In this issue:

- **Global Affairs Canada: Partnerships for Her Voice, Her Choice** - Notify ROADS of Intent to Apply by April 4, 2018; Global Affairs Canada Preliminary Proposal deadline May 1, 2018
- **Canada Council for the Arts: Killam Research Fellowships** – Applicants must notify ROADS of Intent to Apply by April 9, 2018; Application deadline May 15, 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
- **Government of Canada, Natural Resources Canada, Emerging Renewable Power Program: Action on Emerging Renewable Power** – Application deadline April 20, 2018
- **Wenner-Gren Foundation: Post-Ph.D. Research Grants** – Application deadline May 1, 2018
- **The Michael J. Fox Foundation: Targeted Funding Opportunities** – Webinar May 10, 2018; Pre-Proposal deadline May 31, 2018
- **Brain Tumor Funders’ Collaborative, American Brain Tumor Association, Brain Tumour Foundation of Canada, James S. McDonnell Foundation, Pediatric Brain Tumor Foundation, The Sontag Foundation: Immunotherapy for Primary Human Brain Tumors** – Pre-Proposal deadline May 11, 2018
- **Government of Canada, Environment and Climate Change Canada: Low Carbon Economy Challenge** – Expression of Interest deadline May 14, 2018
- **RELX Group: RELX Group Environmental Challenge** – Application deadline May 14, 2018
- **McMaster University, McMaster Institute for Research on Aging, Labarge Centre for Mobility in Aging (LCMA): Grants** – Application deadlines May 31, June 11, 2018
- **Harry Frank Guggenheim Foundation: Research Grants** – Application deadline August 1, 2018

Please contact Susan Gordon, Research Information Specialist, at gordosc@mcmaster.ca or extension 23138 if you would like to subscribe/unsubscribe to the Funding Opportunities Bulletin mailing list or if you would like assistance searching for funding opportunities. Recent issues of the Bulletin may also be found on our website at [http://roads.mcmaster.ca/bulletin](http://roads.mcmaster.ca/bulletin).

**Join Community of Science (COS) Pivot:** an up-to-date database of funding opportunities from around the world, create your Pivot account at [https://pivot.cos.com/session/login/help](https://pivot.cos.com/session/login/help).

**Use Pivot to find a McMaster expert:** [http://pivot.cos.com/profiles/main](http://pivot.cos.com/profiles/main).

Previously announced:

- **Natural Sciences and Engineering Research Council of Canada (NSERC):** Collaborative Research and Training Experience Program (CREATE) – Webinar Slides; Notify Department Chair, Associate Dean Research, as well as ROADS of Intent to Apply by February 26, 2018; NSERC Letter of Intent deadline May 1, 2018

- **Social Sciences and Humanities Research Council (SSHRC):** Connection Grants – Notify ROADS of Intent to Apply by March 13, 2018; SSHRC Application deadline May 1, 2018

- **Genome Canada:** Large Scale Applied Research Project Competition – Information Session April 5, 2018

- **Ontario Ministry of Research, Innovation and Science:** Early Researcher Awards Round 14 – Notify Department Chair, Associate Dean Research and ROADS of Intent to Apply by April 9, 2018; Notice of Intent deadline June 1, 2018

- **Government of Canada, Canadian Space Agency:** Investigating Spaceflight Health Risks on the International Space Station (Life Science Research System, Announcement of opportunity, LSRS AO 2018) – Webinar April 12, 2018; Application deadline April 26, 2018

- **Azrieli Foundation and Brain Canada:** Early-Career Capacity Building Grants – Application deadline April 17, 2018

- **Canada-European Commission:** Request for Applications, European Commission International Flagship Collaboration with Canada for human data storage, integration and sharing to enable personalized medicine approaches – Application deadline April 18, 2018

- **Weston Brain Institute, Rapid Response:** Canada 2018 - Alzheimer’s & Related Diseases – Letter of Intent deadline April 19, 2018

- **SickKids Foundation, National Grants:** New Investigator Research Grants – Application deadline April 20, 2018

- **Brain Tumour Foundation of Canada:** 2018 Brain Tumour Research Grant – Application deadline April 27, 2018

- **Scottish Rite Charitable Foundation:** Major Research Grants – Application deadline April 30, 2018

- **Mitacs:** Globalink Research Award – apply by May 2018

- **Association for the Sociology of Religion:** Joseph H. Fichter Research Grant Competition – Application deadline May 1, 2018

- **Crohn’s & Colitis Foundation:** Grants – Letter of Intent deadline May 1, 2018
- **Spencer (Spencer Foundation): Small Research Grants and The New Civics – Application deadline May 1, 2018**

- **Bill & Melinda Gates Foundation, Global Grand Challenges: Grand Challenges Explorations (Round 21)- Application deadline May 2, 2018**

