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- CANARIE Inc: National Data Services Framework Summit 2019 – January 24-25, 2019 (Ottawa)
- Ontario Centres of Excellence: ENCQOR 5G Academic Technology Development Program – Expression of Interest deadline January 24, 2019
- Alberta Ministry of Labour: Occupational Health and Safety (OHS) Futures – Grant Funding Program – Notice of Intent deadline January 28, 2019
- Canada Foundation for Innovation (CFI), Conversation on the future of research and research infrastructure in Canada: The role of the Canada Foundation for Innovation – Town Hall Meetings, January 28, 31, 2019 (Kitchener and Toronto)
- Academy of Motion Picture Arts and Sciences: Academy Film Scholars – Application deadline January 31, 2019
- Alpine Club of Canada (ACC), ACC Financial Grants: ACC Environment Grant – Application deadline January 31, 2019
- Spina Bifida and Hydrocephalus Association of Canada: Research Grant – Application deadline January 31, 2019
- The Lung Association – Ontario and Ontario Respiratory Care Society (ORCS): ORCS Research Grant – Application deadline February 1, 2019
- The Kidney Foundation of Canada, Kidney Research Scientist Core Education and National Training (KRESCENT) Program: New Investigator Award – Application deadline February 1, 2019
• Leukemia Research Foundation, Hollis Brownstein Research Grants Program: New Investigator Grants – Letter of Intent deadline February 1, 2019

• Government of Canada, Impact Canada Challenge Platform, The Sky’s the Limit Challenge: Green Aviation Fuels Innovation Competition – Application deadline February 1, 2019

• Burroughs Wellcome Fund: Collaborative Research Travel Grants – Application deadline February 1, 2019

• Spencer (Spencer Foundation): Small Research Grants and The New Civics – Application deadline February 1, 2019

• Canadian Blood Services: Intramural Research Grant Program – Registration deadline February 1, 2019

• Parkinson Canada: Grants – Application deadline February 4, 2019

• Canadian Institute for Advanced Research (CIFAR): CIFAR Azrieli Global Scholars - Application deadline February 5, 2019

• National Multiple Sclerosis Society: Grants – Pre-application deadline February 6, 2019

• Burroughs Wellcome Fund: Innovation in Regulatory Science – Application deadline February 6, 2019

• Canadian Hemophilia Society: Grant, CHS – Bayer – ADVANCE Canada Research Program – Application deadline February 8, 2019

• World Wood Day Foundation: Research Grant – Application deadline February 11, 2019

• Orthopaedic Trauma Association (OTA): Research Grants – Application deadline February 11, 2019

• Grand Challenges Canada: OPTions Innovation Initiative – Application deadline February 12, 2019

• Wabash Center: Project Grants – Application deadline: Small – Rolling, Large: February 15, 2019

• World Anti-Doping Agency (WADA): Call for Proposals, 2019 Scientific Research Grants – Application deadline February 15, 2019

• Fields Institute for Research in Mathematical Sciences: Proposals for Outreach Activities – Application deadlines February 15, 2019; June 15, 2019; October 15, 2019

• Graham Foundation: Grants to Organizations – Application deadline February 25, 2019

• Canadian Asthma, Allergy and Immunology Foundation (CAAIF): Grants – Application deadline February 28, 2019

• Banting Research Foundation: Discovery Award – Application deadline March 15, 2019
• Department of Defense, Congressionally Directed Medical Research Programs: FY19 Amyotrophic Lateral Sclerosis Research Program (ALSRP) – Pre-application deadline March 22, 2019


• ICLR AND MEOPAR Call for Proposal – 2018 Spring Flooding – Notify ROADS of Intent to Apply as soon as possible

• McMaster University, McMaster Institute for Research on Aging: Funding Opportunities – rolling

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

• 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

• MIRA AND LCMA Matching Funds for Research Opportunities – Rolling

• Global Water Futures (GWF): GWF Affiliate Project – Project Description, no deadline

• Le Secrétariat du Québec aux relations canadiennes (SQRC): Research Support Program on Intergovernmental Affairs and Québec Identity (PSRAIIQ) – no Project deadline

• Canada Foundation for Innovation (CFI): Research Facilities Navigator – online profile, no deadline

• Partnership For Clean Competition: Micro-Grants – no application deadline

• CIHR, NSERC, SSHRC and the Canada Foundation for Innovation, Invitation for Feedback: Prioritizing Future Challenges for Canada – no deadline

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

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

• Natural Sciences and Engineering Research Council of Canada (NSERC): NSERC Committee Membership
Government of Canada, Strategic Innovation Fund, Stream 4: Automation and digital technologies in the agriculture and agri-food sector

The objective of the Stream 4 is to 1) support projects/proposals that develop and deliver automation and digital technology applications for the agriculture and agri-food sector, and 2) advance industrial research, development, and technology demonstration through collaboration between the private sector, researchers, non-profit organizations, consortia and networks.

Proposals should:

. solve problems through the use of data and technology in the agriculture and agri-food sector (e.g., automation and robotics, precision agriculture platforms, data and digital solutions, sensors, interconnected software and hardware, artificial intelligence, machine learning, blockchain);

. include collaborations between businesses (including small and medium-sized enterprises), post-secondary institutions, research institutes, and non-profit organizations from multiple sectors across Canada;

. generate strong economic and social benefits (e.g., private sector investments in research and development, the creation of new intellectual property and innovations, the development and implementation of new products, processes and services); and

. bring about positive environmental impacts (e.g., reduction in greenhouse gas emissions, food waste, water usage and energy consumption).


Application process:
The Government of Canada declaration of intent deadline is January 11, 2019. The application deadline is March 1, 2019.

Contact:
McMaster Industry Liaison Office (MILO), Gay Yuyitung, Executive Director, at yuyitun@mcmaster.ca or extension 23164.

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

The objective of the Partnership Engage Grant is to 1) provide short-term, timely support for small-scale, stakeholder-driven, partnered research activities that will inform decision-making at a single partner organization (i.e., public, private, not-for-profit, non-academic sectors), and 2) respond to immediate needs and time constraints facing organizations.
Partnership Engage Grant 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


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

Application process:
Notify ROADS of intent to apply by January 15, 2019.

The initial draft of the application and letters of support are due to the ROADS by February 22, 2019. The final draft, and a completed and signed Application Approval Form, are due to ROADS by March 8, 2019.

The SSHRC application deadline is March 15, 2019.

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

Shastri Indo-Canadian Institute: Faculty Development Programme for Vocational Education (FDPVE)

The objective of the FDPVE is to 1) identify faculty from Indian/Canadian institutions, providing vocational education, to introduce the Indian/Canadian community college system and enrich their knowledge base; and 2) identify an ideal teacher trainer/resource person from Canada, in the major areas of vocational education, to train a group of Indian faculty to:

- introduce new pedagogy, skill sets and curriculum;
- develop a module, to introduce an international perspective to their existing curriculum and pedagogy, to better prepare students for the international labour market.

Priority areas:
- Agriculture
- Applied Arts
- Automobiles
- Communication
https://www.shastriinstitute.org/faculty-development-programme-for-vocational-education

**Value:**
$750 CAD per week for 4 weeks

**Application process:**
The Shastri Indo-Canadian Institute application deadline is **January 19, 2019**.

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

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**Weston Brain Institute: Open Funding Opportunities**

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

1) **Rapid Response: Canada 2019**, the objective: to provide seed funding for novel, high-risk, high-reward, translational research that will accelerate the development of therapeutics for neurodegenerative diseases of aging.

