Week of December 15, 2017

Dear colleagues,

Please find below this week’s updates:

• Regarding the **Clinical Teaching Fundamentals - ONLINE course** the Program for Faculty Development offers to individuals with a McMaster (MACID). This course is “free of charge” and has been found to be quite helpful for clinical preceptors/educators (both novice and experienced). There is still time for individuals to register, and anyone interested should do so, prior to - Jan. 5, 2018. The course runs from: Jan. 20 - March 8, 2018 (with sign-in and pre-prep - Jan. 17-19).

  Module Topics:
  Mod 1: Characteristics of Effective Clinical Educators
  Mod 2: Building an Effective Clinical Education Climate
  Mod 3: Effective Teaching Strategies
  Mod 4: Individualizing Your Teaching for the Learner
  Mod 5: Strategies to Assist the Struggling Student
  Mod 6: Effective Formative Assessment

  The flyer and registration details are available [here](#)

  Participants must have a valid MacID and password. Visit the [UTS Website](#) to check if you have a valid MacID, or contact uts@mcmaster.ca 905-525-9140, x24357

• The Faculty of Health Sciences is pleased to introduce a **funding mechanism to replace aging equipment** (ex. Hoods, centrifuges, freezers) and to upgrade lab facilities with new equipment. The goal of this mechanism is to support acquisition of equipment that would be difficult to fund through conventional grants and don’t meet the mandate for a CFI JELF. Requests to this mechanism are expected to be on the order of $10,000-$30,000; although requests outside the range will also be considered. Equipment funding requests will be adjudicated by the Faculty of Health Sciences Research infrastructure committee on a quarterly basis. Meritorious requests that are unfunded due to lack of available funds will be prioritized and carried forward to subsequent quarters. Requests must be prepared using the FHS Request for Infrastructure form attached to this e-mail and submitted to hsresadm@mcmaster.ca by January 12, 2018 for the first round of funding. Please direct any questions to Tracy Arabski (arabski@mcmaster.ca)

• Please join us at **Grand Rounds** next week on **December 21, 2017 at 8:00 am**. Chair’s Medical Grand Rounds will be hosting Dr. Joshua Wald in MUMC-4E20 who will be speaking on *Physical activity, exercise and rehabilitation in COPD: benefits and barriers to access*. Medical Grand Rounds-SJHH will be hosting Dr. Gerry Cox in the SJH Miller Amphitheatre who will be holding the **Annual Festive Round**. Further information on these events, and many others taking place in the Department, can be found in the [ETA Calendar](#).

• Please find attached the December 15 issue of **HRS Funding Opportunities**.

• Please find attached the December 15 issue of **ROADS Funding Opportunities**.
New Faculty Highlight

Welcome to Dr. Douglas Wright who joined the Department of Medicine, and the Division of Cardiology, in January 2017 as an Assistant Professor. Dr. Wright is an internist and cardiologist who has also completed a fellowship in advanced echocardiography. Outside of clinical medicine, he has interests in international medicine and education both locally and abroad.

If you have anything you would like to share with your colleagues, please submit it to Sara Sellers at sellers@mcmaster.ca

Mark A. Crowther
Professor and Chair, Department of Medicine
The Faculty of Health Sciences has created a fund for replacing old equipment and acquiring new equipment in our research labs. Requests should be in the order of $10,000 - $30,000; although requests outside that range will also be considered. A signature from a Departmental Chair or Research Centre/Institute Director is required for the request. By signing the request form, the Chair/Director confirms the request as a high priority. Requests will be adjudicated by the Faculty of Health Sciences Research Infrastructure committee who may request additional information or a site visit. Submissions can be made at any time and will be reviewed quarterly. Granting of requests will be limited by available funds. Requests that are deemed a priority will remain in the queue until funded.

### PERSONAL INFORMATION

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<tr>
<th>Investigator Name:</th>
<th>McMaster Employee #:</th>
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### REQUEST

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<th>Is there infrastructure (i.e. appropriate power supply, floor space, bench space etc.) available to support this equipment?</th>
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<td>No ☐ <em>(if no, please include in rationale how this equipment will be accommodated)</em></td>
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The signatures of the Investigator and Department Chair/Institute Director certify the following:

a) The Department Chair/Institute Director is fully aware of this request and is supportive of the request for replacement equipment.
b) The Investigator has sufficient space, time and/or resources to do the research. If additional space, time and/or resources are required the Investigator has sought approval from their Department Chair/Institute Director.
c) The Department Chair/Institute Director is committed to provide any additional resources that have been requested by the Investigator in order to conduct the proposed research.
d) The Department/Institute accepts resource and financial commitments entailed by the activity including over-expenditures as per McMaster policies.

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<th>Investigator:</th>
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**Upcoming Question and Answer Webinars on the 2017-2018 Foundation Grant Stage 2 Application**

All applicants of the Foundation Grant: 2017-2018 competition were recently informed of their Stage 1 results. Successful Stage 1 applicants have until February 6th to submit their Stage 2 application. To assist them in completing their application, they were invited to take advantage of CIHR’s series of four (4) Question and Answer webinars.

The webinars are designed to complement two learning modules on the Learning for Applicants page, and participants are strongly encouraged to review them in advance of the webinar:

- **Foundation Grant: 2017-2018 Stage 2 for Applicants** (12 min.) gives a brief tour of the application process while highlighting core resources and adjudication criteria, and
- **Training and Mentorship** (15 min.) clearly outlines and encourages the use of related best practices.

The webinars will be held on January 10th and January 25th, two webinars each day (French, English; then English, French respectively). We invite you to visit CIHR to register for a webinar.

For more information, please contact the CIHR Contact Centre at: Support@cihr-irsc.gc.ca.

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**Health Research Grant Competitions**

*Programs administered by Health Research Services, unless otherwise indicated. Email: hsresadm@mcmaster.ca*

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<td>CIHR – Team Grant: Research Network on Lyme Disease</td>
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<td><em>NEW</em> CIHR – Health System Impact Fellowship 2018</td>
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<td>CIHR – Canadian Microbiome Initiative 2: Research Core</td>
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<td><em>NEW</em> CIHR – Strategy for Patient-Oriented Research (SPOR) National Data Platform</td>
<td>Apr 17 2018</td>
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<td>Funding Opportunity (Non-CIHR)</td>
<td>LOI Deadline</td>
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<td>Canadian Anesthesiologists’ Society Operating Grants and Career Scientist Award</td>
<td>Dec 18</td>
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<td>Organization</td>
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<td><strong>Canadian Institute for Military and Veteran Health Research (CIMVHR):</strong></td>
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<td>Request for Proposals – Development of a Sensor System for Rapid</td>
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<td><strong>National Multiple Sclerosis Society: Pilot Research Grants</strong></td>
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<td><strong>American Urological Association: Urology Care Foundation Summer Medical</strong></td>
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<td>Student Fellowships</td>
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<td><strong>European Respiratory Society: 2018 Long-Term Research Fellowships</strong></td>
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<td><strong>The Canadian Cancer Society: Travel Awards</strong></td>
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<td><strong>The Ministry of Tourism, Culture and Sport: 2018-19 Ontario Sport and</strong></td>
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<td>Recreation Communities Fund (OSRCF)</td>
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<td><strong>Crohn’s and Colitis Canada: 2018 Innovations in IBD Research</strong></td>
<td>Jan 5 2018</td>
<td>Jan 19 2018</td>
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<td><strong>Crohn’s &amp; Colitis Foundation: Entrepreneurial Investing Initiative</strong></td>
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<td><strong>Ontario Genomics: Bioinformatics and Computational Biology Funding</strong></td>
<td>Jan 24 2018</td>
<td>April 9 2018 to Genome</td>
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<td>Competition (B/CB) (please inform HRS of your intent to apply)</td>
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<td><strong>Ontario Respiratory Care Society (ORCS) Research Grant</strong></td>
<td>Jan 18 2018</td>
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<tr>
<td><strong>Ontario Respiratory Care Society (ORCS) Fellowship Awards</strong></td>
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<td><strong>Parkinson Canada Research Program</strong></td>
<td>Jan 18 2018</td>
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<td><strong>The Kidney Foundation of Canada: KRESCENT Post-Doctoral Fellowship</strong></td>
<td>Jan 18 2018</td>
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<td><strong>The Kidney Foundation of Canada: KRESCENT New Investigator Award</strong></td>
<td>Jan 18 2018</td>
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<td><strong>Burroughs Wellcome Fund: Collaborative Research Travel Grants</strong></td>
<td>Jan 18 2018</td>
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<td><strong>Spencer (Spencer Foundation): Small Research Grants</strong></td>
<td>Jan 18 2018</td>
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<td><strong>Spencer (Spencer Foundation): The New Civics</strong></td>
<td>Jan 18 2018</td>
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<td><strong>Women’s College Hospital: Women’s Xchange 15K Challenge</strong></td>
<td>Jan 8 2018</td>
<td>Feb 8 2018</td>
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<tr>
<td><strong>National Multiple Sclerosis Society: Research Grants</strong></td>
<td>Jan 31 2018</td>
<td>Feb 14 2018</td>
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<td>Funding Opportunities (DoD)</td>
<td>LOI Deadline</td>
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<td>Department of Defense Psychological Health/Traumatic Brain Injury Research Program (PH/TBIRP) Applied Behavior Analysis Clinical Study Award</td>
<td>Dec 20 (extended)</td>
<td>Jan 2 2018</td>
<td>Jan 8 2018 (Extended)</td>
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Department of Defense Lupus Research Program (LRP) Funding Opportunities for Fiscal Year 2017