- **Bill & Melinda Gates Foundation, Global Grand Challenges: Campylobacter spp. Transmission Dynamics in Low- and Middle-Income Countries – Letter of Inquiry deadline May 2, 2018**

- **Misk Foundation and the Bill & Melinda Gates Foundation: Misk Grand Challenges – Application deadline May 2, 2018**

- **Government of Canada, Natural Resources Canada: Clean Energy for Rural and Remote Communities: BioHeat, Demonstration & Deployment Program Streams – Registration as soon as possible, Application deadline May 17, 2018**

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

- **ALS Canada: ALS Canada Project Grant Program 2018 – Application deadline June 8, 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, Simons Foundation Autism Research Initiative (SFARI): SFARI Explorer Award – 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.**
Global Affairs Canada: Partnerships for Her Voice, Her Choice

The objective of the *Partnerships for Her Voice, Her Choice* is to support Canadian organizations working to improve comprehensive sexual and reproductive health and rights (SRHR) focus: women and adolescent girls

The project proposal must contribute to at least two of the following intermediate outcomes:

1) increased utilization of gender-responsive and adolescent-friendly comprehensive sexuality education, and sexual and reproductive health services;
2) improved provision of gender-responsive and adolescent-friendly comprehensive sexuality education, and sexual and reproductive health services;
3) reduced sexual and gender-based violence including child, early and forced marriage, and female genital mutilation and cutting;
4) increased government and civil society responsiveness to the SRHR of women and adolescent girls.

The project’s theory of change should also support:

- increased knowledge of SRHR issues and services among women and adolescent girls, men and boys, and community members;
- improved availability of quality sexual and reproductive health services including referral services for women and adolescent girls;
- increased capacity of facility and community health providers to deliver gender responsive and adolescent-friendly sexuality education, and sexual and reproductive health services (including family planning and contraception, safe abortion where legal and post-abortion care, HIV/AIDS/STDs and sexual and reproductive health training);
- increased capacity of government facilities and civil society organizations to use evidence-based, gender-responsive, adolescent and youth-friendly planning and management to develop policies and regulations for sexual and reproductive health services;
- increased ability of women, male and female youth, adolescent leaders and community members to participate in decision-making spaces, and advocate for women’s and adolescent SRHR.

The project must take place in one or more Official Development Assistance (ODA)-eligible countries as listed in the Partners@International portal of Global Affairs Canada.


**Value:**
minimum $2 million - maximum less than $20 million, over a minimum 2 years - maximum no more than 5 years
Application process:
Notify ROADS of intent to apply by April 2, 2018.

Global Affairs Canada has limited the number of Preliminary Proposals. McMaster may only submit one.

Should more than one applicant express their intent to apply (by April 2) all potential applicants will be required to submit a draft proposal for an internal selection process by April 13, 2018. Global Affairs Canada has advised that applications should be submitted on April 27, 2018, at the latest, to avoid technical difficulties.

The Global Affairs Canada preliminary proposal deadline is May 1, 2018.

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

Canada Council for the Arts: Killam Research Fellowships

The objective of the Killam Research Fellowship is to provide release time from teaching and administrative duties to scholars of exceptional ability, who 1) have published the results of their research in substantial publications in their field, 2) are engaged in research projects of broad significance and widespread interest within the disciplines of the humanities, social sciences, natural sciences, health sciences, engineering, or studies linking any of these disciplines.

The fellowship is given to individual scholars who wish to pursue independent research. Typically, a fellowship recipient is a full professor in a Canadian university with significant teaching and/or administrative responsibilities.

Killam Research Fellows are expected to continue contributing to the Canadian research community after they have completed their fellowship project.

Applications must be submitted by individuals and not by their institutions, however, applicants must obtain their approval.

http://canadacouncil.ca/funding/prizes/killam-research-fellowships

Value:
release time: $70,000 per year for 2 years beginning no later than January 1 following notification of the fellowship

The fellowships are awarded to individuals, however, the funds are paid to and administered by the Canadian university or research institute that employs them. The funds assist the institution to cover the costs of replacement (while still paying regular salary and benefits to the fellowship recipient).

Support for research and laboratory costs must come from other sources.

Application process:
Applicants must notify ROADS of intent to apply by April 9, 2018.
The Canada Council for the Arts application deadline is **May 15, 2018**.

**ROADS contact:**  
Grace Kim, Assistant Director, at [kimps@mcmaster.ca](mailto:kimps@mcmaster.ca) or extension 24765

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**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](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](mailto:pellegrc@mcmaster.ca) or extension 27207

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**Government of Canada, Natural Resources Canada, Emerging Renewable Power Program: Action on Emerging Renewable Power**

The objective of this funding opportunity is to support large size, utility-scale, power projects using emerging renewable electricity technologies that 1) have been widely deployed abroad, however, have yet to gain a foothold in Canada, or 2) have been successfully demonstrated in Canada and are now ready for commercial deployment.
Eligible technologies include:

- offshore wind;
- geothermal power;
- concentrated photovoltaic;
- instream tidal;
- other emerging renewable power technologies.