**Focus:**
- *Parkinson’s and Related Diseases* (e.g., Parkinson’s disease; Progressive supranuclear palsy; Dementia with lewy bodies; Multiple system atrophy; prodromes; vascular contributions to the listed diseases)
- *Alzheimer’s and Related Diseases* (e.g., Alzheimer’s disease; frontotemporal dementia; mild cognitive impairment; prodromes; vascular contributions to the listed diseases)

[announcement site: http://westonbraininstitute.ca/funding-opportunities/open-and-upcoming-programs/](http://westonbraininstitute.ca/funding-opportunities/open-and-upcoming-programs/)

**Webinars**
The Institute will hold a **Program Information Webinar** for each disease focus to provide further details on the program, and answer questions.

**Parkinson’s:** *January 30, 2019* at 1:00pm EST
Register: [https://register.gotowebinar.com/register/6962310332820020738](https://register.gotowebinar.com/register/6962310332820020738)

**Alzheimer’s:** *February 27, 2019* at 1:00pm EST
Register: [https://register.gotowebinar.com/register/2112419518260669955](https://register.gotowebinar.com/register/2112419518260669955)

**Value:**
maximum $300,000 over a maximum 18 months per project
Application process:
The Weston Brain Institute letter of intent deadlines:

*Parkinson’s:* March 13, 2019  
*Alzheimer’s:* April 1, 2019

2) *Transformational Research: Canada 2019,* the objective: 1) to provide funding for transformative, novel, high-risk, high-reward, translational research projects that will accelerate the development of therapeutics for neurodegenerative diseases of aging, 2) to expand the type of complementary approaches eligible for funding to other lifestyle interventions (e.g., speech therapy, cognitive therapy, music therapy, social interaction); and 3) to encourage applications that bring in other fields (e.g., AI, big data, machine learning, data science, computer science).

Focus:
- *Parkinson’s and Related Diseases* (e.g., Parkinson’s disease; Progressive supranuclear palsy; Dementia with Lewy bodies; Multiple system atrophy; prodromes; vascular contributions to the listed diseases)
- *Alzheimer’s and Related Diseases* (e.g., Alzheimer’s disease; frontotemporal dementia; mild cognitive impairment; prodromes; vascular contributions to the listed diseases)

http://westonbraininstitute.ca/transformational-research-canada-2019-ad-pd/  
announcement site: http://westonbraininstitute.ca/funding-opportunities/open-and-upcoming-programs/

**Webinars**
The Institute will hold a *Program Information Webinar* for each disease focus, to provide further details on the program and answer questions.

*Parkinson’s: *January 30, 2019 at 1:00pm EST  
Register: https://register.gotowebinar.com/register/6962310332820020738  
*Alzheimer’s: *February 27, 2019 at 1:00pm EST  
Register: https://register.gotowebinar.com/register/2112419518260669955

**Value:**  
$200,000 - $1,500,000 over a maximum 3 years per project

Application process:
The Weston Brain Institute letter of intent deadlines:

*Parkinson’s:* March 13, 2019  
*Alzheimer’s:* April 1, 2019

3) *Big Ideas: Canada,* the objective: 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
Prodromes to the above

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

announcementsite: http://westonbraininstitute.ca/funding-opportunities/open-and-upcoming-program/

**Value:**
$5,000,000 - $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:**
Virginia Viscardi, Senior Advisor, at visscarvl@mcmaster.ca or extension 24519

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**The Klarman Family Foundation: Eating Disorders Research Grants Program**

The objective of the Eating Disorders Research Grants Program is to 1) understand the biology underlying the psychiatric disease anorexia nervosa, 2) support bold, imaginative, game-changing research with high potential impact and importance to anorexia nervosa, and 3) accelerate progress toward prevention and treatment.

The Foundation seeks to:

- fund well-controlled, sufficiently powered studies asking important questions regarding the interface between behaviour/cognition and neurobiology;
- strengthen the connections between the epidemiology, genetic epidemiology, and molecular biology of the disease; and
- identify the mechanisms through which genetic, environmental, and lifestyle factors lead to disease.

http://klarmanfoundation.org/eating-disorders-research/

**Value:**
- maximum $150,000 USD (inclusive of up to 10% indirect costs) for a 1 year pilot study
- maximum $250,000 USD per year (inclusive of up to 10% indirect costs) for 1 – 3 year research projects

**Application process:**
The Klarman Family Foundation application deadline is February 14, 2019.

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at visscarvl@mcmaster.ca or extension 24519
Tinker Foundation Incorporated: Institutional Grants

The objective of the Institutional Grant is to support the development of effective policy changes that improve the lives of Latin Americans.

The Foundation's funding is directed to three program areas in which focused, expert research and innovation have the potential to make significant, positive impact.

. Democratic Governance
review [https://www.tinker.org/content/democratic-governance](https://www.tinker.org/content/democratic-governance)

. Education
review [https://www.tinker.org/content/education](https://www.tinker.org/content/education)

. Sustainable Resource Management
review [https://www.tinker.org/content/sustainable-resource-management](https://www.tinker.org/content/sustainable-resource-management)

Successful proposals have 1) a strong public policy component, 2) offer innovative solutions to problems facing these regions, and 3) incorporate new mechanisms for addressing programmatic areas.

Activities may include, but are not restricted to research projects, workshops, and conferences related to the Foundation's areas of interest (above).

The Foundation encourages collaboration among organizations in the United States and Latin America, and prefers to fund institutions that are actively engaged with a broad array of stakeholders impacted by the identified challenge.

Funding for general support may be considered on a limited basis.

[https://www.tinker.org/content/institutional-grants](https://www.tinker.org/content/institutional-grants)

**Value:**
Applicants submit a budget and estimate the duration of the project.

**Application process:**
The Tinker Foundation Incorporated Letter of Inquiry opens **January 7 – March 1, 2019.** The application deadline is **March 15, 2019.**

**ROADS contact:**
Scott Johnston, Senior Advisor, at johnssa6@mcmaster.ca or extension 24439


The objective of the Henri Chrétien International Research Grant is to support international, collaborative projects in observational astronomy.
Emphasis is placed on long-term visits and the development of close working relationships with astronomers in other countries.

https://aas.org/grants-and-prizes/chr%C3%A9tien-international-research-grants

**Value:**
maximum $20,000 USD to one or more individuals, or groups

**Application process:**
The American Astronomical Society application deadline is **April 1, 2019**.

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

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**Association for the Sociology of Religion (ASR): Joseph H. Fichter Research Grant Competition**

The objective of the *Joseph H. Fichter Research Grant Competition* is to support members of the Association involved in 1) promising sociological research on women in religion, or 2) the intersection between religion and gender, or 3) religion and sexualities. All proposed research must be sociological in nature.

Applicants must be members of the ASR at the time of application. review **Become A Member** at http://www.sociologyofreligion.com/member/create-profile.php

https://www.sociologyofreligion.com/lectures-papers/fichter-research-grant-competition/

**Value:**
A total of $12,000 is available. This amount is distributed among several of the leading applications in the year’s competition.

**Application process:**
The ASR application deadline is **May 1, 2019**.

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

Social Sciences and Humanities Research Council (SSHRC): Insight Development Grants

The objective of the Insight Development Grant is to 1) support research in its initial stages, 2) enable the development of new research questions, and 3) experiment with new methods, theoretical approaches and/or ideas. Funding is provided for short-term research development projects proposed by individuals or teams.