Department of Defense Kidney Cancer Research Program (KCRP) Funding Opportunities for Fiscal Year 2017

Department of Defense Psychological Health/Traumatic Brain Injury Research Program (PH/TBIRP) Peer Support Program (PSP) Translational Research Award

Department of Defense Medical Research and Development Program (DMRDP) Accelerating Innovation in Military Medicine (AIMM) Research Award


The overall goals for this funding opportunity are to:

- Catalyze the transfer of health research knowledge in the area of sex- and gender-based analysis into health policy development and practice.
- Foster capacity development and the creation of best practices to support the sustainable application of evidence-based sex- and gender-based analysis to health policies and programs.
- Support the scientifically rigorous evaluation of outcomes related to the integration of sex- and gender-based analysis into health policies and programs.

Funding Details: The total amount available for this funding opportunity is $300,000, enough to fund 2 grants. The maximum amount per grant is $75,000 per year for up to two years for a total of $150,000, per grant.

Additional Details
Internal HRS Deadline: January 9, 2018
Sponsor Deadline: January 23, 2018

CIHR – Joint Canada-Israel Health Research Program

This funding opportunity is expected to:

- Advance research and discovery in the biomedical sciences;
- Encourage scientific collaboration between Canadian and Israeli researchers and trainees; and
- Build capacity in biomedical science and foster scientific relations and collaborations with researchers and trainees in low and middle income countries.

Funding Details: The current competition will fund up to six teams, with a maximal annual budget of approximately $390,000 per team (NIS 1,257,965), for a total amount of approximately $1.17M over three years (NIS 3,773,896).

- ISF will administer the 6 funded grants to the Israeli Principal Applicant’s (PA) institution. The maximum amount per project that can be requested by the Israeli PA from ISF is up to NIS 1,540,000 over 3 years.
- IDRC will administer the 6 funded grants to the Canadian PA’s institution. The maximum amount per project that can be requested by the Canadian PA from IDRC is up to CAD $670,000 over 3 years.

Additional Details
LOI Deadline: January 16, 2018
Internal HRS Deadline: January 30, 2018
Sponsor Deadline: February 13, 2018

CIHR – Team Grant: Research Network on Lyme Disease

The Lyme Disease Research Network grant is expected to:

1. Build a national network on Lyme disease to facilitate and support national collaboration among Lyme disease stakeholders (researchers, clinicians, and patients) in resource and knowledge sharing:
   - Mobilize, strengthen and build capacity in the Lyme disease research community.
   - Develop innovative multidisciplinary curricula and training opportunities for students and professionals.
   - Facilitate and support translation and dissemination of new knowledge from bench to bedside to population in order to:
     o Improve clinical science and practice;
Foster policy changes, leading to transformative and measureable improvements in the development and implementation of evidence-informed practices, policies, services, products and programs;

- Improve patient outcomes, access to care and quality, efficiency and effectiveness of health care.

2. Develop a national cohort of patients in order to understand the association between serological and clinical phenomenology of Lyme disease on a longitudinal basis (including a biobank creation and maintenance).

**Funding Details:** The total amount available for this funding opportunity is $4 million, enough to fund approximately one research network up to a maximum of $1,000,000 per year for four years. This amount may increase if additional funding partners participate.

**Additional Details**

**Internal HRS Deadline:** February 20, 2018

**Sponsor Deadline:** March 6, 2018

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**CIHR – Operating Grant: SPOR PIHCI Network – Knowledge Synthesis Grants 2018**

The specific objective of this funding opportunity is to support cross-jurisdictional teams of researchers and knowledge users to produce knowledge syntheses or scoping reviews relevant to the priorities of the Primary and Integrated Health Care Innovations (PIHCI) Network, contributing to the use of synthesized evidence in decision-making and practice across multiple jurisdictions.

**Funding Details:** The total amount available from CIHR for this funding opportunity is $125,000, enough to fund approximately five grants. The maximum CIHR annual amount per grant is $25,000 for up to one year.

- Applicants must secure partner contribution from non-federal sources to match the CIHR contribution at a minimum of 1:1 ratio.
- Only one project may be funded per unique grouping/combinations of jurisdictions. An exception will be made if funds are remaining after all fundable applications with unique grouping/combinations of jurisdictions are funded.

**Additional Details**

**Internal HRS Deadline:** February 20, 2018

**Sponsor Deadline:** March 6, 2018

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**CIHR – Operating Grant: SPOR PIHCI Network – Comparative Program and Policy Analysis (2018)**

The specific objective of this funding opportunity is to support comparative policy analysis and/or policy implications of system-scalable innovations to examine what and how policies across various provincial/territorial jurisdictions yield similar or different health outcomes. Findings are expected to guide evidence-informed policy decision-making and to inform future cross-jurisdictional research.

**Funding Details:** The total amount available for this funding opportunity is $625,000, enough to fund approximately five (5) grants. CIHR’s maximum contribution per grant is $62,500 per year for up to two (2) years.

**Additional Details**

**Internal HRS Deadline:** February 20, 2018

**Sponsor Deadline:** March 6, 2018

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**CIHR – Health System Impact Fellowship 2018**

The Health System Impact Fellowship is expected to:

- Support impact-oriented career paths and elevate the career readiness of PhD trainees and post-doctoral fellows studying HSPR or related fields by supporting experiential learning opportunities in health system and related organizations outside of the traditional scholarly environment and enriched competency development (e.g., leadership, project management);

- Expand and enrich the traditional doctoral and post-doctoral training environment by engaging health system and related organizations in preparing a cadre of promising doctoral trainees and post-doctoral fellows for successful careers;

- Provide health system and related organizations with direct opportunities to realize and harness the benefits that research-trained individuals can bring to such organizations for improved decision-making.