Strategic environmental assessments for energy planning purposes may also be funded.

https://www.nrcan.gc.ca/energy/funding/20502

**Value:**
Applicants may request up to 50% of their total project expenditures to a maximum $50 million. Funding for the program is available for projects between April 1, 2018 and March 31, 2023.

**Application deadline:**
The Natural Resources Canada application deadline is **April 20, 2018**.

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

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**Wenner-Gren Foundation: Post-Ph.D. Research Grants**

The objective of the *Post-Ph.D. Research Grant* is to 1) support basic research in anthropology, 2) ensure the discipline continues to be a source of vibrant and significant work, 3) further our understanding of humanity's cultural and biological origins, development and variation, 4) support research that demonstrates a clear link to anthropological theory and debates, and promises to make a solid contribution to advancing the ideas.

There is no preference for any methodology, research location, or subfield. The Foundation particularly welcomes proposals that employ a comparative perspective, can generate innovative approaches or ideas, and/or integrates two or more subfields.

Review **Eligibility**, http://www.wennergren.org/programs/post-phd-research-grants/eligibility

http://www.wennergren.org/programs/post-phd-research-grants

**Value:**
maximum $20,000 USD
There is no time limit on the duration of the grant and funding may be requested to cover distinct research phases (e.g., two Summers) if this is part of the research design.

**Application process:**
The Wenner-Gren Foundation application deadline is **May 1, 2018**.

**ROADS contact:**
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
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](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](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](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](https://www.michaeljfox.org/research/grant-detail.php?id=37)

**Webinar** (for all the above)
**May 10, 2018** at 12:00pm-1:00pm
Register: [https://www.michaeljfox.org/understanding-parkinsons/webinar-registration.php?id=38&e=1635395&k=1AD2D63CFE01AA61356D571F609020CC](https://www.michaeljfox.org/understanding-parkinsons/webinar-registration.php?id=38&e=1635395&k=1AD2D63CFE01AA61356D571F609020CC)

[https://www.michaeljfox.org/research/apply-for-grant.html](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 vscarvl@mcmaster.ca or extension 24519

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**Brain Tumor Funders’ Collaborative (BTFC), American Brain Tumor Association, Brain Tumour Foundation of Canada, James S. McDonnell Foundation, Pediatric Brain Tumor Foundation, The Sontag Foundation: Immunotherapy for Primary Human Brain Tumors**

The BTFC is requesting proposals on the role of the neuro-immune system in the origin and progression of the immune responses in primary human brain tumors, with the hope of developing immunotherapies for treatment of these tumors in pediatric and/or adult human patients.

The objective of this funding opportunity is to support initiatives focused on 1) understanding the complex dynamics among the constituents comprising the human neuro-immune system, 2) the heterogeneity of the primary brain tumor, and 3) the brain environment.


**Value:**
maximum $250,000 per year for 3 years

**Application process:**
The BTFC pre-proposal deadline is **May 11, 2018**.

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at vscarvl@mcmaster.ca or extension 24519
Government of Canada, Environment and Climate Change Canada: Low Carbon Economy Challenge

The objective of the Low Carbon Economy Challenge is to support projects that directly reduce greenhouse gas emissions (GHG) while supporting clean growth.

All projects considered under the Challenge will need to ensure the targeted emission reductions meet the following key guiding principles:

1) materiality (i.e., tangible and measurable GHG emissions reductions);
2) incrementality (i.e., in addition to existing actions);
3) contribution towards Canada’s 2030 emission reduction target of 30% below 2005 levels; and
4) cost-effectiveness.


The Challenge consists of two streams:

(current) Champions stream: provides funding to all eligible applicants (provinces and territories, municipalities, Indigenous communities and organizations, businesses and not-for-profit organizations);

(to be announced later 2018) Partnerships stream: funding is limited to Indigenous communities and organizations, small and medium-sized businesses, not-for-profit organizations and small municipalities.

Applicants are encouraged to apply to each stream.


Value:
Champions stream: minimum $1 million, maximum $50 million
The maximum percentage of total project costs the federal government can contribute toward a project for not-for-profit organizations is 40%.

review Frequently asked questions, How much is the Government of Canada going to contribute to individual projects?:

All activities must be completed between the date of the signature of the funding agreement and March 31, 2022.

Application process:
The Environment and Climate Change Canada expression of interest deadline is May 14, 2018.