For the current competition, at least 50% of funds will be reserved for applications from emerging scholars. Definitions of Terms, Emerging scholar at http://www.sshrc-crsh.gc.ca/funding-financement/programs-programmes/definitions-eng.aspx#a12

Established scholars must demonstrate how the proposed project is delineated from previous/ongoing research. http://www.sshrc-crsh.gc.ca/funding-financement/programs-programmes/insight_development_grants-subventions_de_developpement_savoir-eng.aspx

Value: $7,000 - $75,000 over 1 to 2 years

Application process:

Notify ROADS of intent to apply as soon as possible.

Beginning this year, ROADS has established an internal peer review process to allow McMaster researchers the opportunity to receive valuable feedback on their draft proposals from colleagues in areas of similar expertise. Only those draft applications received by November 26, 2018 will be eligible for peer review.

For applicants who do not wish to participate in the internal peer review process, the initial draft of the Application is due to ROADS by January 7, 2019. The final draft and a completed and signed Application Approval Form are due to ROADS by January 24, 2019.

The SSHRC application deadline is February 4, 2019.

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

Social Sciences and Humanities Research Council (SSHRC): Partnership Grants – Stage 1

The objective of the Partnership Grant is to 1) support new and existing formal partnerships, 2) advance research, research training and/or knowledge mobilization in the social sciences and humanities through a) mutual co-operation and sharing of intellectual leadership, and b) cash and/or in-kind contributions.

Specifically, Partnership Grants are intended for large teams working in formal collaboration between postsecondary institutions and/or organizations of various types.


Value:
Applicants successful at Stage 1 are funded a maximum $20,000 to aid in the preparation of a formal application.

Partnership Grants successful at Stage 2 will be provided $500,000 - $2.5 million over 4 – 7 years.

Application process:
All applications led by McMaster, and applications partnered on proposals led by other institutions, require Faculty endorsement.

Notify ROADS of intent to apply by December 7, 2018.

The draft Application is due to ROADS by January 2, 2019. The final draft and a completed and signed Application Approval Form are due to ROADS by February 5, 2019.

The SSHRC letter of intent deadline is February 15, 2019.

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

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

The objective of the Connection Grant is to support events and outreach activities geared toward short-term, targeted, knowledge mobilization initiatives.

Connection Grant 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

Connection Grants support workshops, colloquiums, conferences, forums, Summer institutes, or other events or outreach activities that facilitate:

a) disciplinary and/or interdisciplinary exchanges in the humanities and social sciences;

b) scholarly exchanges between those working in the social sciences and humanities, and those working in other research fields;

c) intersectoral exchanges between academic researchers in the humanities and social sciences, and researchers and practitioners from the public, private and/or not-for-profit sectors; and/or
d) international research collaboration and scholarly exchanges between researchers, students, and non-academic partners from other countries.

Particular importance is placed on applications proposing open-access and open-source approaches to knowledge mobilization. Proposals must also include a plan for the maintenance, lifespan, dissemination and preservation of any resulting digital data.


**Research Data Management Capacity Building Initiative**

SSHRC is offering special Connection Grants to help the Canadian social sciences and humanities research community strengthen its capacity for data management; the *Research Data Management Capacity Building Initiative*.

The initiative offers the research community (e.g., disciplinary and professional associations; institutions; individual researchers) Connection Grants to support the development, adoption, and dissemination of research data management standards, practices, tools and skills, appropriate to their field.


**Value:**

*Event* funding: maximum $25,000 over 1 year (the minimum request required is $7,000)

*Outreach Activities* funding: maximum $50,000 over 1 year

SSHRC will not fund the full cost of any Connection project. Additional support in the form of eligible cash and/or in kind contributions (excluding registration fees) equivalent to a minimum of 50% of the amount requested from SSHRC, must come from other sources (e.g., sponsoring organizations).

Applicants may draw on complementary funding from SSHRC research grants and/or other research funding agencies, however, all applicants must indicate in their budget proposal that there is no duplication of financial support for the same budget expenses. While SSHRC funds may be used in this complementary way, the funds cannot be counted toward the 50% requirement for matching funds.

**Application process:**

Notify ROADS of intent to apply by **December 14, 2018**.

The draft Application is due to ROADS by **January 11, 2019**. The final draft and a completed and signed Application Approval Form are due to ROADS by **January 25, 2019**.

The SSHRC application deadline is **February 1, 2019**.

**ROADS contact:**

Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
The objective of the **T-AP Social Innovation Call** is to support international projects that contribute to increasing our understanding of societal transformations, and the role of social innovation.

The Call brings together funding organizations from Brazil, Canada, Finland, France, Germany, The Netherlands, Poland, and the United Kingdom.

Collaborations will enable researchers to:

1) address social challenges (e.g., digital divide; urban and rural developments and cohesion; access to public services and infrastructure; ethnic conflicts; human rights and legislation; the current state of democracy; equality, social, political and human values);

2) learn from the experiences of multisectoral collaboration for social innovation practiced on both sides of the Atlantic (e.g., innovative forms of economic organization, new digital technologies and accessibility; global and local environmental issues and sustainable development; strategies for social cohesion; integration of health and social care services; improvement of education and overcoming of linguistic barriers);

3) apply and adapt approaches from one locale to another;

4) generalize and/or scale up local experiences.

The international research projects must:

a) comprise at least three eligible research partners requiring financial support from funders located in different T-AP SI participating countries; and

b) include teams from both sides of the Atlantic.

Co-applicants on the Canadian team may be individuals from any of the following:

**Canadian**: Postsecondary institutions; not-for-profit organizations; philanthropic foundations; think tanks; municipal, territorial or provincial governments.

**International**: Postsecondary institution.


**Value:**
Each team will receive a grant from its respective country and funder(s). Canadian applicants may request up to a maximum $100,000 from SSHRC for a maximum 36 months.

**Application process:**
Notify ROADS of intent to apply by **December 14, 2018**.

The draft Application is due to ROADS by **January 21, 2019**. The final draft and a completed and signed Application Approval Form are due to ROADS by **February 7, 2019**.
The Netherlands Organisation for Scientific Research/SSHRC application deadline is **February 14, 2019**.

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

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### Canadian Frailty Network: Webinars

Register for upcoming webinars, from 12:00-1:00pm (EST):

**January 9, 2019,** *New Approaches to Evaluating Frailty in Solid Organ Transplantation* — Lianne Singer, University Health Network (FRA2015-B-13)
https://register.gotowebinar.com/register/4943899451641703426

**January 23, 2019,** *Pilot study of an automated one-year mortality prediction tool to trigger Advance Care Planning* — James Downar, Ottawa Hospital Research Institute (CAT2015-16)
https://register.gotowebinar.com/register/7456538608271781890

**February 6, 2019,** *Cardiac Surgery among the Frail and Elderly Towards Optimal Decision Making* — Greg Hirsch, Nova Scotia Health Authority (FRA2015-B-22)
https://register.gotowebinar.com/register/4790965554924290

announcement site: https://www.cfn-nce.ca/webinars/

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### MaRS Discovery District: The Opioid Data Challenge

MaRS seeks to engage innovative Canadians, people and organizations of all backgrounds and skills, to propose and test new data sets, sources and methodologies to 1) better measure opioid overdoses and harms in our communities, 2) bolster existing information, and 3) enable quantification of suspected opioid overdoses that fall into any or all of the following categories:

**Category 1:** Suspected non-fatal opioid overdoses where community supports were utilized (i.e., emergency or medical services were not involved).

