving Aboriginal research, as well as those involving research-creation.


Value:
$7,000 - $25,000 over 1 year

Application Process:
Notify ROADS of intent to apply by April 13, 2018.

The initial draft of the Application and letters of support are due to ROADS by May 23, 2018. The final draft, and a completed and signed Application Approval Form are due to ROADS by June 7, 2018.

The SSHRC application deadline is June 15, 2018.

ROADS contact:
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
Canadian Institutes of Health Research (CIHR) Operating Grant: Collaborative Health Research Projects (CHRP) (NSERC Partnered)

The objective of the CHRP Initiative is to support interdisciplinary, collaborative research projects requiring participation from the natural sciences or engineering community, together with the health sciences community. Proposed research projects must be innovative with a strong focus on knowledge translation and lead to 1) health and economic benefits for Canadians, 2) more effective health services and products, and/or 3) a strengthened health care system.

All applicant teams must:

- include at least one science or engineering researcher, and at least one health sciences researcher;
- include trainees (the number of trainees should be commensurate with the size of the project); and
- engage and collaborate with a knowledge/technology user organization that could benefit from the research results.

Special Call, Artificial intelligence (AI): Health and Society (supported by CIHR, NSERC and SSHRC)

Successful projects will bring together researchers from natural sciences and engineering, health sciences, social sciences and humanities to 1) collaborate on innovative AI research applied to health, 2) investigate ethical, legal and/or societal impacts associated with the development, scale and spread of AI in the health sector.

Part of this special call may support applications that are, in addition to the above, relevant to the following areas identified by CIHR institutes:

- To be considered relevant for CIHR-Institute of Aging (CIHR-IA) funding, applications must align with its mandate.
- To be considered relevant for CIHR-Institute of Cancer Research (CIHR-ICR) funding, applications must employ AI using medical and non-medical data sets to improve cancer diagnosis and treatment.
- To be considered relevant for CIHR-Institute of Human Development, Child and Youth Health (CIHR-IHDCYH) funding, applications must align with its mandate. Teams are encouraged to include at least one Early Career Investigator as an applicant.
- To be considered relevant for CIHR-Institute of Neurosciences, Mental Health and Addiction (CIHR-INMHA) funding, applications must align with its mandate.
- To be considered relevant for CIHR-Institute of Nutrition, Metabolism and Diabetes (CIHR-INMD) funding, applications must be specifically in the areas of diabetes, gastroenterology, chronic liver and kidney disease.
- To be considered relevant for CIHR-Institute of Population & Public Health (CIHR-IPPH) funding, applications must develop or apply AI approaches to answer population and public health issues that are aligned with the mandate of the Institute.

https://www.researchnet-recherchenet.ca/rnr16/vwOpprntyDtls.do?prog=2855&view=currentOpps&type=EXACT&resultCount=25&sort=program&next=1&all=1&masterList=true
Value:
The total amount available for this funding opportunity is $24.875 million. This amount may increase if additional funding partners participate.

Of the $24.875 million, up to $5.975 million may be available from CIHR, NSERC and SSHRC to fund applications relevant to the special call, *Artificial Intelligence: Health and Society*. This amount may increase if additional funding partners participate.

There is no maximum amount that can be requested. The maximum duration of support is 3 years.

Application process:
Notify ROADS of intent to apply by **May 1, 2018**. ROADS letter of intent draft deadline is **May 15, 2018**. The CIHR letter of intent deadline is **May 29, 2018**.

ROADS contact:
Virginia Viscardi, Senior Advisor, at viscargvl@mcmaster.ca or extension 24519

Social Sciences and Humanities Research Council (SSHRC): Connection Grants


Webinar participants will have the opportunity to submit written questions via the webinar interface at any point during the presentations. No registration is required.

**Webinar schedule**

**English:**  **May 23, 2018;** 1:00-3:00pm (eastern)
Link: [https://sshrc-crsh.adobeconnect.com/rvgw186apt8h/](https://sshrc-crsh.adobeconnect.com/rvgw186apt8h/)

**French:**  **May 24, 2018;** 1:00-3:00pm (eastern)
Link: [https://sshrc-crsh.adobeconnect.com/r8paf1cdd92d/](https://sshrc-crsh.adobeconnect.com/r8paf1cdd92d/)

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ROADS contact:
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA): 2018-19 OMAFRA New Directions Research Program

The objective of the New Directions Research Program is to 1) support research that stimulates the sustainable growth and competitiveness of Ontario's agri-food, agri-business and rural sectors, 2) develop new and alternative products that have the potential to increase the diversification of agriculture, 3) address challenges, 4) support thriving rural communities, 5) expand market opportunities at home and abroad.