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

The objective of the *Environmental Challenge* is to support projects that advance sustainable access to safe water where it is presently at risk and/or access to improved sanitation, and include the following criteria:

- be replicable, scalable and sustainable, and set a benchmark for innovation;
- have practical applicability;
- address non-discrimination/equity of access;
- involve and impact a range of stakeholders;
- have local/community-level engagement.

All projects must have clear practical applicability, address identified need, and advance related issues such as health, education, or human rights.


**Value:**
First place entry: $50,000
Second place entry: $25,000

The winners also receive free access for one year to *ScienceDirect*, the Scientific, Technical & Medical business’ database of full text scientific information.  
[https://www.sciencedirect.com/](https://www.sciencedirect.com/)

**Application process:**
The RELX Group application deadline is **May 14, 2018**.

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

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](http://mira.mcmaster.ca/docs/default-source/Documents-and-Files/2018planninggrants_may310c020e45b7f266cc881aff0000960f99.pdf?sfvrsn=0) and
[http://mira.mcmaster.ca/research/funding-opportunities](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**.

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

**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/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

*Previously announced:*

**Natural Sciences and Engineering Research Council of Canada (NSERC): Collaborative Research and Training Experience Program (CREATE)**

Access the NSERC *CREATE* webinar slides: [http://nsercofcanada.adobeconnect.com/p1v1842ki7nq/?OWASP_CSRFTOKEN=4bb1084b3b9b7c2d4a20cc8abc8a235371ac48ce11e9274a71fa58b2671b257d](http://nsercofcanada.adobeconnect.com/p1v1842ki7nq/?OWASP_CSRFTOKEN=4bb1084b3b9b7c2d4a20cc8abc8a235371ac48ce11e9274a71fa58b2671b257d)

The objective of the *CREATE* program is to support the training of teams of highly qualified students and postdoctoral fellows from Canada, and abroad, through the development of innovative training programs that 1) encourage collaborative and integrative approaches, 2) address significant scientific challenges associated with Canada’s research priorities, and 3) facilitate the transition of new researchers from trainees to productive employees in the Canadian workforce.

The training programs should encourage the following, as appropriate:

a) student mobility nationally or internationally between individual universities, and between universities and other sectors;

b) interdisciplinary research within the natural sciences and engineering (NSE), or at the interface between the NSE and health, or the social sciences and humanities (the main focus of the training must still lie within the NSE);

c) increased collaboration between industry and academia;

d) improve job-readiness within the industrial sector (i.e., exposing participants to the specific challenges of the sector and training people with the skills identified by industry).
Each training initiative must 1) focus on providing a value-added experience to the university training environment, 2) prepare research trainees for their future careers in industry, government, or academia.

NSERC priority areas:

- Environmental science and technologies
- Natural resources and energy
- Manufacturing
- Information and communications technologies
- other (applicants may submit training programs that do not fall under any of the priority areas listed above).

The CREATE program offers three opportunities within its current budget envelope:

1) **Regular Stream**: involves a variety of collaborations; academic/government/industry/NGO, Canadian/international.

2) **Industrial Stream**: links industry and academia to increase the supply of highly qualified personnel who are “employer-ready” and can generate immediate results after graduation.

3) **International Collaboration**, The German Research Foundation: supports a bilateral training program that involves an exchange of students between Germany and Canada.


**Value:**
maximum $1.65 million over 6 years
Applicants may request a minimum of $100,000 to a maximum of $200,000 in Year 1, and a minimum of $250,000 to a maximum of $350,000 in years 2 to 6.

**Application process:**
Since institutional commitments may be involved, Faculty endorsement is required for all applications on which McMaster researchers are identified as applicants or co-applicants.

Notify your intent to apply to your Department Chair, your Associate Dean Research, as well as ROADS, by February 26, 2018.

The Letter of Intent (LOI) is due to ROADS by **March 19, 2018**.

NSERC has limited the number of LOIs that may be submitted by McMaster to six. The LOIs submitted by March 19, 2018 will undergo an internal review process using NSERC’s selection criteria. Only those selected by McMaster’s internal selection committee will be forwarded to NSERC by **May 1, 2018**. Only LOIs selected by NSERC’s CREATE multidisciplinary committee will be invited to submit a full application for September 22, 2018.

**ROADS contact:**
Nathan Coschi, Senior Advisor, at [coschimn@mcmaster.ca](mailto:coschimn@mcmaster.ca) or extension 21581
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. Events and outreach activities funded by this grant may often serve as a first step toward more comprehensive and longer-term projects potentially eligible for funding through other SSHRC funding opportunities.

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 will be 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.


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 event or outreach activity. Additional support in the form of cash and/or in kind contributions (excluding registration fees) equivalent to a minimum of 50% of the amount requested from SSHRC must come from sponsoring organizations. Applicants may draw on complementary funding from SSHRC research grants and/or other research funding agencies, however, must make clear 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, these funds cannot be counted towards the 50% requirement for matching funds.