**Category 2:** Suspected non-fatal opioid overdoses where emergency or medical services were involved.

**Category 3:** Suspected fatal opioid overdoses.

review *The Challenge* at https://www.herox.com/OpioidDataChallenge

The challenge is divided into two phases:

**Phase 1 – Propose and Develop:** Participants will identify and propose data sources and methodologies to measure opioid overdoses occurring in a Canadian community of their choice. In addition to providing the total number of non-fatal and/or fatal overdoses, innovators will provide data on specific factors of an overdose (e.g., location and date).
**Value:** A maximum five $10,000 will be given to each challenge finalist for use in the continued development of their concept during Phase 2.

**Phase 2 – Extension:** Finalists will apply the data sources and/or methodology used in the previous phase, to a different community in Canada, to demonstrate wide-range applicability. A set of selection criteria will be provided to help guide innovators when choosing their second community.

**Value:** A maximum two $50,000 will be given to each challenge winner. The winners will also have the opportunity to scale and integrate their concepts into existing public health surveillance systems.

https://www.herox.com/OpioidDataChallenge/guidelines

**Application process:**
The MaRS Discovery District, Phase 1 submission deadline is **January 23, 2019**.

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

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**CANARIE Inc: National Data Services Framework Summit 2019**

CANARIE is an ultra-high-speed network that 1) connects Canada’s researchers, educators and innovators to each other, 2) connects global data and technology, and 3) 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.

**National Data Services Framework Summit**
**January 24-25, 2019**
Ottawa

Research Data Canada will bring together a broad stakeholder community to discuss the opportunities and challenges of building a National Data Services Framework (NDSF).

The **NDSF Summit** is a forum where the Canadian research data management community can learn, collaborate, exchange ideas, and discuss common issues with a goal of 1) developing a shared understanding of the current Canadian landscape, and 2) making recommendations for future initiatives.

announcement site: [https://www.canarie.ca/](https://www.canarie.ca/)
Ontario Centres of Excellence (OCE): (Evolution of Networked Services through a Corridor in Québec and Ontario for Research and Innovation) ENCQOR 5G Academic Technology Development Program

The OCE has recently announced intake for three new ENCQOR 5G Academic Technology Development, Challenge Statements:

1. **Network Security Project**  
   **Value:** maximum $200,000 over 3 years  

2. **Algorithms for Virtualized Network Embedding**  
   **Value:** maximum $130,000 over 2 years  

3. **Sensor-less Sensing of 5G Application Traffic**  
   **Value:** maximum $100,000 over 2 years  

   announcement site: [https://oce-ontario.org/programs/advanced-technology-platform/encqor/5g-(encqor)-technology-development-program-challenge-statements](https://oce-ontario.org/programs/advanced-technology-platform/encqor/5g-(encqor)-technology-development-program-challenge-statements)

   **Application process:**  
   The OCE expression of interest deadline is January 24, 2019.

   **Contact:**  
   McMaster Industry Liaison Office (MILO)  
   Daniela Cali, Research Contracts Coordinator, at calid@mcmaster.ca or extension 22626

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Alberta Ministry of Labour: Occupational Health and Safety (OHS) Futures – Grant Funding Program

The objective of the *OHS Futures* is to 1) support the prevention of occupational injury, illness and disease in Alberta workplaces, 2) link government with experts for the purpose of enhancing OHS knowledge and capacity within the province.  
review *Research Priorities* at [https://www.alberta.ca/ohs-futures-research-grants.aspx](https://www.alberta.ca/ohs-futures-research-grants.aspx)

   **Value:**  
   $100,000 - $250,000 multi-year projects are eligible

   **Application process:**  
   The Alberta Ministry of Labour notice of intent deadline is January 28, 2019.

   **ROADS contact:**  
   Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519
Canada Foundation for Innovation (CFI), Conversation on the future of research and research infrastructure in Canada: The role of the Canada Foundation for Innovation – Town Hall Meetings

In November the CFI shared with the community a discussion paper; *Conversation on the future of Research and Research Infrastructure in Canada: The role of the Canada Foundation for Innovation*. The CFI invited the community to answer a number of questions, related to trends, that are likely to shape how CFI will approach research and state-of-the-art infrastructure over the next ten to 20 years. Review *CONVERGENCE*, page 5, and *Questions to consider*, page 6, at [https://www.innovation.ca/sites/default/files/pdf/discussionpaper_eng_finalb.pdf](https://www.innovation.ca/sites/default/files/pdf/discussionpaper_eng_finalb.pdf)

The CFI will be holding *Town Hall Meetings* to which all institutions are invited to send attendees; university administrators (vice-presidents of research, deans, department heads and research office staff), researchers, including project leaders and key partners.

**Waterloo-Kitchener**
Crowne Plaza Waterloo-Kitchener – 105 King St. East, Kitchener, ON
**January 28, 2019**
1pm – 3pm
Kitchener #1

**Toronto**
Delta Chelsea – 33 Gerrard St. West, Toronto, ON
**January 31, 2019**
2pm – 4pm
Rossetti Room

To ensure there is enough space for attendees, select the town hall meeting you wish to attend by completing a registration form, including an email address. Register at: [http://innovation.hostedincanadasurveys.ca/index.php/587785?lang=en&_cldee=bWNpbnR5cEBtY21hc3R1ci5jYQ%3d%3d&recipientid=contact-523d47f2114ce811a95a000d3af468fb-061488d4cda24d6b911cc96591c2850d&esid=93d7047b-56fd-e811-a974-000d3af43d1a](http://innovation.hostedincanadasurveys.ca/index.php/587785?lang=en&_cldee=bWNpbnR5cEBtY21hc3R1ci5jYQ%3d%3d&recipientid=contact-523d47f2114ce811a95a000d3af468fb-061488d4cda24d6b911cc96591c2850d&esid=93d7047b-56fd-e811-a974-000d3af43d1a)

The registration deadline is **January 7, 2019**.

**Academy of Motion Picture Arts and Sciences: Academy Film Scholars**

The objective of the *Academy Film Scholars* is to support 1) significant, new works of film scholarship, and 2) English-language projects that address cultural, educational, historical, theoretical, or scientific aspects of theatrical motion pictures. Review *Eligibility* at [https://www.oscars.org/education-grants/academy-film-scholars](https://www.oscars.org/education-grants/academy-film-scholars)

Value:
$25,000
Applicants provide a timetable for completing the project.

Application process:
The Academy of Motion Picture Arts and Sciences application deadline is **January 31, 2019**.

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

Alpine Club of Canada (ACC), ACC Financial Grants: ACC Environment Grant

The objective of the **ACC Environment Grant** is to 1) support wilderness conservation; protection and preservation of mountain and climbing environments, including the preservation of alpine flora and fauna in their natural habitat; environmental improvement; 2) protect wild spaces from being lost.

Funding priority is given to projects related to the alpine and arctic environments and climbing areas in Canada.


Value:
Applicants must submit a detailed budget.

Application process:
The ACC application deadline is **January 31, 2019**.

ROADS contact:
Scott Johnston, Senior Advisor, at johnssa6@mcmaster.ca or extension 24439

Spina Bifida and Hydrocephalus Association of Canada: Research Grant

The objective of the **Research Grant** is to invite researchers and medical professionals to submit a project that addresses the medical issues, treatment, and study of those affected by spina bifida and/or hydrocephalus.

[http://sbhac.ca/research-applications/](http://sbhac.ca/research-applications/)

Value:
$10,000 - $25,000 maximum 3 years

Application process:
The Spina Bifida and Hydrocephalus Association of Canada application deadline is **January 31, 2019**.

ROADS contact:
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519
The Lung Association – Ontario and Ontario Respiratory Care Society (ORCS): ORCS Research Grant

The objective of the ORCS Research Grant is to promote research regarding any field of acute or chronic lung disease.