Research Priority Areas:
- Innovation for Ontario's Agricultural Systems and Soils to Reduce Phosphorus Loss
- Sustainable Livestock Production Using Precision Technologies to Support Compliance and Assurance Systems
- Disruptive Technologies

http://www.omafra.gov.on.ca/english/research/new_directions/ndresearchprogram.html

Value:
maximum per project $200,000 (includes a maximum 25% indirect costs) for 3 years

Application process:
The OMAFRA letter of intent deadline is May 30, 2018.

ROADS contact:
Nathan Coschi, Senior Advisor, at coschimn@mcmaster.ca or extension 21581

Hamilton Scleroderma Group/Scleroderma Society of Ontario (HSG/SSO) – Call for Proposals, Scholarship

The objective of this Scholarship is to support research in systemic sclerosis and to “seed fund” projects to gather suitable preliminary data to be competitive in larger grants.

Faculty at McMaster University are eligible to apply.

Each application will be reviewed on the following criteria:
- training and mentorship;
- scientific merit and relevance to systemic sclerosis;
- applicant’s credentials as related to the project;
- appropriateness and feasibility of the project;
- appropriateness of budget;
- plan for knowledge translation.

The proposed start dates are determined by the applicant.

The awardee, beneficiary (or delegate) is expected to attend HSG meetings and to present data from the funded study. The awardee is encouraged to submit a poster or oral presentation of their work to a local, national or international conference.
Value:
maximum $25,000 per scholarship for student salary or laboratory costs for 1 year
Salary support of faculty and purchase of equipment are non-eligible expenses.

Application process:
The HSG/SSO extended application deadline is **May 30, 2018** at 5:00pm.
Successful applicants will be notified by June 30, 2018.

Contact:
Andrea Gardner, RN, Scleroderma Research Coordinator, HSG and Pulmonary Hypertension Nurse Coordinator, Firestone Institute for Respiratory Health, at gardnera@stjosham.on.ca, (905) 522-1155 extension 33626. Contact Andrea for Scholarship details and the Application.

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**Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY18 Ovarian Cancer Research Program (OCRP): Grants**

The DoD OCRP has recently announced the following funding opportunities:

1) **Investigator-Initiated Research Award**, the objective: to support high-impact research that has the potential to make an important contribution to ovarian cancer, or patient/survivor care. Research projects may focus on any phase of research from basic laboratory research through translational research, excluding clinical trials. Applications must include preliminary data.
   
   **Value**: maximum $450,000 over 3 years
   **Application process**: The DoD pre-application deadline is **May 30, 2018**.

2) **Pilot Award**, the objective: to support the exploration of innovative concepts or theories in ovarian cancer, that could ultimately lead to critical discoveries, or major advancements that will drive the field forward. The proposed research must demonstrate a clear focus on ovarian cancer (e.g., using tissues, cell lines, datasets, or appropriate animal models).
   
   **Value**: maximum $250,000 over 2 years
   **Application process**: The DoD pre-application deadline is **May 30, 2018**.

3) **Clinical Development Award**, the objective: to support the translation of promising preclinical findings into products for clinical applications including prevention, detection, diagnosis, treatment, or quality of life. Near-term clinical impact is expected. Proof of concept demonstrating the potential utility of the proposed product, or a prototype/preliminary version of the proposed product should already be established.
Value: maximum $600,000; **Optional Nested Early-Career Investigator** an additional $200,000 over 3 years

**Application process:** The DoD pre-application deadline is **July 25, 2018**. The application deadline is **August 8, 2018**.

4) **Omics Consortium Development Award**, the objective: to support a multi-institutional research effort conducted by leading ovarian cancer researchers and consumer advocates, that specifically focuses on the compilation of new and/or use of existing, large datasets to study the origin of ovarian cancer disease, with an emphasis on early detection and screening.

The research team must include 1) at least one Early-Career Investigator who is within 5 years of his/her last postdoctoral research position (Ph.D.), clinical fellowship (M.D.), or equivalent, 2) at least one ovarian cancer consumer advocate, and 3) at least one Epidemiologist/Public Health Expert. [http://cdmrp.army.mil/funding/pa/FY18-OCRPOMCDA.pdf](http://cdmrp.army.mil/funding/pa/FY18-OCRPOMCDA.pdf)

Value: maximum $400,000 over 2 years

**Application process:** The DoD pre-application deadline is **July 25, 2018**. The application deadline is **August 8, 2018**.