**Funding Details:** Funds are allocated across two mutually exclusive streams as follows:

- Stream A: HSI Award for Doctoral Trainees: Of the total amount available, $700,000 is available to fund 20 awards relevant to [CIHR-IHSPR](https://www.cihr-icrhr.gc.ca/ei/29960.html) and is allocated among regional funding pools as follows:
$210,000 is available to fund 6 awards in Western Canada (including Manitoba, Saskatchewan, Alberta, British Columbia, Northwest Territories, and Yukon)

$350,000 is available to fund 10 awards in Central Canada (including Quebec, Ontario, and Nunavut)

$140,000 is available to fund 4 awards in Eastern Canada (including Newfoundland and Labrador, Nova Scotia, Prince Edward Island, and New Brunswick)

Stream B: HSI Awards for post-Doctoral Fellows:

- Of the total amount available, $1,085,000 is available to fund 10 post-doctoral awards relevant to CIHR-IHSPR and is allocated among regional funding pools as follows:
  - $325,500 is available to fund 3 awards in Western Canada (including Manitoba, Saskatchewan, Alberta, British Columbia, Northwest Territories, and Yukon)
  - $542,500 is available to fund 5 awards in Central Canada (including Ontario, Quebec and Nunavut)
  - $217,000 is available to fund 2 awards in Eastern Canada (including Newfoundland and Labrador, Nova Scotia, Prince Edward Island, and New Brunswick)

Additional Details

Internal HRS Deadline: March 22, 2018
Sponsor Deadline: April 5, 2018

CIHR – Canadian Microbiome Initiative 2: Research Core

The objective of this funding opportunity is to develop a sustainable pan-Canadian Research Core that will:

- Support the sharing of cohort data, samples and bacterial strains to improve accessibility for Canadian researchers;
- Harmonize and optimize microbiome research protocols (11), including sample collection and processing in order to facilitate research reproducibility;
- Ensure that sex as a biological variable and gender as a social determinant of health are appropriately integrated into the data platform, research protocols and other core activities to expand the evidence base and research capacity in the field;
- Develop linkages among the Canadian research teams and linkages with international partners and stakeholders (e.g., the Joint Programme Initiative, Healthy Diet for a Healthy Life (JPI HDHL) Intestinal Microbiomics Initiative) in order to facilitate collaboration;
- Coordinate and facilitate multi-disciplinary training and mentoring to contribute to the development of the next generation of researchers; and
- Facilitate knowledge translation of Canadian microbiome research.

Funding Details: The total amount available for this funding opportunity is $2,125,000. This amount may increase if additional funding partners participate

Additional Details

LOI Deadline: February 13, 2018
Internal HRS Deadline: August 7, 2018
Sponsor Deadline: August 21, 2018

CIHR – Strategy for Patient-Oriented Research (SPOR) National Data Platform

The objectives of the SPOR National Data Platform will be to:

- Create efficiencies in data collection and reduce the time required for researchers to access multi-jurisdictional data.
- Establish systems of retrieval, standardization/harmonization and linkage of high priority clinical data to administrative and social data to enable richer population-based multi-jurisdictional studies to be conducted.
- Establish valid and reliable methods for linking primary research data (e.g., cohorts, clinical trials) to health administrative, social and other data to create efficiencies in data collection.
- Inform and provide innovative and ethical solutions to data access and its use through patient and partner engagement.
- Facilitate access to data analytic and data storage services, as needed, for multi-jurisdictional studies.

Funding Details: The total amount available from CIHR for this funding opportunity is up to $39,000,000 enough to fund one grant for a term of up to seven years. The breakdown of the annual funding available is as follows:

- Year 1: $3,000,000
- Year 2: $4,000,000
- Year 3: $5,000,000
- Year 4: $6,000,000
- Years 5-7: $7,000,000 in each year

**Additional Details**

**LOI Deadline:** April 17, 2018  
**Internal HRS Deadline:** June 5, 2018  
**Sponsor Deadline:** June 19, 2018

**The Canadian Institute for Advanced Research (CIFAR) Global Call for Ideas**

For more than three decades, CIFAR’s global research programs have connected many of the world’s best minds – across borders and disciplines – to shape new perspectives and spark ground-breaking ideas. Our commitment to sustained research interactions and engagement through interdisciplinary research networks offers researchers the rarest of commodities: freedom to take intellectual risks that are essential for creating truly transformative knowledge. CIFAR invites the global research community to submit proposals for new programs that address complex, fundamental questions of importance to the world. Ideas must be novel, bold, and potentially transformative to warrant the creation of a sustained, interdisciplinary, and collaborative research program. CIFAR is pleased to announce a second Global Call for Ideas, inviting research leaders from around the world to identify important global research challenges that would benefit from CIFAR’s approach to sustained research interactions that include diverse perspectives. Submissions must address global, complex questions and identify an interdisciplinary research approach. Proposals will be accepted from all areas of research.

**Additional Details**

**LOI Deadline:** January 21, 2018  
**Announcement of short-listed proposals:** Spring 2018  
**Sponsor Deadline:** Fall 2018

*If you plan to submit an LOI please notify Tracy Arbski, Associate Director, HRS, at arbski@mcmaster.ca or ext. 22515*

**Canadian Anesthesiologists’ Society Operating Grants and Career Scientist Award**

The Canadian Anesthesiologists’ Society (CAS) offers two types of research grants through the Canadian Anesthesia Research Foundation:

**CAS Career Scientist Award in Anesthesia**

The Career Scientist Award provides partial salary support for the investigator to fund protected research time. The Career Scientist Award is normally awarded every other year, but on a trial basis this is available in 2018 and will also be available in 2019.

- **Career Scientist Award**

**Operating Grants**

Operating Grants provide funding to cover the direct costs related to a single research project. In 2018, we are pleased to offer the following five operating grants of which two are in subspecialty fields, one is an open award, one grant that is designated for new investigators and one grant for individuals committed to doing research during their residency training.

- **New Investigator Operating Grant**
- **Subspecialty Operating Grants**
- **Open Operating Grants**
- **Residents’ Research Grant**

**Funding Details:**

- **Career Scientist Award** - With the matching contribution from the recipient’s institution, the CAS award of $60,000 represents a total award of $120,000 over two years.
- **New Investigator Operating Grant** – Up to $30,000
- **Subspecialty Operating Grants** – There are two subspecialty Awards
  - CAS Research Award in Neuroanesthesia in memory of Adrienne Cheng – up to $10,000
  - Dr Earl Wynands Research Award in Cardiovascular Anesthesia – up to $30,000
- **Open Operating Grants** – Up to $40,000
- **Residents’ Research Grant** – Up to $10,000

**Additional Details**

**Internal HRS Deadline:** December 18, 2017  
**Sponsor Deadline:** January 8, 2018
**Canadian Institute for Military and Veteran Health Research (CIMVHR): Request for Proposals – Development of a Sensor System for Rapid Quantification of Small (100-300Da) Molecules in Complex Biological Fluids**

Defence Research and Development Canada, is seeking a research team to investigate surface chemistry modifications of 3D printable thermoplastics for covalent attachment of bioactive proteins in a full/complete monolayer suitable for capturing small-molecule analytes in saliva. The objective of this work is to develop full, working prototypes of hand-held biosensors that are capable of rapidly quantifying small concentrations of analyte in complex biological fluids.

The Canadian Institute for Military and Veteran Health Research (CIMVHR) has entered into partnership with the Government of Canada to procure Research and Development Services related to the mental, social and physical wellbeing of active military members, Veterans and their families. CIMVHR is seeking Notices of Interest from qualified researchers or teams to enter into a contract with CIMVHR to produce this Work.

**Funding Details:** $146,000 plus applicable overhead. All deliverables must be submitted and completed by March 2019

**Additional Details**
**Internal HRS Deadline:** December 18, 2017  
**Sponsor Deadline:** January 8, 2018

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**National Multiple Sclerosis Society: Pilot Research Grants**

Researchers who have completed their post-doctoral training, and who are considered eligible by their institutions to apply for a research grant, are invited to apply. Individuals who are currently postdoctoral fellows or the equivalent, or who are graduate/medical students or residents, are not eligible for support under this program. Applicants are not eligible to apply if they have an existing National MS Society pilot research award that expires later than the application deadline.

**Funding Details:** $40,000 for 1 year

**Additional Details**
**Internal HRS Deadline:** January 2, 2018  
**Sponsor Pre-application Deadline:** January 8, 2018  
**Sponsor Deadline:** January 10, 2018

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**American Urological Association: Urology Care Foundation Summer Medical Student Fellowships**

The Urology Care Foundation offers a portfolio of mentored research training awards intended to recruit outstanding young investigators into urologic research and foster their career success. This fellowship program is designed to attract high-caliber medical students to urologic research by engaging them in summer research fellowships alongside world-class urologic scientists.