Research may include investigation of any phenomenon pertinent to illness assessment, management, or responses of the individual with a respiratory condition. The research may target health promotion, education, and prevention issues. Studies may use quantitative or qualitative methodologies.

The Lung Association has established focus areas: 1) asthma, 2) air quality, 3) smoking-related lung disease. Projects in these areas are encouraged, however, the primary criterion for the awarding of research monies shall be the excellence of the research proposal.


announcement site: https://lungontario.ca/research/apply

Value:

Application process:
The ORCS application deadline is February 1, 2019.

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

The Kidney Foundation of Canada, Kidney Research Scientist Core Education and National Training (KRESCENT) Program: New Investigator Award

The objective of the New Investigator Award is to 1) fund individuals who have clearly demonstrated excellence during their pre-doctoral and post-doctoral training in kidney disease, 2) provide salary support of the faculty appointment at the rank of Assistant Professor, or its equivalent, and 3) assist individuals to become established, fully independent investigators in the field of kidney disease.

The application must be initiated by the university, or the institution at which the candidate will conduct the proposed research.

The awardee must show proof of application for a grant-in-aid (or research grant) in support of the proposed research plan, at the time of this award. Such grants must be administered by peer review granting agencies, approved by the KRESCENT Program.

Value:
annual stipend $70,000 (MD or equivalent degree), or $65,000 (Ph.D. without a MD or equivalent degree), without benefits, for a maximum 3 years

It is expected that 50% of the award will be contributed by the KRESCENT Program and 50% by the host institution.

The KRESCENT program also offers to match up to a maximum $25,000 of Infrastructure Support (i.e., laboratory start-up costs and support staff).

Application process:
The Kidney Foundation of Canada application deadline is February 1, 2019.

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

Leukemia Research Foundation, Hollis Brownstein Research Grants Program: New Investigator Grants

The objective of the New Investigator Grant is to support individuals (within seven years of their first independent position) who are 1) beginning to establish their own laboratories, and 2) no longer under the tutelage of a senior scientist mentor.

The grant allows innovative scientists to act on their ideas, and try new procedures and experiments that will hopefully lead to significant breakthroughs.

https://www.allbloodcancers.org/Application-Information and https://www.allbloodcancers.org/hollis-brownstein-research-grants

Value:
maximum $100,000 for 1 year

Application process:
The Leukemia Research Foundation letter of intent deadline is February 1, 2019.

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


The aviation industry needs a fuel that will cut pollution and fight climate change.

The objective of the Green Aviation Fuels Innovation Competition is to 1) develop the jet fuel of the future (i.e., develop new ways to produce biojet fuels, e.g., sustainable sources), and 2) fight climate change.
More specifically:

a) accelerate innovation to bring down the cost of sustainable aviation fuel and reduce greenhouse gas emissions from air transportation;

b) build on Canadian strengths (e.g., forestry, agriculture, fuel production, innovation) to develop a world-class supply chain for the production of sustainable aviation fuel;

c) support Canadian leadership in clean technology innovation and the growing global market for green fuels. Promote the use of Canadian-made sustainable aviation fuel in domestic commercial flights in Canada.


Value:
Four teams will receive up to $2 million each over 18 months to support their efforts to develop the best way to scale up sustainable aviation fuel in Canada, leveraging the experience gained from the first production.

Applicants are encouraged to develop a consortium across the supply chain to support their efforts.

The winning team will receive $5 million to commercialize their innovative fuel.

Application process:
The Impact Canada application deadline is February 1, 2019.

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

Burroughs Wellcome Fund: Collaborative Research Travel Grants

The objective of the Collaborative Research Travel Grant program is to provide 1) relatively unrestricted travel funds to academic scientists at U.S. or Canadian degree-granting institutions, 2) domestic or international travel to labs to learn new research techniques, and 3) collaboration to address biomedical questions.

Applicants with a doctoral degree in the physical, mathematical, or engineering sciences working on a biological problem are encouraged to apply.

https://www.bwfund.org/grant-programs/biomedical-sciences/collaborative-research-travel-grants

Value:
maximum $15,000

Application Process:
The Burroughs Wellcome Fund application deadline is February 1, 2019.

ROADS contact:
Nathan Coschi, Senior Advisor, at coschimn@mcmaster.ca or extension 21581
Spencer (Spencer Foundation): Small Research Grants and The New Civics

Spencer has recently announced two funding opportunities:

1) **Small Research Grants**, the objective: to support academic work that will contribute to the improvement of education, broadly conceived.

   Areas of Inquiry:
   
   *The Relation between Education and Social Opportunity;*
   *Teaching, Learning and Instructional Resources;*
   *Organizational Learning in Schools, School Systems and Higher Education Systems;*
   *Purposes and Values of Education; Field-Initiated.*

   [https://www.spencer.org/small-research-grants-program-statement](https://www.spencer.org/small-research-grants-program-statement)

2) **The New Civics**, the objective: to support proposals that ask critical questions, specifically, how education can more effectively contribute to the civic development of young people.

   The ultimate aim is to contribute to educational improvement by supporting high-quality research studies that lead to better-designed, more effective programs, policies, practices and settings, that prepare young people to act and to do so in informed and reasoned ways.


**Value:**

*Small Research Grants* and *The New Civics*: $50,000 or less

**Application process:**

The Spencer application deadline is **February 1, 2019**.

**ROADS contact:**

Christina Pellegrini, Senior Advisor, at [pellegrc@mcmaster.ca](mailto:pellegrc@mcmaster.ca) or extension 27207

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**Canadian Blood Services: Intramural Research Grant Program**

The objective of the **Intramural Research Grant** is to support collaborative research projects that will 1) generate knowledge and lead to new discoveries, and 2) improve the safety and efficacy of blood products, and the blood system in general.

Project teams must include two investigators, and at least one investigator must be affiliated with Canadian Blood Services as a scientist, adjunct scientist, or medical director/officer/consultant.

**Research Priorities:**

- promoting appropriate blood product utilization;
- ensuring an adequate blood product supply;
minimizing the adverse effects of blood product transfusion;
optimizing blood product quality;
replacing or improving blood products through new therapies or technologies.

https://www.blood.ca/en/research/our-research-activities/our-research-funding-opportunities/intramural-research-grant-program

Value:
maximum $200,000 per year for 2 years

Application process:
The Canadian Blood Services registration deadline is February 1, 2019.

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

Parkinson Canada: Grants

The Parkinson Canada Research Program funds research into the cure, cause, progression, improved treatment and/or understanding of Parkinson's disease, related disorders including Multiple System Atrophy, Progressive Supranuclear Palsy, other Parkinson's conditions, and the impact these diseases have on society.

Parkinson Canada has recently announced the following funding opportunities:

1) **Pilot Project Grants**, the objective: to foster novel, high-potential projects and ideas with a trajectory for major grants with larger granting institutions.
   **Value**: maximum $50,000 for 1 year

2) **Pilot Project Grant, Targeted Competition**: Progressive Supranuclear Palsy (PSP)
   **Value**: maximum $50,000 for 1 year

3) **New Investigator Award**, the objective: to support junior faculty in a Canadian university in his/her first 5 years of their career as a research scientist in Canada.
   **Value**: $45,000 per year for 2 years

4) **Basic Research Fellowship**, the objective: to support Candidates who hold a doctoral degree (MD or PhD) and may be Canadian citizens who propose to train at an Approved Institution located inside or outside of Canada, or international applicants proposing to train at an Approved Institution located in Canada.
   **Value**: $40,000 - $50,000 per year for 2 years

https://www.parkinson.ca/research/apply-for-funding/#current

Application process:
The Parkinson Canada application deadline is February 4, 2019.