Application process:

Notify ROADS of Intent to Apply by March 13, 2018. The initial draft of the application and letters of support are due to ROADS by April 10, 2018. The final draft, and a completed and signed Application Approval Form are due to ROADS by April 24, 2018. The SSHRC application deadline is May 1, 2018.
Genome Canada: Large Scale Applied Research Project (LSARP) Competition – Information Session

Genome Canada will be launching their next LSARP competition, shortly.

Based on past LSARP competitions, projects will likely need to be large scale applied scientific or GE\(^3\)LS (i.e., genomics and its ethical, environmental, economic, legal and social aspects) projects, that focus on using genomic approaches within the agriculture, agri-food and fisheries/aquaculture sectors, and 1) include end users as part of the project teams, 2) be multi-disciplinary (science and social science/humanities), and 3) have a total 4-year budget between $2 million-$10 million.

Co-funding will be required and project deliverables will need to lead to social and/or economic benefits to Canada.

The anticipated launch is June 2018. While the competition parameters are still being finalized, ROADS would like to alert potential applicants to begin project preparation and networking.

ROADS is hosting an information session with Caitlin Taylor, Senior Manager, Research and Business Development at Ontario Genomics.

**LSARP Information Session**

**April 5, 2018**
1:30 - 3:00pm
Michael DeGroote Centre for Learning and Discovery, room 2232

Researchers will learn how to work with partners and Ontario Genomics to position a research project for success, from the application stage to implementation. Caitlin will be available after the information session to meet with individual researchers or groups, who wish to discuss their projects and ask questions.

Register at: [https://www.eventbrite.ca/e/genome-canada-information-session-registration-44040851372](https://www.eventbrite.ca/e/genome-canada-information-session-registration-44040851372)

Specific program information and guidelines will be sent to researchers once this program is launched.

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

The objective of the Early Researcher Award (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 is open on a competitive basis to researchers who are full-time faculty or principal investigators who, at the application deadline, are based at an eligible institution. To be eligible for the Round 14 competition, applicants must have 1) started their first independent academic appointment on or after July 1, 2013, and 2) obtained their first PhD/MD/DVM or terminal degree on or after July 1, 2008. Review Eligibility at https://www.ontario.ca/page/early-researcher-awards#section-1

The ERA program encourages applications from all disciplines. All applications will be evaluated on the excellence of the researcher, the quality of the research, the development of research talent, and the strategic value for Ontario.

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 your 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.

Review Ineligible partner contributions at https://www.ontario.ca/page/early-researcher-awards-program-guidelines#section-4

Application process:
Notify your Department Chair, Associate Dean Research, and ROADS of intent to apply by April 9, 2018. The draft Notice of Intent (NOI) and signed matching funds letter are due to ROADS by May 29, 2018. The MRIS notice of intent deadline is June 1, 2018.

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


The objective of this funding opportunity is to 1) support researchers who will design and implement scientific protocols to investigate health risks associated with space travel, and 2) maximize the use of Bio-A and Bio-M systems for in situ data collection to:

- contribute to the understanding, mitigation or elimination of health risks associated with human space flight;
- contribute to a better understanding of similar health issues or applications on Earth;
- propose innovative space life science studies to be conducted on the ISS including those that may use astronauts as subjects;
. minimize requirements for transport of materials to and from the ISS;
. foster training of highly qualified personnel in space health and life sciences.


**Webinar**

**April 12, 2018** at 4:00pm (EST)
**Webinar**


**Value:**
maximum $750,000 for new Canadian projects; $500,000 for Canadian participation in an international project; maximum 5 years

**Application process:**
The Canadian Space Agency application deadline is **April 26, 2018**.

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

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**Azrieli Foundation and Brain Canada: Early-Career Capacity Building Grants**

The objective of the *Early-Career Capacity Building Grant* is to accelerate novel, transformative, new lines of research that will fundamentally change our understanding of nervous system function and dysfunction, and their impact on health.

The goal is to reduce the social and economic burden of neurological and mental health problems by prevention, early diagnosis, and treatment.

The research topic must focus on the fundamental properties and mechanisms of the brain and nervous system, including:

1) basic research into fundamental neuroscience challenges, including functional studies based on the use of genome data;
2) projects related to disease or dysfunction of the nervous system if they will lead to new insights into fundamental biological mechanisms;
3) projects aimed at developing novel methods, or models of neural activity, if these methods allow new neuroscientific questions to be answered.

This opportunity is open to individual investigators in the early phase of their careers at a Canadian Institution, within three years of obtaining an independent research position, by the deadline to apply (April 17/18). Such an individual normally holds the rank of assistant or associate professor, is able to initiate and direct their own independent lines of research, has full responsibility for the running of their laboratories, has full control of their research funds, and is permitted to supervise graduate students.