**Funding Details:** Awardees receive $4,000 stipends to support them during a ten-week mentored research experience.

**Additional Details**
**Internal HRS Deadline:** January 2, 2018  
**Sponsor Deadline:** January 11, 2018

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**European Respiratory Society: 2018 Long-Term Research Fellowships**

Long-Term Research Fellowships (LTRF) enable investigators and clinicians in the early stages of their career to carry out basic, translational or clinical research projects. Through this experience, young scientists learn and apply advanced research procedures and techniques not available at their home institute. Since 2015, ERS has increased the number of fellowships on offer by welcoming applicants from scientifically developing countries, and through partnerships with other organizations. Applicants are selected based on their scientific merit and the skills and experience they can bring to a new centre.

**Funding Details:** ERS long-term fellowships encompass a living stipend, a child allowance and a travel grant. The living stipend covers costs related to food, accommodation, transportation, etc. The monthly rates vary per host country. The living stipend is set in order to enable the stay in the host country only. The rate should be sufficient for covering the monthly living needs.
The Canadian Cancer Society: Travel Awards
A limited number of Travel Awards to PhD or MD/PhD students, and post-doctoral/medical/clinical fellows are available. The purpose of this program is to defray the travel costs associated with making a scientific presentation as a first author or presenter at a conference, symposium or other appropriate professional meeting. Candidates must be attending a conference for the purpose of presenting data (paper or poster presentation) from a cancer-related project on a first-author or presenter basis. Applications will be accepted for conference dates within 6 months of the competition deadline date. Applications will not be accepted for conferences that have already taken place. Note that acknowledgement of CCS funding must be included in the paper or poster.

Funding Details: The Travel Award will be made to defray costs of travel, registration, accommodation, meals, ground transportation, etc., and will not exceed $2,000.

The Ministry of Tourism, Culture and Sport: 2018-19 Ontario Sport and Recreation Communities Fund (OSRCF)
The Ontario Sport and Recreation Communities Fund (OSRCF) is a grant program that supports a vision of getting and keeping Ontarians active in community sport, recreation and physical activity. The fund:

- increases opportunities for physical activity in sport and recreation by developing new programs or increasing access to existing programs to encourage individuals to become more active and keep those who are, engaged throughout their lives
- aims to embed physical literacy as a foundation for lifelong physical activity among individuals enabling them to make healthier activity choices
- strengthens the community sport and recreation sector by providing training in areas such as coaching, youth development, and volunteer development to provide enhanced service and quality programming.

Through the support of projects that deliver high-quality programs and policies, the OSRCF provides Ontarians with more opportunities to become physically active, including groups who experience barriers to participating and those who are traditionally less active.

Funding Details: The program supports projects of one or two years in length, at both the Local/Regional and Provincial levels. The Ministry will fund a percentage of eligible project expenses requested by the applicant.

Crohn’s and Colitis Canada: 2018 Innovations in IBD Research
Crohn’s and Colitis Canada invites applications for an Innovations Grant to fund novel or innovative approaches to IBD research. This grant is intended to stimulate and support research which may not be encompassed within the boundaries of traditional medical research. Research proposals must conform to sound principles of research and may aim to collect pilot data for follow-on application(s). Our organization seeks mission relevance and excellence as well as innovation.

Funding Details: Grants to a maximum of $50,000 for one year may be awarded.
**Crohn’s & Colitis Foundation: Entrepreneurial Investing Initiative**

The Crohn’s & Colitis Foundation seeks to accelerate the development of products that aim to improve the quality of life of patients with inflammatory bowel diseases. Toward that end, the Foundation has launched the Entrepreneurial Investing Initiative, a new program and dedicated funding mechanism to support product-oriented research and development. Companies and academic investigators can apply. Funding up to $500,000 per project per year will be considered. In addition, funded programs will be offered accelerator resources and advising. Even if your organization is not interested in the Entrepreneurial Investing Initiative at this time, please consider submitting a Letter of Intent as an initial step in engaging with the Foundation. You may be eligible for additional resources, including future funding opportunities.

**Funding Details:** Funding up to $500,000 per project per year will be considered.

**Additional Details**
- **LOI Deadline:** January 22, 2018
- **Sponsor Deadline:** TBD

**Ontario Genomics: Bioinformatics and Computational Biology Funding Competition (B/CB)**

Genome Canada has announced a Request for Applications (RFA) for the 2017 Bioinformatics and Computational Biology Competition.

This funding opportunity will support projects that build the tools and methodologies needed to analyze and integrate the vast amounts of data being gathered in the ‘omics research community. Of particular interest will be proposals that address challenges associated with data handling and analysis associated with new technologies.

The objectives of this competition are:
- To support the development of next generation B/CB tools and methodologies needed to manage, analyze and integrate complex data sets produced by modern genomics technologies to better understand the associated biology; and,
- To provide broad and timely access of these B/CB tools to the research community.

**Funding Details:** $12M is available for multiple projects of $500k-$1M per project (total) for the duration of up to 3 years.

**Additional Details**
- **Draft Registrations Due to Ontario Genomics:** January 24, 2018
- **Final Registrations Due to Ontario Genomics:** January 31, 2018
- **Final Registrations Due to Genome Canada:** February 1, 2018
- **Draft Applications Due to Ontario Genomics:** February 7, 2018, 10am
- **Final Applications Due to Ontario Genomics:** March 28, 2018, 10am
- **Final Applications Due to Genome Canada:** April 9, 2018

*To apply, contact Sarah McNiven-Scott, Senior Grants Advisor, Major Projects, HRS, at mcnivesb@mcmaster.ca or ext. 22871*

**Ontario Respiratory Care Society (ORCS) Research Grant**

The objective of this fund 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. Research may also be aimed at health promotion, education and prevention issues. Studies may use quantitative or qualitative methodologies. The Lung Association – Ontario (TLA) is committed to supporting the best respiratory research in Ontario. TLA has established focus areas: asthma, air quality and 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.

**Funding Details:** Awards are given for 12 calendar months from July 1 to June 30.

**Additional Details**
- **Internal HRS Deadline:** January 18, 2018
- **Sponsor Deadline:** February 1, 2018

**Ontario Respiratory Care Society (ORCS) Fellowship Awards**

The objective of the ORCS Fellowship Awards is to permit health care professionals who are members of the ORCS to pursue graduate study so that they may be better able to contribute to the field of respiratory illness, health care and education. The
program should show evidence of a plan to foster theory, research and either a clinical or functional area of specialization. Studies may include research-related basic, applied or clinical study using quantitative or qualitative methodologies.

**Funding Details:** The Ontario Respiratory Care Society has only limited funds available. Normally, the monetary value of a fellowship award is:

- Full-time Studies: $7,500.00
- Part-time Studies: $3,750.00

**Additional Details**
*Internal HRS Deadline: January 18, 2018*
*Sponsor Deadline: February 1, 2018*

**Parkinson Canada Research Program**
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 (MSA), Progressive Supranuclear Palsy (PSP), other Parkinson’s conditions and the impact these diseases have on society. Parkinson Canada has released 6 new funding opportunities. Please refer to the additional details link for more information from the Parkinson Canada website.