5) **Ovarian Cancer Academy Award – Early-Career Investigator**, the objective: to solicit additional Early-Career Investigators to join the existing Academy. This award enables the Early-Career Investigator (the Principal Investigator) to pursue an ovarian cancer project that may be basic, translational, and/or clinical research (and, **new** for FY18, clinical trials), under the guidance of a Designated Mentor. The Designated Mentor is not required to be at the same institution as the Early-Career Investigator. review Eligibility page 7 at [http://cdmrp.army.mil/funding/pa/FY18-OCRPOCA.pdf](http://cdmrp.army.mil/funding/pa/FY18-OCRPOCA.pdf)

Value: maximum $725,000 over 4 years; Designated Mentor, $30,000 per year

**Application process:** The DoD pre-application deadline is **July 25, 2018**. The application deadline is **August 8, 2018**.

announcement site: [http://cdmrp.army.mil/funding/ocrp](http://cdmrp.army.mil/funding/ocrp)

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at viscavl@mcmaster.ca or extension 24519

**The Michael J. Fox Foundation (MJFF): Targeted Funding Opportunities**

The MJFF has recently announced the following funding programs:

1) **Alpha-synuclein Biology and Therapies**, the objective: to support projects aimed at altering intracellular alpha-synuclein in order to broaden the scope of therapeutic approaches.

focus:
. the role of alpha-synuclein and modified forms in health and disease;
. the relationship between alpha-synuclein structure and physiological functions;
. novel therapeutic approaches targeting intracellular alpha-synuclein, or related pathways.
Value: Biological Pathways & Novel Targets: maximum $150,000
Therapeutic Development: maximum $500,000
1-2 year grants
https://www.michaeljfox.org/research/grant-detail.php?id=34

2) Biomarkers of Protein Handling/Autophagy, Exosomes and Lipids, the objective: to advance biomarker assays in three highly relevant Parkinson's disease (PD) biology research areas:

- protein handling/autophagy pathways
- exosomes of neuronal origin (including assays to measure proteins, nucleic acids, lipids or metabolites)
- lipids (including absolute and relative quantification and identification of lipid series)

Value: commensurable with the study goals
1-2 year grants
https://www.michaeljfox.org/research/grant-detail.php?id=36

3) GBA Biology and Therapies, the objective: to advance the understanding of glucocerebrosidase (GBA) biology and accelerate therapeutic approaches.

focus:
- How GBA mutations lead to PD
- Mechanisms underlying GCase dysfunction in the absence of GBA mutations
- Novel therapeutic interventions to prevent pathogenic mechanisms triggered by GCase-pathway dysfunction

Value: Biological Pathways & Novel Targets: maximum $150,000
Therapeutic Development: maximum $500,000
1-2 year grants
https://www.michaeljfox.org/research/grant-detail.php?id=35

4) Non-Pharmacological Interventions for Gait and Balance Disturbances, the objective: to test non-pharmacological interventions for the treatment of gait and balance disturbances in people with PD

focus:
- assistive devices (e.g., back or leg braces);
- novel technologies (e.g., laser or wearable devices) (novel technologies must have at least a prototype available to test for proof of concept);
- rehabilitative therapy programs (e.g., occupational or physical therapy).

Projects may aim to analyze preliminary existing data around devices or programs. At the end of the proposed project period, the technology or approach must have the potential to be quickly integrated into patient care.

Value:
maximum $500,000
1-2 year grants
https://www.michaeljfox.org/research/grant-detail.php?id=37
announcement website: https://www.michaeljfox.org/research/apply-for-grant.html

Application process:
The MJFF pre-proposal deadline is May 31, 2018

ROADS contact:
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

McMaster University, McMaster Institute for Research on Aging (MIRA), Labarge Centre for Mobility in Aging (LCMA): Grants

The LCMA has recently announced the following funding opportunities:

1) Planning Grant, the objective: to invite the Associate Deans (Research) in each Faculty to submit proposals to explore and establish new cross-Faculty partnerships around the themes of aging and mobility.

The funds are intended to support networking activities (e.g., a workshop or an event) that will facilitate the exploration of research partnerships and project ideas. The goal is to generate research questions that integrate the perspectives of multiple disciplines.

Value: maximum $2,000; requires matching funds of at least $500 (may include maximum $250 of in-kind contributions from alternate sources)

Application process: The abstract deadline is May 31, 2018.
http://mira.mcmaster.ca/docs/default-source/Documents-and-Files/2018planninggrants_may310c020e45b7f266cc881aff0000960f99.pdf?sfvrsn=0 and
http://mira.mcmaster.ca/research/funding-opportunities

2) Catalyst Grant, promoting aging in place through the lens of mobility, the objective: to invite the Associate Deans (Research) in each Faculty the opportunity to conduct collaborative and interdisciplinary research focused on mobility in aging.

The grants are intended to stimulate new collaborations and allow researchers to collect preliminary data to support future proposals for full-scale studies.