Value:
maximum $100,000 per project over 2 years

Application process:
The Azrieli Foundation application deadline is April 17, 2018.

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

Canada-European Commission: Request for Applications

European Commission International Flagship Collaboration with Canada for human data storage, integration and sharing to enable personalized medicine approaches

The Canadian Institutes of Health Research (CIHR) and the Fonds de recherche du Québec – Santé (FRQS) recently announced funding is available to support Canadian researchers interested in 1) collaborating in the domain of repositories storing and sharing human-omics data, 2) creating a framework for long-term cooperation through transnational collaborations with European researchers. This unique collaboration will require each project to involve at least one Canadian investigator and three European investigators.

The goal of the program aims to enhance and standardize data deposition, curation and exchange procedures, thus ensuring better data reuse and increased benefit to the scientific communities worldwide.

http://www.cihr-irsc.gc.ca/e/50691.html

Value:
The total amount available for Canadian researchers from CIHR and FRQS is $5.5 million, enough to fund 7 grants. maximum $200,000 per year for a maximum 4 years

The total amount available for European researchers from the European Commission is €40 million.

Application process:
Canadian applicants who participate in a full application to the European Commission funding opportunity must complete a CIHR Application, and submit it through ResearchNet by April 18, 2018.

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

Weston Brain Institute, Rapid Response: Canada 2018 - Alzheimer’s & Related Diseases

The objective of the Rapid Response program is to provide seed funding for novel, high-risk, high-reward, translational research that will accelerate the development of therapeutics for neurodegenerative diseases of aging.

The Rapid Response program will have multiple calls per year, alternating between two different disease groups: 1) Alzheimer’s & Related Diseases (current); 2) Parkinson’s & Related Diseases (opens June 2018).
Focus:
- Alzheimer’s disease
- Frontotemporal dementia.
- Mild cognitive impairment
- Vascular contributions to the above
- Prodromes to the above

All projects must meet two conditions to be eligible:
1) projects must be translational research that helps accelerate the development of therapeutics for neurodegenerative diseases of aging;
2) projects must involve the development of a therapeutic and/or tool.


Value:
maximum $200,000 over a maximum 18 months
Up to 35% of the funds can be used to support international collaborations, or bring unique international resources from outside Canada.

Application process:
The Weston Brain Institute letter of intent deadline is April 19, 2018.

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

SickKids Foundation, National Grants: New Investigator Research Grants

The objective of the New Investigator Research Grant is to support early career investigators who successfully lead, participate in, and translate outstanding child health research that will respond to children’s health challenges and needs.

Funding is provided for research in biomedical, clinical, health systems and services, and population and public health sectors.

The principal investigator will hold a doctoral degree (Ph.D) or equivalent medical/health care degree, and have had formal research training. Eligible applicants are required to include a mentorship plan and to work with a clearly-identified mentor.

https://www.sickkidsfoundation.com/aboutus/grantsandawards/newinvestigatorresearchgrants

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

Application process:
The SickKids Foundation application deadline is April 20, 2018.

ROADS contact:
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519
Brain Tumour Foundation of Canada: 2018 Brain Tumour Research Grant

The objective of the Research Grant is to seek outstanding researchers conducting innovative, quality, primary or metastatic brain tumour research.

Applications will be considered for:

- basic, clinical, or translational research including pediatric brain tumours;
- quality-of-life research;
- research proposals that incorporate novel or original concepts that have the potential to make a difference.

https://www.braintumour.ca/3845/grant-outline--guidelines

Value:
maximum $25,000 over 2 years

Application process:
The Brain Tumour Foundation of Canada application deadline is April 27, 2018.

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

Scottish Rite Charitable Foundation: Major Research Grants

The objective of the Major Research Grant is to support biomedical research into intellectual impairment focused on the following:

a) the causes and eventual cure of intellectual impairment such as Dyslexia and Autism, especially as it affects children;
b) the causes and eventual cure of Alzheimer’s Disease and other neurodegenerative diseases.

The focus of the research should be on the causes and cure of the disease, as opposed to the active treatment or palliative care.

Research into other forms of intellectual impairment may be considered.

http://www.srcf.ca/research-grants/

Value:
maximum $40,000 per year, maximum 3 years

Application process:
The Scottish Rite Charitable Foundation application deadline is April 30, 2018.

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

The objective of the *Globalink Research Award* is to provide funds for senior undergraduate and graduate students in Canada to conduct research projects at universities overseas. All disciplines are eligible.