ROADS contact:
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519
Canadian Institute for Advanced Research (CIFAR): CIFAR Azrieli Global Scholars

The objective of the Azrieli Global Scholars program is to provide funding, skills training, mentorship, and opportunities to collaborate with colleagues from diverse disciplines, positioning scholars as research leaders and agents of change.

https://www.cifar.ca/research/global-scholars

Value:
maximum $100,000 for a maximum 2 years

Application Process:
The CIFAR application deadline is February 5, 2019.

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

National Multiple Sclerosis Society: Grants

Research Grants, the objective: to support studies related to multiple sclerosis that may serve to advance the mission of stopping MS progression, restoring function and improving the quality of life, and preventing MS.

The Society supports fundamental as well as applied studies, non-clinical or clinical in nature, including projects in patient management, care and rehabilitation.
https://www.nationalmssociety.org/For-Professionals/Researchers/Society-Funding/Research-Grants

Value: Applicants submit a budget per year.
Application process: The National Multiple Sclerosis Society pre-application deadline is February 6, 2019.

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

Burroughs Wellcome Fund: Innovation in Regulatory Science

The objective of the Innovation in Regulatory Science is to support academic researchers developing new methodologies, or innovative approaches in regulatory science, that will ultimately inform the new regulatory decisions the FDA and others will make.

This opportunity would necessarily draw upon the talents of individuals trained in mathematics, computer science, applied physics, medicine, engineering, toxicology, epidemiology, biostatistics, and systems pharmacology.

https://www.bwfund.org/grant-programs/regulatory-science/innovation-regulatory-science
Value: maximum $500,000 over 5 years

Application process: The Burroughs Wellcome Fund application deadline is February 6, 2019.

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

Canadian Hemophilia Society (CHS): Grant

The CHS has announced the following funding opportunity:

*CHS – Bayer – ADVANCE Canada Research Program*, the objective: to engage Canadian hemophilia treaters in activities to identify and research key issues in the ageing hemophilia population.

Collaboration with multidisciplinary care providers and/or between two or more hemophilia centres is accepted and encouraged. Collaboration efforts are welcome as co-applicants and may include, for example, nursing, social work, physical therapy and genetics. Inter-regional applications will be considered.

review Interest areas and methodologies at [https://www.hemophilia.ca/research-chs-bayer-advance-canada-research-program/](https://www.hemophilia.ca/research-chs-bayer-advance-canada-research-program/)

Value: one or two $30,000 research grants to a maximum $60,000 for 1 year

Application process: The CHS application deadline is February 8, 2019.

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

World Wood Day Foundation: Research Grant

The objective of the Research Grant is to invite applications from scholars and graduate students that focus on "Wood and Culture". The WWDF supports interdisciplinary and integral investigation for exploring how wood has played a prominent role in human life.

Ongoing projects and new initiatives are encouraged. The proposals will be evaluated on their originality and scholarly excellence by a group of professionals from various disciplines.

[http://www.worldwoodday.org/2019/researchGrant](http://www.worldwoodday.org/2019/researchGrant)

Value: maximum $12,000 USD

Application process: The application deadline is February 11, 2019.

ROADS contact: Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
Orthopaedic Trauma Association (OTA): Research Grants

The OTA has recently announced the following funding opportunities:

1. **OTA Member, Full Grant Pre-proposal**, the objective: to support any research issue related to musculoskeletal trauma (excluding product development).
   a) Clinical Research, value: $40,000 per year, maximum 2 years
   b) Basic Research, value: $25,000 per year, maximum 2 years
   c) Directed Topic Research, value: $40,000 per year, maximum 2 years, in the following clinical topics:
      - Indications, utilization, and safety of local antibiotic delivery in orthopaedic trauma care
      - Systemic and healing responses to musculoskeletal trauma in the elderly
      - Tissue (bone, muscle, tendon, ligament, cartilage) regeneration and repair after musculoskeletal trauma

   **Application process:**
   The OTA application deadline is **February 11, 2019**.
   [https://ota.org/research/grants/ota-member-full-research-grant](https://ota.org/research/grants/ota-member-full-research-grant)

2. **OTA/AOTNA Joint Research Grant**, the objective: to support clinical patient-centered outcomes, clinical or basic science musculoskeletal infection.

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

   [https://ota.org/research/grants/otaaotna-joint-research-grant](https://ota.org/research/grants/otaaotna-joint-research-grant)

   **Application process:**
   The OTA application deadline is **February 11, 2019**.

   announcement site: [https://ota.org/research/grants](https://ota.org/research/grants)

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at [viscarvl@mcmaster.ca](mailto:viscarvl@mcmaster.ca) or extension 24519

### Grand Challenges Canada: OPTions Innovation Initiative

The objective of the **Options for Pregnancy Termination (OPTions)** Innovation Initiative is to support 1) bold ideas with big impact, 2) women’s and girls’ access to safe abortion in low- and middle-income countries, and 3) innovative and transformative approaches that put women and girls in control of where, when, and how they terminate their pregnancy.

The focus of this call is to support the development and testing of:

- new approaches to increasing early access to existing abortion products and services; and
- new methods of pregnancy termination.
announcement site: https://www.grandchallenges.ca/funding-opportunities/

Value:
Seed Grants, maximum $250,000 CAD for 18 - 24 months

Application process:
The Grand Challenges Canada application deadline is **February 12, 2019.**

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

**Wabash Center: Project Grants**

The objective of the *Project Grant* is to support activities that enhance teaching and learning in the fields of religion and theology. Project grants support projects that either:

- improve teaching and learning practices
- encourage research and study of pedagogical issues
- nurture supportive teaching environments.

The following is available:

**Small Project Grants** (review [https://www.wabashcenter.wabash.edu/wabash-grants/small-project-grants/](https://www.wabashcenter.wabash.edu/wabash-grants/small-project-grants/))

**Large Project Grants** (review [https://www.wabashcenter.wabash.edu/wabash-grants/project-grants/](https://www.wabashcenter.wabash.edu/wabash-grants/project-grants/))

Value:

**Small Project Grants:** up to $5,000

**Large Project Grants:** up to $30,000

Application Process:
The Wabash Centre application deadline for Small Project Grants is **any time** during the year. The deadline for Large Project Grants is **February 15, 2019.**

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

**World Anti-Doping Agency (WADA): Call for Proposals, 2019 Scientific Research Grants**

The objective of the *Scientific Research Grant* is to 1) support innovative, fact-based research, 2) promote projects regarding development, or optimization of analytical tools for the detection and/or quantification of doping substances or methods, 3) identify new trends in doping, new drugs, new delivery mechanisms, and 4) consolidate the *Athlete Biological Passport* (ABP), as well as, the pharmacology of prohibited substances and drug cocktails.

Higher priority will be granted to proposals addressing:

- detection of peptide hormones and growth factors;
- improved window or limits of detection for prohibited substances/methods (e.g., detection of new long-term metabolites, improved methodologies of detection, etc.);
- autologous blood transfusions; and
- the ABP (e.g., new biomarkers and target analytes of the ABP including its hematological, steroidal and endocrine modules).