Value: maximum $40,000 over 1 year; requires matching funds of at least $5,000 (may include maximum $2,500 of in-kind contributions from alternate sources)

Application process: The abstract deadline is May 31, 2018.
http://mira.mcmaster.ca/docs/default-source/Documents-and-Files/catalystgrants_2018_may-31.pdf?sfvrsn=0 and
http://mira.mcmaster.ca/research/funding-opportunities

3) Canadian Longitudinal Study on Aging (CLSA), the objective: to apply for CLSA data access to be considered for MIRA funding.
The MIRA funds will be allocated only to projects that do not have any other funding for this purpose. MIRA membership is required to be eligible.

**Value:** MIRA funding can support access fees of $3,000 for up to 10 applications for CLSA data access.

**Application process:** The application deadline is **June 11, 2018.**
https://www.clsa-elcv.ca/data-access/data-access-application-process and
http://mira.mcmaster.ca/research/funding-opportunities

4) **MIRA and LCMA Matching Funds for Research Opportunities,** the objective: to improve the positioning of McMaster’s researchers in external funding competitions.

The MIRA and the LCMA have allocated funding that could be used to match or leverage external funds. The process is intended to be used for requests related to externally funded, peer-reviewed grant competitions that require a matching component.

**Value:** maximum $100,000 (total cash and/or in-kind) non-renewable funding
anticipated support 1-2 projects per year

**Application process:** Proposals are accepted on a **rolling basis.** Applicants should apply at least one month before the grant submission is due.

**Contact** (for all listed above):
Laura Harrington, MIRA/LCMA Managing Director, at harrinl@mcmaster.ca or extension 28658

**Quebec Consortium for Drug Discovery (CQDM): Quantum Leap**

The objective of the **Quantum Leap** program is to support highly innovative technologies, tools or platforms with strong preliminary data that 1) accelerate or facilitate the drug discovery/development process, 2) prevent, treat or cure diseases pursued by the biopharmaceutical industry.

The research agenda extends to all scientific and technical fields related to biopharmaceutical research and development, and all disciplines, to enhance and improve biopharmaceutical research productivity.

The Quantum Leap strategic initiative aims to bring disruptive technologies or platforms to a point where services and/or products generated by the platforms could be commercialized, or further developed for use by the industry and/or the scientific community. The program strongly encourages public-private partnerships.


**Value:**
$500,000 to $2,000,000 for a minimum 1 year - maximum 3 years

**Application process:**
The CQDM application deadline is **June 1, 2018.**
ROADS contact:
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207

ALS Canada: ALS Canada Project Grant Program 2018

The objective of the Project Grant Program is to support the best possible projects that are 1) novel research approaches supported by sound rationale and a feasible experimental plan, but not necessarily preliminary data, 2) part of an ongoing ALS research program and aimed toward the vision of ALS Canada (i.e., a future without ALS), or 3) research focused on avenues to maximize function, minimize disability, optimize quality of life through symptom management and support to families living with ALS.

Examples include, but are not limited to:

- management of secretions and cramps;
- psychological interventions to address mental health issues;
- nutritional interventions;
- respiratory care;
- engineering applications to reduce physical limitations;
- programs to address the needs of caregivers.

https://www.als.ca/research/apply-for-funding/

Value:
m maximum $125,000 over 1 or 2 years

Application process:
The ALS Canada application deadline is June 8, 2018.

ROADS contact:
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

Department of Defense (DoD), Congressionally Directed Medical Research Programs: FY18 Peer Reviewed Medical Research Program (PRMRP): Grants

The DoD PRMRP has recently announced the following funding opportunities:

1) Investigator-Initiated Research Award, the objective: to support studies that will make an important contribution toward research and/or patient care (i.e., military Service members, Veterans and/or beneficiaries) for a disease or condition related to at least one of the Topic Areas, pages 3-4 at http://cdmrp.army.mil/funding/pa/FY18-PRMRP-IIRA.pdf. Research projects may focus on any phase of research from basic laboratory through translational, including preclinical studies in animal models and human subjects, as well as correlative studies associated with an existing clinical trial.

Value: single Principal Investigator (PI) $1.2 million; Partnering PI Option $1.5 million, over 3 years

Application process: The DoD pre-application deadline is June 12, 2018.
2) **Technology/Therapeutic Development Award**, the objective: to provide support for the translation of promising preclinical findings into products for clinical applications including prevention, detection, diagnosis, treatment, or quality of life, in at least one of the **Topic Areas**, pages 3-4 at [http://cdmrp.army.mil/funding/pa/FY18-PRMRP-TTDA.pdf](http://cdmrp.army.mil/funding/pa/FY18-PRMRP-TTDA.pdf). The product(s) to be developed may be a tangible item (e.g., a pharmacologic agent (drugs or biologics) or device), or a knowledge-based product that 1) addresses an identified need in a Topic Area, 2) is based on current evidence and research, 3) aims to transition into medical practice, training, tools, or to support materiel solutions (i.e., systems to develop, acquire, provide, and sustain medical solutions and capabilities), and 4) educates or impacts behavior throughout the continuum of care, including primary prevention of negative outcomes.