The following opportunities support travel and research from Canada to universities in:

- Australia
- Brazil
- China
- EU member countries (in France, both universities and Inria Research Centres are eligible host institutions)
- Israel
- India
- Japan
- Korea
- Mexico
- Norway
- Saudi Arabia
- Tunisia
- United Kingdom
- United States


**Value:**
maximum $6,000 for 12 – 24 weeks

**Application process:**
Mitacs recommends students apply by **May 2018** for travel planned this Fall.

**Contact:**
Contact [international@mitacs.ca](mailto:international@mitacs.ca) for more information.

Association for the Sociology of Religion: Joseph H. Fichter Research Grant Competition

The objective of the *Joseph H. Fichter Research Grant* is to support members of the Association for the Sociology of Religion involved in promising sociological research on 1) women in religion, or 2) the intersection between religion and gender, or 3) religion and sexualities.

Applicants must be members of the Association at the time of application.


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

The grant covers only direct research expenses such as transportation expenses to conduct research, the cost of
hiring a research assistant or transcriber, and computer software packages that are not typically provided by a college or university (e.g., specialized statistical software packages).

**Application process:**
The Association for the Sociology of Religion application deadline is **May 1, 2018.**

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

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**Crohn’s & Colitis Foundation: Grants**

The Crohn’s & Colitis Foundation has recently announced the following funding opportunities:

1) **The Litwin IBD Pioneers Initiative**, the objective: 1) to support innovative clinical and translational research projects with the potential to impact the treatment of inflammatory bowel disease (IBD) patients in the near future, 2) to encourage novel research into the diagnosis, identification of clinically relevant subsets, treatments, and cures for IBD, 3) to fund innovative pilot research for scientists to test their initial ideas and generate preliminary data.


2) **Senior Research Awards**, the objective: to provide established researchers with funds to generate sufficient preliminary data to become competitive for funds from other sources.


**Value:**

**Litwin IBD Pioneers Initiative**: maximum $130,000 (including 10% direct costs), maximum 2 years

**Senior Research Awards**: maximum per year $115,830 (direct costs up to $105,300 per year; indirect costs 10% of direct costs, or up to $10,530), for 1 – 3 years

**Application process:**
The Crohn’s & Colitis Foundation, **Litwin IBD Pioneers Initiative**, letter of intent deadline is **May 1, 2018.**

The **Senior Research Awards** letter of intent deadline is **May 1, 2018.** The application deadline is **July 1, 2018.**

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

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**Spencer (Spencer Foundation): Small Research Grants and The New Civics**

Spencer has 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.
http://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 New Civics has supported projects that 1) deepen the understanding of educational and other influences on civic action, 2) attend to social inequalities in civic education, and 3) show potential to shape future research and practice in these fields.
http://www.spencer.org/new-civics-program-statement

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

Application process:
The Spencer application deadline is May 1, 2018.

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

Bill & Melinda Gates Foundation, Global Grand Challenges: Grand Challenges Explorations (Round 21)
The Bill & Melinda Gates Foundation is inviting proposals for the next round of Grand Challenges Explorations for the following three challenges:

1) Affordable, Accessible, and Appealing: The Next Generation of Nutrition, the objective: to advance innovative technologies to enhance the availability and accessibility of affordable, nutritious foods for low-income consumers (working within the key constraint that these innovations must be relevant to market-based food systems in low and middle-income countries). The target population is young women, mothers and children from 6-23 months of age.

2) Innovations in Immunization Data Management, Use, and Improved Process Efficiency, the objective: to promote the effective use of timely and relevant data to drive programmatic performance (i.e., to increase the number of children vaccinated globally).

Focus:
. Innovative ideas for improving the measurement approaches for immunization data (e.g., process, equity, coverage indicators) with a focus on data use by program managers, triangulation across data sources, and methods to measure and quantify data use.

. Novel approaches for improving process efficiency that will lead to improved quality of service delivery.
3) **Tools and Technologies for Broad-Scale Disease Surveillance of Crop Plants in Low-Income Countries**, the focus: All proposals must:

- offer an innovative and transformative solution for surveillance and early detection of crop pests and diseases;
- offer potential for dramatic cost reductions or increases in efficiency or precision compared to current strategies;
- be amenable to integration into a national or regional pest and disease surveillance and response system for crop plants;
- have potential applicability to at least two of the following crops: maize, wheat, rice, millet, sorghum, cassava, sweet potatoes, yams, bananas, beans, cowpeas, chickpeas, and groundnuts;
- convey a clear potential for achieving broad geographic scale.


[https://gcgh.grandchallenges.org/grant-opportunities?f%5B0%5D=field_initiative%3A37073](https://gcgh.grandchallenges.org/grant-opportunities?f%5B0%5D=field_initiative%3A37073)

**Value:**
maximum $100,000 USD for initial grants; successful projects are eligible to receive maximum $1 million USD for follow-on funding

**Application process:**
The Bill & Melinda Gates Foundation application deadline is **May 2, 2018**.

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

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**Bill & Melinda Gates Foundation, Global Grand Challenges: Campylobacter spp. Transmission Dynamics in Low- and Middle-Income Countries (LMIC)**

The objective of this funding opportunity is to solicit proposals to examine the transmission of *Campylobacter spp.* in communities.