The Health, Medical and Research Committee has identified relevant areas of research in the field of anti-doping; in particular, those related to the 2019 List of Prohibited Substances and Methods at


**Value:**
Applicants submit a budget for a maximum 3 years.

**Application process:**
The WADA application deadline is **February 15, 2019**.

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

**Fields Institute for Research in Mathematical Sciences: Proposals for Outreach Activities**

The objective of the Outreach Activities is to support projects that promote mathematical culture at all levels, and bring mathematics to a wider audience.

http://www.fields.utoronto.ca/resources/outreach-activity-proposals

**Value:**
maximum $25,000

**Application process:**
The Fields Institute application deadline is **February 15, 2019**.

Deadlines for submission of proposals for outreach activities are **June 15** and **October 15** of each year. A lead-time of at least 9 months is requested between the deadline for submission and the date of the event. Decisions are normally announced within 4 weeks of each deadline.

**ROADS contact:**
Nathan Coschi, Senior Advisor, at coschimn@mcmaster.ca or extension 21581
Graham Foundation: Grants to Organizations

The objective of the *Grants to Organizations* is to:

1. assist with the production/presentation of significant programs regarding architecture and the designed environment to promote dialogue, raise awareness, and develop new and wider audiences;

2. support organizations in their effort to take risks in programming and create opportunities for experimentation;

3. recognize the vital role organizations play in providing individuals with a public forum in which to present their work.

review *Priorities and Criteria* at [http://www.grahamfoundation.org/grant_programs?mode=organization](http://www.grahamfoundation.org/grant_programs?mode=organization)

The Graham Foundation offers *Production and Presentation Grants*. These grants assist organizations with the production-related expenses that are necessary to take a project from conceptualization to realization, and public presentation. The projects include, but are not limited to:

- publications;
- exhibitions;
- installations;
- films;
- new media projects;
- conferences/lectures and other public programs.

**Value:**
maximum $30,000

Production and Presentation Grants must be completed within 2 years of the project start date.

**Application process:**
The Graham Foundation application deadline is **February 25, 2019**.

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

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Canadian Asthma, Allergy and Immunology Foundation (CAAIF): Grants

The CAAIF has recently announced the following funding opportunities:

1) **CAAIF Food Allergy Research Grant**, the objective: to support food allergy related research. This competition may be a means of securing seed or supplemental funding for larger projects, or to initiate an innovative project idea that requires preliminary data, before a larger grant application can be made.

[https://www.allergyfoundation.ca/applications](https://www.allergyfoundation.ca/applications) and [https://docs.wixstatic.com/ugd/36acda_6e31fd33ed504faa8e22a3a2f2ebbbcc.pdf](https://docs.wixstatic.com/ugd/36acda_6e31fd33ed504faa8e22a3a2f2ebbbcc.pdf)

**Value:** one grant, maximum $25,000, for 1 year
2) Aralez Pharmaceuticals Canada Inc. and CAAIF Research Grant in Allergic Rhinitis or Urticaria
This competition may be a means of securing seed or supplemental funding for larger projects, or to initiate an innovative project idea that requires preliminary data, before a larger grant application can be made.  
https://www.allergyfoundation.ca/applications and  
https://docs.wixstatic.com/ugd/36acda_f7f790ba827d46b1a9a19076ac44297c.pdf
Value: one grant, maximum $50,000 for 1 year

Application process:
The CAAIF application deadline is **February 28, 2019**.

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

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**Banting Research Foundation: Discovery Award**

The objective of the **Discovery Award** is to support outstanding, new investigators (i.e., investigators who are within the first three years of their independent appointment at a university/research institute in Canada) in any area of health and biomedical research.

The award provides seed funding to gather pilot data to enhance competitiveness for other sources of funding.

The application must be accompanied by a letter of nomination from the applicant’s host department or division head that:

1. confirms all eligibility criteria have been met (review Eligibility at https://www.bantingresearchfoundation.ca/grants/guidelines/);
2. details the operating and the institutional start-up funds available to the applicant;
3. confirms the candidate has been provided the space and access to institutional infrastructure necessary to conduct the proposed research;
4. details a mentorship plan, including the name of a mentor, who will assist the applicant in launching their career by a) providing guidance with formulating research proposals, and b) defining career goals and the timelines required to achieve them.

A department/division head will be permitted to nominate only one potential applicant during each annual granting cycle.

announcement site:  https://www.bantingresearchfoundation.ca/grants/

Value:
maximum $25,000 for 1 year from July 1, 2019 to June 30, 2020

Application process:
The Banting Research Foundation application deadline is **March 15, 2019**.

ROADS contact:
Miky (Mihaela) Dumitrescu, Senior Advisor, at dumitrm@mcmaster.ca or extension 21548
Department of Defense (DoD), Congressionally Directed Medical Research Programs: FY19 Amyotrophic Lateral Sclerosis Research Program (ALSRP)

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 through 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. Review *Examples of activities, II.B. Award Information*, page 3 at [https://cdmrp.army.mil/funding/pa/FY19-ALSRP-TDA.pdf](https://cdmrp.army.mil/funding/pa/FY19-ALSRP-TDA.pdf)

Applications supported by this award must begin with lead compounds in hand and must include preliminary data relevant to the phase of development. Review page 4, *Proof of identity and purity* etc. at [https://cdmrp.army.mil/funding/pa/FY19-ALSRP-TDA.pdf](https://cdmrp.army.mil/funding/pa/FY19-ALSRP-TDA.pdf)

The additional *Therapeutically Relevant Marker Option* encourages applicants to develop a specific marker(s) in parallel with the advanced therapeutic development effort. Additional funding is being offered for the co-development of markers that will enhance the drug development process. Efforts may include development of objective pharmacodynamic biomarkers to measure the biological effect of an investigational therapeutic, or predictive/cohort-selective biomarkers that indicate whether a specific therapy will be effective in an individual patient, or patient subgroup.

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

2) *Therapeutic Idea Award*, the objective: to support 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.

Identification of treatment approaches using biological correlates of disease activity and progression in pre-existing, de-identified human specimens from well-characterized, adequately controlled, and sufficiently powered patient cohorts is encouraged.


**Value:** maximum $500,000 over a maximum 2 years

announcement site: [https://cdmrp.army.mil/funding/alsrp](https://cdmrp.army.mil/funding/alsrp)
Application process:
The DoD pre-application deadline is March 22, 2019.

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


The objective of the Applied Research Competition is to 1) support studies that expand the body of knowledge related to autism intervention and treatment, 2) produce practical and clearly objective results, 3) impact public policy, and 4) provide outcomes that offer to enhance quality of life for persons with autism, and their families.

The OAR has placed an emphasis on research that addresses the following targeted areas:

- Community-Based Assessment and Intervention for Challenging Behavior
- Effectiveness of Augmentative Communication Systems
- Improving Access to and Effectiveness of Existing Systems and Services
- Integrated Employment
- Intersectionality, Equity and Diversity
- Mental Health Assessment and Intervention
- Mid-life and Older Adults
- Residential/Community Services and Supports

https://researchautism.org/research-grants/apply-for-a-grant/applied-research/ and https://researchautism.smapply.io/prog/applied_research_competition/

Value:
maximum $40,000 over 1-2 years

Application process:
The OAR pre-proposal deadline is March 25, 2019.