**Value**: $3 million over 3 years

**Application process**: The DoD pre-application deadline is **June 12, 2018**.

3) **Discovery Award**, the objective: to support innovative, non-incremental, high-risk/potentially high-reward research that will provide new insights, paradigms, technologies, or applications in at least one of the **Topic Areas**, pages 3-4 at [http://cdmrp.army.mil/funding/pa/FY18-PRMRP-DA.pdf](http://cdmrp.army.mil/funding/pa/FY18-PRMRP-DA.pdf). Studies supported by this award are expected to lay the groundwork for future avenues of scientific investigation. The proposed research project should include a well-formulated, testable hypothesis based on a sound scientific rationale and study design.

**Value**: $200,000 over 18 months

**Application process**: The DoD pre-application deadline is **June 14, 2018**. The application deadline is **June 28, 2018**.

4) **Focused Program Award**, the objective: to optimize research and accelerate the solution for a critical question related to at least one of the Congressionally directed **Topic Areas** through a synergistic, multidisciplinary research program. **Topic Areas**, pages 3-4 at [http://cdmrp.army.mil/funding/pa/FY18-PRMRP-FPA.pdf](http://cdmrp.army.mil/funding/pa/FY18-PRMRP-FPA.pdf)

**Value**: $10 million over 4 years

**Application process**: The DoD pre-application deadline is **June 19, 2018**.

announcement site: [http://cdmrp.army.mil/funding/prmrp](http://cdmrp.army.mil/funding/prmrp)

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at vscarvl@mcmaster.ca or extension 24519

**Gerda Henkel Stiftung: General Research Grants**

The objective of the **General Research Grant** is to support historical humanities, in particular, to support research projects in the fields of Archaeology, Art History, Historical Islamic Studies, History, History of Law, History of Science, Prehistory and Early History.

[https://www.gerda-henkel-stiftung.de/research_grants](https://www.gerda-henkel-stiftung.de/research_grants)

**Value**: max. 15,000 euros

Applicants are requested to submit a detailed cost calculation (e.g., personnel, travel, materials and/or other costs) for a maximum of 12 months.
Application process:
The Gerda Henkel Stiftung application deadline is **June 13, 2018**.

ROADS contact:
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207

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**Templeton World Charity Foundation: Global Innovations for Character Development (GICD)**

The objective the *GICD* initiative is to 1) develop a portfolio of scientific innovations to promote character development through proof-of-concept and transition-to-scale awards, 2) stimulate innovations that promote and nurture character strengths among individuals and communities, 3) attract high-quality applications for character development research and implementation projects in low and middle income countries worldwide, and throughout Latin America and the Caribbean.

The lead applicant (Principal Investigator) must be affiliated with an institution based in one of the countries listed in Appendix I.

Implementation of the project must take place in an eligible country listed in Appendix I.

There are no restrictions on the affiliation of the co-Principal Investigator or other collaborators, and collaborations between researchers from eligible countries and other parts of the world are strongly encouraged.

The Foundation conceives of character strengths as learned and learnable attributes, virtues, skills, habits or capabilities that enable individuals to live better, more fulfilling and prosperous lives. Examples include, but are not limited to:

- gratitude;
- honesty;
- humility;
- kindness;
- perseverance;
- responsibility;
- forgiveness;
- empathy.

The Foundation strongly encourages the identification and study for character strengths, not listed here, which are embedded in local cultures, languages and countries.

Ten *proof-of-concept* awards will be provided to proposals that:

- develop and evaluate novel approaches to fostering character strengths; and
- develop contextually appropriate scales for measuring character strengths.

Successful proposals will demonstrate a clear path to generating impact on individuals through demonstrable changes in knowledge, awareness, and the practice of character strengths. All proposals must include a rigorous evaluation methodology.
The Foundation is also offering an award to scale up a character development innovation. This opportunity is open to innovations that have a peer-reviewed evidence base, and that are ready to achieve substantial impact through widespread implementation.

The Foundation intends several rounds of funding in this initiative over the next several years.

https://www.globalcharacter.org/

Value:
proof-of-concept: maximum $234,000 USD
(scale up) character development innovation: $1 million
Projects should not exceed 24 months in duration.

Application process:
The Templeton World Charity Foundation application deadline is June 15, 2018.

ROADS contact:
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207

Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY18 Amyotrophic Lateral Sclerosis Research Program (ALSRP) – Grants

The DoD ALSRP has recently announced the following funding opportunities:

1) Therapeutic Development Award, the objective: to support research ranging from validation of therapeutic leads to U.S. Food and Drug Administration (FDA) Investigational New Drug (IND)-enabling studies. The proposed studies are expected to be empirical in nature and product-driven.