Proposals must generate data to understand the sources of *Campylobacter* infection in children in LMICs, and the dynamics of transmission in LMIC communities of interest. Countries in South Asia and Sub-Saharan Africa with high rates of childhood under-nutrition, are of specific interest.

Analyses of the data are expected to address the question of whether a human vaccine for *Campylobacter* is a necessary and appropriate strategy, in spite of the complexities associated with auto-immune responses to *Campylobacter* antigens.

**Value:**
Applicants submit a budget. Research studies must not exceed 2 years.

**Application process:**
The Bill & Melinda Gates Foundation letter of inquiry deadline is **May 2, 2018**.

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

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**Misk Foundation and the Bill & Melinda Gates Foundation: Misk Grand Challenges**

The Misk Foundation, *Misk Grand Challenges*, have officially been announced:

1) **Activating Global Citizenship: Building the Next Generation of Global Citizens for the Global Goals**, the objective: testing and implementing concepts and strategies to engage young people in efforts that will reduce inequality related to the first six Global Goals:

   . Goal 1: No poverty
   . Goal 2: Zero hunger
   . Goal 3: Good health and well-being
   . Goal 4: Quality education
   . Goal 5: Gender equality
   . Goal 6: Clean water and sanitation

Investigators are invited to propose innovative and creative solutions that uses new knowledge to positively engage young people in one or more goals, in both scale and depth. [https://gcgh.grandchallenges.org/challenge/activating-global-citizenship-building-next-generation-global-citizens-global-goals](https://gcgh.grandchallenges.org/challenge/activating-global-citizenship-building-next-generation-global-citizens-global-goals).

2) **Reinventing Teaching and School Leadership: Preparing the Youth with the 21st Century Skills Needed for a Knowledge Economy**, the focus: new, innovative ideas that cover one or more of the following areas that impact teaching and/or school leadership:

   . Reinventing the recruitment process
   . Transforming training and professional development
   . Improving resources that support high-quality learning
   . New forms of management

[https://grandchallenges.org/grant-opportunities](https://grandchallenges.org/grant-opportunities)

**Value:**
maximum $100,000 USD over 12-18 months
Application process:
The Misk Foundation application deadline is May 2, 2018.

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

Government of Canada, Natural Resources Canada: Clean Energy for Rural and Remote Communities

Natural Resources Canada (NRCan) has recently announced a funding opportunity through the *Clean Energy for Rural and Remote Communities (CERRC) Program*.

**BioHeat, Demonstration & Deployment Program Streams**, the objective: to support proposals to reduce the reliance of rural and remote communities on diesel fuel for heat and power. All proposals will need to demonstrate local community support and outline the community benefits of the project, particularly for Indigenous communities.

Focus:
- BioHeat to reduce fossil fuel use
- Innovative demonstrations to reduce diesel use
- Deployment of renewable energy technologies for electricity


Value:
$100,000 - $400,000 over 1 to 6 years

Application process:
The NRCan registration deadline is now.

Proposals received by:
- **April 12, 2018**, applicants are granted a half-hour phone call to ask questions related to their submission;
- **May 3, 2018**, submissions will be reviewed for completeness and applicants are notified of missing documentation.

The NRCan application deadline is **May 17, 2018**.

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

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

CANARIE funds and promotes reusable research software tools and national research data management initiatives to accelerate discovery, provides identity management services to the academic community, and offers advanced networking and cloud resources to boost commercialization in Canada’s technology sector.
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/)

Early registration: $99.
Standard rate after **May 1, 2018**: $150.

**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/](https://www.als.ca/research/apply-for-funding/)

**Value:**
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

**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

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

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**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.


**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.

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

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 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, Simons Foundation Autism Research Initiative (SFARI): SFARI Explorer Award**

The objective of the *SFARI Explorer Award* is to 1) support innovative, bold, rigorous autism research of the highest quality and relevance; 2) enable focused experiments; 3) deepen our understanding of the mechanisms underlying autism spectrum disorders or potential therapeutic approaches by investigation at multiple levels including, but not limited to, studies focused on gene discovery, molecular mechanisms, circuits, anatomy, cognition and behaviour.

https://www.simonsfoundation.org/funding/funding-opportunities/autism-research-initiative-sfari/sfari-explorer-award/

**Value:**
maximum $70,000 for 1 year

**Application Process:**
Applications are considered on a *rolling basis* with a response time as early as 30 days.

**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:**
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