**Funding Details:**
- **Pilot Project Grant** – One-year duration Maximum funding of $50,000
- **New Investigator Award** – Two-year duration $45,000 per year
- **Basic Research Fellowship** – Two-year duration $40,000-$50,000 per year
- **Clinical Movement Disorders Fellowship** – One-year duration $50,000
- **Clinical Research Fellowship** – Two-year duration $50,000 per year
- **Graduate Student Award** – Two-year duration $20,000 per year (including $5,000 from supervisor)

**Additional Details**
*Internal HRS Deadline: January 18, 2018*
*Sponsor Deadline: February 1, 2018*

**The Kidney Foundation of Canada: KRESCENT Post-Doctoral Fellowship**
A KRESCENT program Post-Doctoral Fellowship is an “in-training” award intended for applicants with a PhD, MD or equivalent degree. The objective is to attract and foster young investigators to initiate and/or continue training in kidney research. An awardee may not be in receipt of another major personnel award at the same time as holding the Post-Doctoral Fellowship from the KRESCENT program. However, the KRESCENT program will consider approving supplemental funding if a minor stipend has been provided from a local or provincial funding agency.

**Funding Details:** The annual stipend is $ 65,000 (MD or equivalent degree) or $ 55,000 (Ph.D. without a MD or equivalent degree) without benefits. Successful applicants are expected to organize their own benefits with the host institution. Stipends are valued in Canadian dollars and are taxable. It is expected that 50% of the award will be contributed by the KRESCENT Program and 50% will be contributed by the host institution.

**Additional Details**
*Internal HRS Deadline: January 18, 2018*
*Sponsor Deadline: February 1, 2018*

**The Kidney Foundation of Canada: KRESCENT New Investigator Award**
The KRESCENT program New Investigator Award is awarded to individuals who have clearly demonstrated excellence during their pre-doctoral and post-doctoral training in kidney disease. The Award provides salary support for up to three years of the faculty appointment at the rank of Assistant Professor or its equivalent at a Canadian University. The purpose of this award is to assist such an individual to become established as a fully independent investigator in the field of kidney disease. Preference may be given to candidates who have been awarded and successfully completed a KRESCENT program Post-Doctoral Fellowship or Allied Health Doctoral Scholarship.
**Funding Details:** The annual stipend is $70,000 (MD or equivalent degree) or $65,000 (Ph.D. without a MD or equivalent degree) without benefits. Stipends are valued in Canadian dollars and are taxable. It is expected that 50% of the award will be contributed by the KRESCENT Program and 50% by the host institution.

**Additional Details**
**Internal HRS Deadline:** January 18, 2018  
**Sponsor Deadline:** February 1, 2018

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**Burroughs Wellcome Fund: Collaborative Research Travel Grants**

The Collaborative Research Travel Grant (CRTG) program provides up to $15,000 in support for relatively unrestricted travel funds to academic scientists (faculty and postdocs) at U.S. or Canadian degree-granting institutions. Grants must be used for domestic or international travel to another lab to learn new research techniques or begin or continue a collaboration to address biomedical questions. All proposals must be cross-disciplinary. Applicants with a doctoral degree in the physical, mathematical, or engineering sciences working on a biological problem are encouraged to apply. Conversely, proposals from biological scientists who desire to collaborate with a physical scientist, mathematician, or engineer are also encouraged to apply.

**Funding Details:** The Collaborative Research Travel Grant (CRTG) program provides up to $15,000

**Additional Details**
**Internal HRS Deadline:** January 18, 2018  
**Sponsor Deadline:** February 1, 2018

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**Spencer (Spencer Foundation): Small Research Grants**

The Small Research Grants program is intended to support education research projects with budgets of $50,000 or less. In keeping with the Spencer Foundation’s mission, this program aims to fund academic work that will contribute to the improvement of education, broadly conceived. Historically, the work that has been funded through these grants has spanned a range of topics and disciplines, including education, psychology, sociology, economics, history, and anthropology, and they employ a wide range of research methods. The following examples of recently funded small grants illustrate the diversity of what the Spencer Foundation supports:

- an experimental study of how college students use visual representations in solving math problems  
- a study exploring the process of racial and rural identity formation among African American high-school students who attend de facto segregated schools in the rural South  
- a mixed-methods study focusing on the different types of knowledge novice and experienced teachers draw on in teaching for reading comprehension

**Funding Details:** Up to $50,000

**Additional Details**
**Internal HRS Deadline:** January 18, 2018  
**Sponsor Deadline:** February 1, 2018

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**Spencer (Spencer Foundation): The New Civics**

The New Civics initiative area invites research proposals that ask critical questions about how education can more effectively contribute to the civic development of young people. As a start, the Spencer Foundation asks what experiences, environments, and contexts help young people, from all walks of life, develop the habits, skills, understandings, and dispositions that encourage informed participation in civic affairs.

**Funding Details:** Up to $50,000

**Additional Details**
**Internal HRS Deadline:** January 18, 2018  
**Sponsor Deadline:** February 1, 2018
**Women’s College Hospital: Women’s Xchange 15K Challenge**

Women’s Xchange invites you to apply for the $15K Challenge. The $15K Challenge awards up to $15,000 to individuals in organizations working to advance the health of women and girls in Ontario. Funding is available for one year to support research projects that address women’s health issues at the local level. From help on framing a research question to aid in communicating the results of your project to others, Women’s Xchange wants to support you. Women’s Xchange can help transform your ideas into research that will make an impact in the communities you serve.

**Funding Details:** The $15K Challenge awards up to $15,000 to individuals in organizations working to advance the health of women and girls in Ontario. Funding is available for one year to support research projects that address women’s health issues at the local level.

**Additional Details**
- **LOI deadline:** January 8, 2018
- **Internal HRS Deadline:** January 25, 2018
- **Sponsor Deadline:** February 8, 2018

**National Multiple Sclerosis Society: Research Grants**

The National MS Society welcomes applications for studies related to multiple sclerosis that may serve to advance our mission of stopping MS progression, restoring function and improving 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.

**Funding Details:** Applicants are required to provide an estimate of the total cost of the proposed project.

**Additional Details**
- **Internal HRS Deadline:** January 31, 2018
- **Sponsor Pre-application Deadline:** February 7, 2018
- **Sponsor Deadline:** February 14, 2018

**MITACS Elevate Winter 2018 Call for Proposals**

Mitacs Elevate is a postdoctoral fellowship with a customized research management training component. Fellows address complex challenges through:

- An exclusive research management curriculum for postdoctoral fellows in any discipline
- A minimum one-year research project (normally two years in duration) with a partner organization in need of high-level expertise
- A Partner Organization Business Case, developed to outline project objectives, risks, and stakeholder success criteria, and ensure project value

Elevate fellows progress through the program in a cohort, giving them cross-disciplinary networking and peer-learning opportunities they might not have otherwise in their careers. Over the two-year fellowship, Elevate fellows divide their time between their partner organization project and university-based research with their faculty supervisor.

**Funding Details:** $55,000 minimum annual stipend/salary (for fellowships awarded after April 1, 2018) Training curriculum valued at $7,500 per year

**Additional Details**
- **LOI deadline:** January 24, 2018
- **Internal HRS Deadline:** February 7, 2018
- **Sponsor Deadline:** February 21, 2018

**Canadian Institute for Advanced Research (CIFAR) Azrieli Global Scholars Program 2018**

CIFAR invites exceptional early career researchers to join CIFAR’s global network of 370 researchers from 18 countries who together are pursuing answers to some of the most complex challenges facing the world today. The CIFAR Azrieli Global Scholars program provides funding, skills training, mentorship, and opportunities to collaborate with outstanding colleagues from diverse disciplines to position scholars as leaders and agents of change within academia and beyond. Applicants can be from anywhere in the world, must
hold a PhD (or equivalent) and be within the first five years of a full-time academic appointment. Scholars’ research interests must be aligned with the themes of an eligible CIFAR research program.