Examples of activities that will be supported by this award include:

- confirmation of candidate therapeutics obtained from screening or by other means, including optimization of potency and pharmacological properties, and testing of derivatives and sister compounds;

- validation of early pilot studies, including the use of multiple ALS model systems and/or replicating preliminary data, with more time points or additional doses;

- studies on formulation and stability leading to Good Manufacturing Practice production methods;

- IND-enabling studies to include compound characterization, absorption, distribution, metabolism and excretion studies, dose/response and toxicology studies in relevant model systems.


Additional funding is being offered for the co-development of markers that will enhance the drug development process.

Value: 
maximum $1 million; *Therapeutically Relevant Marker Option* $1,250,000 over 2 years

2) *Therapeutic Idea Award*, the objective: to promote new ideas aimed at drug or treatment discovery that are still in the early stages of development. Development and/or modification of preclinical model systems, or the application of high-throughput screens to define or assess lead compounds for ALS treatment, are of interest. Development of methods to adequately measure target binding and proximal downstream effects (target engagement), and the potential for undesirable activities at related but unintended targets (selectivity), are also encouraged.  

Value: 
maximum $500,000 over 2 years

announcement site: http://cdmrp.army.mil/funding/alsrp

Application process: 
The DoD pre-application deadline is **June 22, 2018**.

ROADS contact: 
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

**Partnership For clean competition (PCC): Research Grants and Micro-Grants**

The PCC supports research that contributes to a movement in addressing doping’s root causes and ultimately decreasing the use of performance-enhancing drugs by all participants, in all sports, at all levels of play.

The PCC has recently announced the following funding opportunities:

1) *Research Grants*, the objective: to support projects advancing knowledge in the anti-doping sphere. 
review Research Priorities at http://www.cleancompetition.org/about/research-priorities/  
http://www.cleancompetition.org/programs/grants-program/

2) *Micro-Grants*, the objective: to fund high quality projects which fill immediate gaps in anti-doping knowledge.  
http://www.cleancompetition.org/programs/micro-grants-program/

announcement website: http://www.cleancompetition.org/

Value: 
*Research Grants*: $10,000 - $400,000 (the average funding amount is $225,000) 
The duration of the project is determined by the applicant. A *Pilot Project* receives funding for 1 year.

*Micro-Grants*: for projects requiring less than $75,000 and fewer than 6 months to complete

Application process: 
The PCC *Research Grants* pre-application deadline is **July 1, 2018** (and **November 1, 2018**). 
The PCC accepts *Micro-Grant* requests **year-round**.
National Geographic Society: Grants

The National Geographic Society supports bold, innovative and potentially transformative projects that have a primary focus in conservation, education, research, storytelling, or technology.

The National Geographic Society has recently announced the following funding opportunities:

1) **Early Career Grant**, the objective: to offer less experienced individuals an opportunity to lead a project. Applicants are not required to have an advanced degree. Applicants with more than five years of professional experience in the field of their project focus are not eligible to apply.  
**Value**: $5,000 - $10,000 USD, maximum 1 year  
review **Eligibility** at [https://www.nationalgeographic.org/grants/eligibility/](https://www.nationalgeographic.org/grants/eligibility/)

2) **Exploration Grant**, the objective: to support experienced project leaders. The applicant and his or her team members are expected to demonstrate successful completion of similar projects with measurable and/or tangible results.  
**Value**: $10,000 - $30,000, maximum 1 year  
[https://www.nationalgeographic.org/grants/preparing-your-proposal/](https://www.nationalgeographic.org/grants/preparing-your-proposal/)

3) **Requests for Proposals**, the objective: to support certain key issues; “Documenting Human Migrations”  
**Value**: Typical proposal requests should be less than $30,000; however, applicants may request up to $70,000. (up to 20% of the total may be used as a stipend for the applicant and/or team members)  

announcement website: [https://www.nationalgeographic.org/grants/grant-opportunities/](https://www.nationalgeographic.org/grants/grant-opportunities/)

Application process: 
The National Geographic Society application deadline is **July 10, 2018**.

ROADS contact: 
Nathan Coschi, Senior Advisor, at coschimn@mcmaster.ca or extension 21581

Hamilton Community Foundation: The Dougher Community Fund

The objective of the **Dougher Community Fund** is to support and enhance services and facilities offered in the area formerly known as the Town of Dundas.

Applications will be considered in the following areas:

- Supports and services for seniors/persons with disabilities
- Poverty alleviation
Youth engagement and support
Environmental issues
Accessibility to the arts

https://www.hamiltoncommunityfoundation.ca/grants/grant/dougher-community-fund/

Value:
Applicants submit a budget for 1 year of funding.

Application process:
The Hamilton Community Foundation application deadline is July 13, 2018.