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

Government of Canada, Innovation, Science and Economic Development Canada: Accessible Technology Program

The objective of the Accessible Technology Program is to address the need for more assertive technologies for persons with disabilities.
**Value:**
maximum $22.3 million for a maximum of 5 years

**Application process:**
The Government of Canada application deadlines are:
- **June 2, 2019** to receive funding starting late 2019-20;
- **January 2, 2020** to receive funding starting early 2020-21;
- **June 2, 2020** to receive funding starting late 2020-21;
- **January 2, 2021** to receive funding starting early 2021-22
- **June 2, 2021** to receive funding starting late 2021-22

**Contact:**
Gay Yuyitung, Executive Director, McMaster Industry Liaison Office (MILO), at yuyitun@mcmaster.ca or extension 23164

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**ICLR AND MEOPAR Call for Proposal – 2018 Spring Flooding**

The Institute for Catastrophic Loss Reduction (ICLR) and the Marine Environmental Observation Prediction and Response (MEOPAR) Network of Centres of Excellence invite proposals from social scientists to quickly deploy to a disaster-affected area in the aftermath of an extreme event to collect perishable data.

The objective: to support research that will learn from disaster events in order to better prevent disasters and protect communities in the future. This joint funding opportunity is being made available under the ICLR Quick Response Program (QRP) and MEOPAR’s Prompt Data Collection Program (PDC).


**Value:**
Applicants are required to submit a budget that cannot exceed $5,000 for a QRP application or $10,000 for a PDC application.

**Application Process:**
There is no fixed deadline for submitting proposals, proposals are submitted and reviewed on an ongoing basis. Notify ROADS of intent to apply as soon as possible.

**ROADS Contact:**
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
McMaster University, McMaster Institute for Research on Aging (MIRA): Funding Opportunities

Canadian Longitudinal Study on Aging (CLSA): Call for Proposals

The CLSA is a large, national, long-term study of more than 50,000 men and women who were between the ages of 45 and 85 when recruited. These participants will be followed until 2033, or death.

The aim of the CLSA is to find ways to help us live long and live well, and understand why some people age in healthy fashion while others do not. https://www.clsa-elcv.ca/about-us and https://www.clsa-elcv.ca/data-access/data-access-application-process

Researchers must notify Laura Harrington, Managing Director, MIRA, of their intent to apply for CLSA data access to be considered for MIRA funding. MIRA funds are allocated only to projects that do not have any other funding for this purpose.

MIRA membership is required to be eligible.

Data access applications are accepted three times per year.

announcement site: https://mira.mcmaster.ca/research/funding-opportunities

Value:
MIRA can support access fees of $3,000 for a maximum 10 applications.
Applications are accepted on a rolling basis.

Contact:
Laura Harrington at harrinl@mcmaster.ca

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

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.


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

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 centered 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

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

McMaster Institute for Research on Aging - MIRA AND LCMA Matching Funds for Research Opportunities

In order to improve the positioning of McMaster’s researchers in external funding competitions, MIRA and the Labarge Centre for Mobility in Aging (LCMA) have allocated funding that could be used to match or leverage external funds. The process for requesting these funds can be found by following the link below. This process is intended to be used for requests related to externally funded, peer-reviewed grant competitions that require a matching component.
Value:
Matching funds up to $100,000

Application Process:
Submissions to MIRA should be sent to MIRAinfo@mcmaster.ca at least one month before the grant submission is due.

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

Global Water Futures (GWF): GWF Affiliate Project

The objective of the GWF Affiliate Project is to 1) support opportunities to new and existing GWF researchers, 2) enhance existing research, or 3) present new research. The opportunities may contribute strategically towards the GWF vision, mission and goals.

review GWF, About Us at https://gwf.usask.ca/about/about-us.php

The GWF seeks to provide in-kind support to projects and to benefit from the linkages wherever possible.

https://gwf.usask.ca/join-us/call-for-projects.php

Value:
review Benefits at https://gwf.usask.ca/join-us/call-for-projects.php#Criteria

Application process:
The Project Description has no deadline.

ROADS contact:
Praem Mehta, Research Project Coordinator, at mehtap5@mcmaster.ca or extension 20896

Le Secrétariat du Québec aux relations canadiennes (SQRC): Research Support Program on Intergovernmental Affairs and Québec Identity (PSRAIIQ)

The objective of the Research Support Program is to fund the development and dissemination of knowledge contributing to a better understanding of Québec, and its Canadian relations.

The Intergovernmental Affairs component primarily supports projects that will 1) contribute to the promotion of Canadian intergovernmental relations, based on the respect of the Constitution and the recognition of Québec’s specificity, and 2) enhance the reflection and discussion on intergovernmental issues in Canada.

Value:
The grant is determined on the basis of the result of the evaluation, and taking into account the orientation and priorities of the SQRC.

Grants of less than $15,000 are paid in a single instalment. Grants of $15,000 or more are paid in two instalments: 80% of the grant is paid after confirmation of the approval of the project by the SQRC; 20% at the end of the project upon acceptance of the final report by the SQRC.

Application process:
There is no deadline for submission of projects.

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

Canada Foundation for Innovation (CFI): Research Facilities Navigator

The objective of the Research Facilities Navigator is to provide a searchable, online directory of research facilities in universities, colleges and hospitals across Canada, that are open to working with business.

This past Summer, the CFI responded to interest expressed from institutions to list facilities with cutting-edge equipment, that is not CFI-funded, in the Research Facilities Navigator.

The CFI now invites research facilities to post a free online profile in the Navigator.

https://navigator.innovation.ca/en

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 opportunity:

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/

Value:
for projects requiring less than $75,000 and fewer than 6 months to complete

Application process:
The PCC accepts Micro-Grant requests year-round.

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

ROADS contact:
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519
CIHR, NSERC, SSHRC and the Canada Foundation for Innovation, Invitation for Feedback: Prioritizing Future Challenges for Canada

Canada’s three research granting agencies, the Canadian Institutes of Health Research, the Natural Sciences and Engineering Research Council of Canada, the Social Sciences and Humanities Research Council of Canada, and the Canada Foundation for Innovation, are seeking your expertise to help prioritize which future challenges identified through a recent horizon scan are considered most important for Canada.

The scan has identified 16 future challenges with the potential to shape society in profound ways, which are all multi-disciplinary and require broad collaboration to address.

The granting agencies ask that you select one top challenge, and explore its possible impacts through a brief survey. For the challenge you select, you will be asked a series of questions. You will have the option of repeating the exercise for a challenge you deem of next-most importance.

Beyond the 16 challenges identified in the horizon scan, you have the opportunity to identify additional challenges deemed critical to Canada’s future.

The granting agencies are inviting input from a variety of individuals across the academic, private, public and not-for-profit sectors, in Canada and internationally.

By taking part in their brief prioritization exercise, using the Futurescaper crowdsourcing tool, you will help to identify which challenges to consider for possible future programming and/or corporate activities. Once you have reviewed the 16 future challenges, the exercise will take you approximately 10 - 15 minutes to complete.

To begin, please follow this link: FUTURE CHALLENGES PRIORITIZATION

Results of this foresight exercise will be available by Spring 2019. Responses are anonymous and results will be aggregated to ensure anonymity.

Institute for Catastrophic Loss Reduction (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. 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. 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/)

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

Application Process:
Applications can be submitted throughout the year.

2. 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

Natural Sciences and Engineering Research Council of Canada (NSERC): NSERC Committee Membership

The Research Office for Administration, Development & Support (ROADS) encourages you to consider joining NSERC Committees. Being a Committee Member is a valuable experience that demonstrates your involvement in the community and peer evaluation process, and highlights your expertise in your field.

NSERC invites the Canadian research community (i.e., universities, scientific societies, governments and companies) to submit the names of individuals for possible service on its program-related standing committees, and its various selection committees and panels.

Nominees should be individuals who:

a) are known and respected for their capabilities;
b) know and understand Canadian university-based research;
c) display both breadth and depth of understanding and knowledge in their field and beyond;
d) exercise good judgement; and

e) are able to recognize value to Canada as a whole.


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