In 2018, the eligible programs are:
- Azrieli Program in Brain, Mind & Consciousness
- Bio-Inspired Solar Energy
- Gravity & the Extreme Universe
- Humans & the Microbiome
- Molecular Architecture of Life

**Funding Details:** $100,000 CDN in unrestricted research support

**Additional Details**
Internal HRS Deadline: **February 8, 2018**
Sponsor Deadline: **February 22, 2018**
*If you plan to apply, contact Tracy Arabski, Associate Director, HRS, at arabski@mcmaster.ca or ext. 22515*

**Weston Brain Institute: Transformational Research Canada 2018 Neurodegenerative Diseases of Aging**
The Weston Brain Institute is delighted to launch their Transformational Research: Canada 2018 Program to fund transformative, novel, high-risk, high-reward translational research projects with excellent preliminary data. Their goal is to provide funding for translational research that will accelerate the development of therapeutics for neurodegenerative diseases of aging. Eligible Principal Applicants must be researchers working in Canada at least 30% of the time at or above the level of Assistant Professor or equivalent, and be affiliated with a Canada Revenue Agency-qualified donee institution located in Canada. Co-Applicants/Collaborators must be at the post-doctoral level or above and can be working outside Canada.

**Funding Details:** A maximum of $1,500,000 over up to 3 years per project

**Additional Details**
LOI deadline: **February 15, 2018** *Extended*
Sponsor Deadline (By invite only): **March 2018**

**The Greenwall Foundation: Making a Difference in Real-World Bioethics Dilemmas**
The Greenwall Foundation is requesting proposals for the Spring 2018 cycle of its bioethics grants program, Making a Difference in Real-World Bioethics Dilemmas, to support research to help resolve an important emerging or unanswered bioethics problem in clinical care, biomedical research, public health practice, or public policy. Their aim is to fund innovative projects that will have a real-world, practical impact. Priority for funding will be given to collaborative projects involving a bioethics scholar and persons with on-the-ground experience in organizations where bioethics dilemmas arise, for example, in clinical care; biomedical research; biotechnology, pharmaceutical, big data, and artificial intelligence companies; or public service. Such collaboration can identify specific bioethics problems that clinicians, researchers, policymakers, public health officials, and others face in their daily work, and facilitate practical resolutions. Reviewers will be looking for evidence of a history of collaborative research and a strong collaborative plan. Applicants are also strongly encouraged to engage with relevant lay or community stakeholders throughout their project.

**Funding Details:** The Greenwall Foundation will fund 10% indirect costs to the grantee institution for salary and benefits only. Salaries for investigators are capped at 1.5x the current NIH cap for the basis of the percent effort allocation and fringe rates will be capped at 35%

**Additional Details**
LOI Deadline: **January 8, 2018**
Internal HRS Deadline: **February 22, 2018**
Sponsor Deadline (By invite only): **March 8, 2018**

**Ontario-Jiangsu Industrial Research and Development Program (OJIRDP)**
The Ontario-Jiangsu Industrial Research and Development Program (OJIRDP) will support joint industrial R&D projects focusing on the development of products or processes that may lead to commercialization in global markets. A partnership of the Jiangsu
Science and Technology Department (JSTD) and the Ontario Ministry of Research, Innovation and Science (MRIS), the OJIRDP will support projects leading to commercial success and socio-economic benefits for both jurisdictions.

**Funding Details**: Successful Ontario applicants may receive a maximum of $125,000 CAD per project (for academic applicants) or $150,000 CAD per project (for company applicants) from OCE under the OJIRDP program, to fund the Ontario portion of the project.

**Additional Details**

**LOI Deadline**: January 15, 2018
**Internal HRS Deadline**: March 1, 2018
**Sponsor Deadline (By invite only)**: March 15, 2018

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**The Alton Ochsner Award Relating Smoking and Disease 2018**

Nominations are now being accepted for the 33rd Annual Alton Ochsner Award Relating Smoking and Disease. Nominations must be made by a letter (online) that describes in detail, but concisely, the scientific work and major contributions of the investigator to the field. Self-nominations are excluded. All nominations must include and be supported by:

1. the candidate’s curriculum vitae (containing an active mailing address, office telephone and cellular telephone number, and e-mail address, and bibliography);
2. at least two additional supporting letters of recommendation by scientific peers from outside the candidate’s institution; and
3. reprints of at least three pertinent major supporting scientific contributions.

The Award Committee is now accepting nominations and supporting material in PDF format only by e-mail sent to Ochsner at AOSRA@ochsner.org. Documents submitted in a format other than PDF by e-mail will not be considered.

**Funding Details**: $15,000 will be presented to one to three investigators.

**Internal HRS Deadline**: March 16, 2018
**Sponsor Deadline**: March 31, 2018

*To apply or for additional details, contact Catherine Gill Pottruff or Serena Jennings, Senior Grants Advisors, HRS, at gillc@mcmaster.ca or sjenn@mcmaster.ca respectively*

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**MITACS Accelerate Internship Opportunities**

Five United Ways across Canada have come together in a pilot partnership with Mitacs to provide funding and training for graduate students and postdocs for research related to social inclusion. Social Inclusion as an issue is of broad interest to United Way’s across Canada and the United Way movement worldwide. Inclusion is a strategy to leverage diversity. Diversity always exists in social systems. Inclusion, on the other hand, must be created. In order to leverage diversity, an environment must be created where people feel supported, listened to and able to do their personal best. Social inclusion (sometimes referred to as a sense of belonging) is the act of making all groups of people within a society feel valued and important. It is the process of improving the terms on which individuals and groups take part in society—improving the ability, opportunity, and dignity of those disadvantaged on the basis of their identity.

**Funding Details**: Get a stipend/salary starting at $10,000 per four-month period

**Additional Details**

**LOI Deadline**: January 8, 2018
**Internal HRS Deadline**: March 19, 2018
**Sponsor Deadline**: April 1, 2018

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

The Misk Foundation, the non-profit philanthropic foundation established by Saudi Arabia’s Crown Prince Mohammed bin Salman, and the Bill & Melinda Gates Foundation have partnered to launch Misk Grand Challenges. This initiative seeks to empower youth both with the skills that they need to succeed in the knowledge economy and with the passion required to tackle the world’s most challenging problems. Ultimately, the initiative hopes to nurture a new generation of leaders who will transform both local and global communities.

**Funding Details**: Awards total $100,000 USD each, provided over 2 years, with an opportunity to apply for follow-on funding.
Patient-Centered Outcome Research Institute (PCORI): Pragmatic Clinical Studies to Evaluate Patient-Centered Outcomes

PCORI seeks to fund pragmatic clinical trials, large simple trials, or large-scale observational studies that compare two or more alternatives for addressing prevention, diagnosis, treatment, or management of a disease or symptom; improving healthcare system-level approaches to managing care; communicating or disseminating research results to patients, caregivers, or clinicians; or eliminating health or healthcare disparities. Proposed studies must address critical healthcare choices faced by patients, their caregivers, clinicians, or delivery systems. They must involve broadly representative patient populations and be large enough to provide precise estimates of hypothesized effectiveness differences and to support evaluation of potential differences in treatment effectiveness in patient subgroups.

Funding Details: Funds up to $90 Million ($10 Million Total Direct Costs) for a Maximum period of 5 years.

Natural Sciences and Engineering Research Council of Canada (NSERC): Strategic Partnership Grants for Projects

Strategic Partnership Grants for Projects (SPG-P) fund early-stage project research in targeted areas. To be funded, a research project must meet the following requirements:

- The project must support the goal of Strategic Partnership Grants and fall within one of the target areas.
- The objectives and scope of the project must be well-defined. The duration may be from one to three years.
- At least one academic researcher and at least one supporting organization must collaborate in the project.
- The supporting organization must be actively involved in all stages of the project; therefore, in-kind contributions are required, but cash is not.

Funding Details: The amount requested is usually what is awarded. However, the principal investigator must provide justification for the need for funds, and a project may be awarded with a reduced budget. Purchase of major equipment items or systems is limited to a maximum of $150,000 total.

**MITACS Accelerate Fellowship**

The Mitacs Accelerate Fellowship provides a long-term funding and internship option for master’s and PhD students. Recipients can also access professional development training that helps them ensure project success and gain in-demand career skills. Interested applicants can apply for the Accelerate Fellowship at any time. All other Accelerate program guidelines apply.