ROADS contact:
Miky (Mihaela) Dumitrescu, Senior Advisor, at dumitrm@mcmaster.ca or extension 21548

World Anti-Doping Agency (WADA): 2018 Social Science Research Grant Program

The objective of the Social Science Research Grant Program is to support 1) anti-doping education programs, 2) relevant areas of social science research in the field of anti-doping to inform more effective doping prevention strategies.

WADA-supported research requires that anti-doping education programs and initiatives are grounded in scientific knowledge and evidence. All proposals, regardless of topic, should provide a strong rationale underpinned by a sound appraisal of the evidence base.

Proposals are invited for research that specifically “measures the effectiveness of existing anti-doping strategies and interventions”. Applicants must clearly demonstrate how the results of the proposed research have the potential to inform the development of effective doping prevention programs.

The WADA seeks to expand the portfolio of social science research to include a diverse range encompassing, amongst other things:

- work based on single social science disciplines;
- research which combines disciplinary approaches;
- research focused on advancing scientific theory; and
- research aimed principally at developing practical applications.

Proposals that demonstrate partnerships and collaboration between research institutions and anti-doping organizations will be looked upon favorably. Similarly, interdisciplinary proposals drawing from multiple social science fields (e.g., sociology, psychology, law, economics, and management science) are encouraged. Extra weighting will also be given to projects involving more than one country.

https://www.wada-ama.org/en/social-science-research and

Value:
$100,000 USD or more, maximum 3 years
Application process:
The WADA application deadline is July 16, 2018.

ROADS contact:
Miky (Mihaela) Dumitrescu, Senior Advisor, at dumitr@mcmaster.ca or extension 21548

Harry Frank Guggenheim Foundation: Research Grants

The objective of the Research Grant is to support scholarly research on problems of violence, aggression and dominance.

The Foundation welcomes proposals from any of the natural and social sciences and the humanities, that promise to increase understanding of the causes, manifestations, and control of violence and aggression.

The highest priority is given to research that can increase understanding and amelioration of urgent problems of violence and aggression in the modern world.
review Research Priorities at http://hfg.org/rp/youth.htm

http://hfg.org/

Value:
$15,000 - $40,000 per year for 1 or 2 years

Application process:
The Harry Frank Guggenheim Foundation application deadline is August 1, 2018.

ROADS contact:
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207

John Templeton Foundation: Grants

The objective of the John Templeton Foundation is to support the power of the sciences and other discovery-oriented disciplines to advance our understanding of the Big Questions.

Core Funding Areas:

- Science & The Big Questions
- Exceptional Cognitive Talent & Genius
- Genetics
- Voluntary Family Planning;
- Character Development
- Individual Freedom & Free Markets
review Funding Areas at https://www.templeton.org/funding-areas
The Foundation has announced two grant types: Small; Large

**Value:**
- **Small Grants**: requests for $234,800 USD, or less
- **Large Grants**: requests for more than $234,800 USD

**Application process:**
The John Templeton Foundation online funding inquiry deadline is **August 31, 2018.**

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

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**Institute for Catastrophic Loss Reduction (ICLR): ICLR Quick Response Program**

The objective of the **ICLR Quick Response Program** is to allow social, behavioural and economic scientists to quickly deploy to a disaster-affected area in the aftermath of a flood, extreme weather event, or earthquake to collect perishable data.

The program promotes innovation in disaster research by favoring students, new researchers, and novel areas of study.

Although all proposals will be considered, the ICLR has identified areas where it would like to see the literature developed. This list may be updated from time to time. Proposals that engage one or more of the following topics, or classes of disasters will be given extra weight:

1) Adaptation/Mitigation behaviours;
2) Hazard risk communication - pre/post disaster;
3) Community recovery/household recovery capacity;
4) Resilience indicators;
5) Damage assessments (social/environmental/economic);
6) Interagency and intergovernmental coordination;
7) Perceptions of natural hazards;
8) Post disaster mitigation – build back better.

In addition to expanding academic knowledge, funded researchers submit brief reports that make preliminary analyses of recent events available to ICLR’s multidisciplinary network of researchers, practitioners and educators, as well as other interested parties.

https://www.iclr.org/quickresponse.html

**Value:**
$2,500 supports research expenses within Canada and the United States
The research expenses may include travel to the disaster-affected area(s), accommodation, research assistants, etc.

A maximum $5,000 is available for an exceptional proposal.
Application process:
The ICLR will accept applications at all times.

ROADS contact:
Leanna Fong, Senior Advisor, at fongl@mcmaster.ca or extension 21583

Shastri Indo-Canadian Institute (SICI): Grants

The Shastri Indo-Canadian Institute is a binational organization that promotes understanding between India and Canada through academic activities and exchanges. The Institute has recently announced the following funding opportunities:

1) *Global Initiative for Academic Network (GIAN) Programme*, the objective: to tap the talent pool of scientists and entrepreneurs internationally to encourage their engagement with the Institutes/Departments of Higher Education in India to 1) augment the country’s existing academic resources, 2) accelerate the pace of quality reform, and 3) elevate India’s scientific and technological capacity to global excellence. (review *Scope of GIAN*, priority areas at [http://www.sici.org/programmes/details/global-initiative-for-academic-network-gian-programme/](http://www.sici.org/programmes/details/global-initiative-for-academic-network-gian-programme/))

Value:
Up to $8,000 USD for 12-14 hours of contact, and up to $12,000 for 20-28 hours of contact to cover travel and honorarium. Local hospitality will be arranged by the host institution. The duration (number of weeks/days) can be mutually decided by the host institution and the visiting faculty. The funding for the courses by the Institutes shall be partially supported through various schemes.

Application Process:
Applications can be submitted *throughout the year*.

2) *Shastri Faculty-In-Residence Programme (FIR)/Global Initiative for Academic Network (GIAN)*, the objective: for Canadian faculty members, scientists, and entrepreneurs to take up engagements at Indian institutions. This programme is projected to tap the talent pool of Canadian faculty and to 1) encourage them to connect with the institutes of Higher Education in India to boost the country’s existing academic resources, 2) accelerate the pace of quality reform, and 3) elevate India’s scientific and technological capacity to global excellence. (review *Scope*, priority areas at [http://www.sici.org/programmes/details/faculty-in-residence-programme-fir-open/](http://www.sici.org/programmes/details/faculty-in-residence-programme-fir-open/))

Value:
$8,000 – $12,000 USD for 1 or 2 weeks

Application Process:
Applications can be submitted *throughout the year*.

3) *SICI Membership Development Fund (SMDF) 2017-18*, the objective: to publicize and promote SICI mandates, as well as programs and grants offered by SICI Canada and India offices, to its Canadian Members
Council Institutions to 1) enable faculty, student and staff of his /her institution to apply, and 2) receive the benefits of being active members of the SICI.  

**Value:**  
Each Canadian member institution will receive up to $500 CND.

**Application Process:**  
Applications can be submitted *throughout the year*.

**ROADS Contact:**  
Leanna Fong, Senior Advisor, at fongl@mcmaster.ca or extension 21583

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**Weston Brain Institute, Early Phase Clinical Trials: Canada**

The objective of the *Early Phase Clinical Trials* program is to provide significant support for 1) translational research to accelerate the development of therapeutics for neurodegenerative diseases of aging, and 2) clinical trials and/or clinical trial sub-studies that have excellent preliminary data.

All projects must involve the development of a therapeutic and/or a tool.

http://westonbraininstitute.ca/wp-content/uploads/CT18-Program-Details-v05.pdf and  
http://westonbraininstitute.ca/early-phase-clinical-trials-canada/

**Value:**  
maximum $1,500,000 per project over a maximum 4 years

**Application process:**  
The Weston Brain Institute letter of intent is accepted on a *rolling basis*.

**ROADS contact:**  
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

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**Canadian Institute for Advanced Research (CIFAR), Call for Proposals: International & Interdisciplinary Research Workshops – Open Call**

The objective of the *International & Interdisciplinary Research Workshops* is to explore key questions of global importance that can best be addressed through interdisciplinary, international teams. CIFAR invites the global research community to submit proposals for workshops that are centred on complex, fundamental, critical questions that have the potential to impact multiple sectors of society internationally.

The *Open Call* is now accepting workshop proposals from any field of humanities, engineering, social, natural, or biomedical sciences. Topics that are timely in the context of world events, high-risk, or which have strong potential for advancement or refinement through a collaborative and interdisciplinary approach, are encouraged. At least one researcher must be based in Canada. Other participants are expected to be geographically diverse.
https://www.cifar.ca/assets/researchworkshops/

Value:
CIFAR will provide up to $50,000 to support short-term, time-limited interactions between 10-20 participants.

Application Process:
The CIFAR will accept applications on a *rolling basis*.

ROADS Contact:
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519

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**Simons Foundation, Mathematics and Physical Sciences Division: Targeted Grants in Mathematics and Physical Sciences**

The objective of the (new) *Targeted Grants in Mathematics and Physical Sciences* program is to support high-risk projects of exceptional promise and scientific importance in mathematics, theoretical physics and theoretical computer science.

https://www.simonsfoundation.org/funding/funding-opportunities/mathematics-physical-sciences/targeted-grants-in-mps/

Value:
There is no recommended funding limit. Expenses for experiments, equipment, computations, personnel and travel are allowable. The grant provides funding for up to 5 years.

Application Process:
Letters of Intent are considered on a *rolling basis* with a response time within 2 months.

ROADS Contact:
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519