Funding Details:

- **Master’s students** - $40,000 total research award for 18 mos. Minimum intern stipend is $30,000 and partner organization contribution is $18,000
- **PhD students** - $80,000 total research award for 36 mos. Minimum intern stipend is $72,000 (24,000/year) and partner organization contribution is $36,000
Weston Brain Institute: Early Phase Clinical Trials: Canada

Neurodegenerative diseases of aging are among the least understood and most undertreated diseases today. If ignored, the social and economic costs of managing these diseases will continue to rise. Meeting these challenges requires pioneering approaches to accelerating treatments. The Early Phase Clinical Trials: Canada program was created to provide funding support for clinical trials and clinical trial sub-studies that have excellent preliminary data. Eligible Principal Applicants must be at or above the level of Assistant Professor or equivalent, and be affiliated with a Canada Revenue Agency-qualified donee institution located in Canada. Co-applicants and Collaborators must be at the post-doctoral level or above, and can be working outside Canada.

An application requires the submission of a Letter of Intent which will be reviewed by our scientific review committee. Applicants with high potential projects will then be invited to submit a Proposal. Instructions for submitting the Proposal will be forwarded to those invited. Applicants can expect to receive the outcome of their LOI application approximately 2 months after submission.

Funding Details: A maximum of $1,500,000 per project over up to 4 years.

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

CIFAR is announcing the launch of a new opportunity to explore key questions of global importance that can best be addressed through interdisciplinary, international teams. We have designed a research workshop program for short-term, time-limited interactions of 10 to 20 people.

Funding Details: A high-level budget is required for up to a maximum of $50,000 CAD

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

This award program is designed to enhance our existing support of autism research by providing timely resources to enable focused experiments highly relevant to our mission. A deeper understanding of the mechanisms underlying autism spectrum disorders or potential therapeutic approaches will require investigation at multiple levels, including but not limited to studies focused on gene discovery, molecular mechanisms, circuits, anatomy, and cognition and behavior. We will consider proposals at all of these levels.

Funding Details: SFARI will support applications for maximum of $80,000, including indirect costs, for one year, non-renewable.

OCE Voucher for Innovation and Productivity (VIP I) Program

The VIP I Program brings industry and academia together to solve industry’s innovation challenges. It helps eligible companies develop, implement and commercialize technical innovations by supporting partnerships between Ontario’s industry and publicly funded post-secondary institutions. The program supports collaborations between industry and post-secondary institutions up to 12 months in duration that lead to knowledge mobilization, commercialization and increased productivity with significant economic impact (i.e. generating new revenues and high-value jobs) for Ontario including the development of new products and/or processes, facilitate productivity improvements. Open to all disciplines, but it has to be a for-profit. Company must have been in operation for a minimum of two years, AND have a minimum of two full-time employees.

Funding Details: OCE will support up to 50% of the eligible research costs, to a maximum OCE investment of $20,000.
**OCE Voucher for Innovation and Productivity II (VIP II) Program**

The VIP II program helps established Ontario-based companies develop, implement and commercialize technical innovations by supporting partnerships with publicly-funded post-secondary institutions. Projects funded through VIP II address company needs by enabling the development of new products and/or processes, or facilitating productivity improvements, by leveraging post-secondary institutions’ skills and resources. Projects must ultimately help generate new revenues and create high-value jobs for Ontario companies. You can also leverage your sponsor’s contribution through the NSERC CRD program for additional research funds.

**Funding Details:** The VIP II program supports collaborations between companies and publicly-funded post-secondary institutions for durations of 12 and 24 months to a maximum of $150,000

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**TalentEdge Internship Program (TIP)**

Ontario’s TalentEdge Internship Program (TIP) provides support for current college and university students (specifically current graduate students and final year undergraduate students), and recent Masters graduates (within three years of graduation), to work on industry-driven research and development projects. Projects must have a clearly-defined R&D component, where R&D is defined by the discipline and is inclusive of all areas of specialization and disciplines. The TalentEdge Internship Program is open to students and recent graduates from across all disciplines, and all areas of specialization.

**Funding Details:** Each four-month internship is valued at $20,000 as follows: $10,000 contribution from OCE; $5,000 company cash contribution; $5,000 company in-kind contribution. It is possible to also leverage your sponsor’s contribution through the NSERC CRD program for additional research funds.

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**TalentEdge Fellowship Program**

Ontario’s TalentEdge Fellowship Program (TFP) provides support for Ontario-based PhD graduates and post-doctoral fellows to work on industry-driven research and development projects. Companies can tap into world-class talent coming out of Ontario's publicly-funded post-secondary institutions and strengthen their capacity to develop new products, services, and processes.

**Funding Details:** Each 12-month fellowship is valued at $85,000 as follows

- $35,000 contribution from OCE
- $25,000 company cash contribution
- $25,000 company in-kind contribution

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**MITACS Accelerate Program**

Canada’s premiere research internship program provides interns with the opportunity to transfer their skills from theory to real-world application, while companies gain a competitive advantage by accessing high-quality research expertise. Interns spend approximately half their time on-site with the industry partner; the remainder is spent at the university advancing the research under the guidance of a faculty supervisor. Not-for-profit organizations are eligible.

**Funding Details:** Funding starts at $15,000
**MITACS Globalink Partnership Award**
The Mitacs Globalink Partnership Award supports research collaborations between graduate students at Canadian universities and international industry partners. The award is open to graduate students in all disciplines at Mitacs Full, Associate and Honorary Partner universities and for-profit companies in any country (except the United States).

**Funding Details:** A $15,000 CAD research grant in the Canadian professor’s name to support student travel and accommodation expenses, research-related expenses, and student stipend.

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**Department of Defense Psychological Health/Traumatic Brain Injury Research Program (PH/TBIRP) Applied Behavior Analysis Clinical Study Award**
This award supports a prospective clinical study that will evaluate the effectiveness of the tiered delivery model of Applied Behaviour Analysis (ABA) for individuals diagnosed with Autism Spectrum Disorder (ASD). Findings from the clinical study should lead to a thorough and detailed understanding of the outcomes of ABA services delivered to participants diagnosed with ASD who receive tiered model ABA services. The proposed clinical study should address the following list of variables (not all-inclusive): ASD symptom severity, cognitive and adaptive functioning, ABA services, services other than ABA utilized, and other demographic variables. Although not required, investigators are strongly encouraged to include TRICARE beneficiaries diagnosed with ASD in the study population.

**Funding Details:** Maximum funding of $7,000,000 for direct and indirect costs for a maximum of 4 years.

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**Department of Defense Lupus Research Program (LRP) Funding Opportunities for Fiscal Year 2017**
The Department of Defense has announced two new funding opportunities in the LRP for fiscal year 2017.

- **Concept Award** – Investigators at all academic levels are eligible. This award supports high-risk studies that have the potential to reveal new avenues for investigation into lupus.

- **Impact Award** – Only assistant professor level or above (or equivalent) are eligible. This award supports new high-risk, high-reward ideas that could lead to critical discoveries or major advancements in the field of lupus research. Applications must describe how the new idea will enhance existing knowledge of lupus or develop a novel course of investigation.

**Funding Details:**
- **Concept Award** – Maximum funding of $150,000 for direct and indirect costs for a maximum of 1 year.
- **Impact Award** – Maximum funding of $525,000 for direct and indirect costs for a maximum of 3 years.

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**Department of Defense Kidney Cancer Research Program (KCRP) Funding Opportunities for Fiscal Year 2017**
Four new awards are available. Please refer to the additional details link for more information from the DoD website.
Funding Details:

- **Consortium Development Award** – Maximum Funding of $1 Million Total Costs for a maximum of 2 years.
- **Idea Development Award** – Maximum Funding of $400,000 for direct and indirect costs for a maximum of 3 years.
- **Concept Award** – Maximum Funding of $75,000 for direct and indirect costs for a maximum of 1 year.
- **Translational Research Partnership Award** – Maximum Funding of $600,000 for direct and indirect costs for a maximum of 3 years.

**Additional Details**

**LOI Deadline:** December 20, 2017 (A pre-application is required and must be submitted through eBRAP)

**Internal HRS Deadline:** n/a

**Sponsor Deadline:** January 4, 2018

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**Department of Defense Psychological Health/Traumatic Brain Injury Research Program (PH/TBIRP) Peer Support Program (PSP) Translational Research Award**

Applications to the FY17 PSP Translational Research award should examine the efficacy and effectiveness of peer-to-peer support interventions to translate and integrate content into the everyday routines of Service members to enhance psychological health readiness and mitigate negative behavioral health issues including suicide behaviors. Applications should focus on research to evaluate the efficacy and effectiveness of peer support programs that could be implemented in the military.

**Funding Details:** Maximum Funding of $3M for direct and indirect costs for a maximum of 3 years

**Additional Details**

**LOI Deadline:** January 5, 2018 (A pre-application is required and must be submitted through eBRAP)

**Internal HRS Deadline:** January 12, 2018

**Sponsor Deadline:** January 19, 2018

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**Department of Defense Medical Research and Development Program (DMRDP) Accelerating Innovation in Military Medicine (AIMM) Research Award**

The AIMM Research Award is intended to support highly creative and conceptually innovative high-risk research with the potential to accelerate critical discoveries or major advancements that will significantly impact military health and medicine. AIMM initiative funding supports novel research concepts and other efforts that initiate or enhance potential game-changers that may not be supported by other funding mechanisms or core programs. Applications using synthetic or systems biology-based approaches are highly encouraged.

**Funding Details:** Maximum Funding of $350,000 for direct and indirect costs for a maximum of 18 months.

**Additional Details**

**LOI Deadline:** January 26, 2018 (A pre-application is required and must be submitted through eBRAP)

**Internal HRS Deadline:** February 2, 2018

**Sponsor Deadline:** February 9, 2018
In this issue:

- **CANARIE (Canadian Network for the Advancement of Research Industry and Education):** Research Software Program Competitive Funding Call 2b: Research Software Re-Use at the Platform Level – Webinars December 19, 2017, January 11, 12, 2018; Application deadline March 12, 2018
- **Women’s College Hospital, Women’s Xchange: $15K Challenge** – Notice of Intent deadline January 8, 2018; Application deadline February 8, 2018
- **The Greenwall Foundation:** Making a Difference in Real-World Bioethics Dilemmas – Letter of Intent deadline January 8, 2018
- **Canadian Frailty Network, 2018 Catalyst Grant Competition Call for Proposals:** Top 10 Canadian Frailty Priorities – Intent to Apply deadline January 15, 2018; Application deadline February 26, 2018
- **Canadian Space Agency: Flights and Fieldwork for the Advancement of Science and Technology (FAST)** – Application deadline January 15, 2018
- **Crohn’s & Colitis Foundation:** Entrepreneurial Investing Initiative – Letter of Intent deadline January 22, 2018
- **Genome Canada: 2017 Bioinformatics and Computational Biology (B/CB) Competition** – Ontario Genomics Draft Registration deadline January 24, 2018, Final Registration deadline January 31, 2018; Ontario Genomics Draft Application deadline February 7, 2018, Final Application deadline March 28, 2018
- **Government of Canada, Natural Resources Canada:** Clean Growth Program – Letter of Interest deadline February 7, 2018
- **World Anti-Doping Agency (WADA):** 2018 Scientific Research Grants – Application deadline February 15, 2018
- **Wabash Center:** Project Grants – Application deadline February 15, 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.

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.

• **Canadian Institute for Advanced Research (CIFAR): CIFAR Azrieli Global Scholars** – Application deadline February 22, 2018

*Previously announced:*

• **Canadian Institute for Advanced Research (CIFAR): Global Call for Ideas, Second Call** – Notify ROADS of Intent to Apply by December 4, 2017; Letter of Intent deadline January 21, 2018

• **Social Sciences and Humanities Research Council (SSHRC): Insight Development Grants** – Notify ROADS of intent to apply by December 8, 2017; SSHRC Application deadline February 2, 2018

• **Social Sciences and Humanities Research Council (SSHRC): Partnership Grants – Stage 1** – Notify ROADS of intent to apply by December 8, 2017; SSHRC Stage 1 Application deadline February 15, 2018

• **Social Sciences and Humanities Research Council (SSHRC): Connection Grants** – Notify ROADS of intent to apply by December 15, 2017; SSHRC Application deadline February 1, 2018

• **National Multiple Sclerosis Society: Grants** – Pre-application deadlines January 8, February 7, 2018

• **Canadian Institute for Military and Veteran Health Research, Government of Canada, Defense Research and Development Canada: Request for Proposals, “Development of a sensor system for rapid quantification of small (100-300Da) molecules in complex biological fluids”** – Notice of Interest/Application deadline January 8, 2018

• **Jiangsu Science and Technology Department (JSTD) and the Ontario Ministry of Research, Innovation and Science (MRIS): Ontario-Jiangsu Industrial Research and Development Program (OJIRDP), Round 2** – Expression of Interest deadline January 15, 2018

• **Office of the Privacy Commissioner of Canada: 2018-2019 Contributions Program** – Application deadline January 16, 2018

• **Natural Sciences and Engineering Research Council of Canada (NSERC): Strategic Partnership Grants for Projects** – McMaster Industry Liaison Office (MILO) Letter of Intent deadline January 19, 2018; NSERC Letter of Intent deadline February 1, 2018

• **Crohn’s and Colitis Canada: 2018 Innovations in IBD Research Competition** – Application deadline January 19, 2018

• **Department of Defense, Congressionally Directed Medical Research Programs: FY17-18 Defense Medical Research and Development Program (DMRDP): FY17 Accelerating Innovation in Military Medicine (AIMM) Research Award** – Pre-application/Letter of Intent deadline January 26, 2018; Application deadline February 9, 2018
• **Tinker Foundation Incorporated: Institutional Grants -** Letter of Inquiry deadline January 29, 2018; Application deadline March 1, 2018

• **Graham Foundation: Grants to Organizations –** Notify ROADS of Intent to Apply by January 29, 2018; Application deadline February 25, 2018

• **Academy of Motion Picture Arts and Sciences: Academy Film Scholars –** Application deadline January 31, 2018

• **Alpine Club of Canada (ACC): ACC Environment Grant –** Application deadline January 31, 2018

• **Parkinson Canada: Grants –** Application deadline February 1, 2018

• **Burroughs Wellcome Fund: Collaborative Research Travel Grants –** Application deadline February 1, 2018

• **The Lung Association – Ontario, Ontario Respiratory Care Society (ORCS): ORCS Research Grant –** Application deadline February 1, 2018

• **Spencer (Spencer Foundation): Small Research Grants and The New Civics –** Application deadline February 1, 2018

• **Alexia Foundation: Alexia Professional Grant –** Application deadline February 1, 2018

• **The Kidney Foundation of Canada, Kidney Research Scientist Core Education and National Training Program (KRESCENT): New Investigator Award –** Application deadline February 1, 2018

• **World Wood Day Foundation (WWDF): Call for Proposals, WWDF Research Grant, 2018-2019 –** Application deadline February 12, 2018

• **Weston Brain Institute, Transformational Research: Canada 2018, Neurodegenerative Diseases of Aging – extended** Letter of Intent deadline February 15, 2018

• **Misk Foundation and the Bill & Melinda Gates Foundation: Misk Grand Challenges – (approximate)** Application deadline May 14, 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.

CANARIE (Canadian Network for the Advancement of Research Industry and Education): Research Software Program Competitive Funding Call 2b: Research Software Re-Use at the Platform Level

The purpose of CANARIE is to 1) fund and promote reusable research software tools to accelerate scientific discovery, 2) support Research Data Canada, 3) provide identity management services that enable secure, ubiquitous connectivity and content access to the academic community.

CANARIE has announced a second Call for Proposals that invests in research software teams to adapt their existing research platforms to support researchers from other disciplines.

https://www.canarie.ca/canarie-issues-4-5m-call-for-proposals-supporting-re-use-of-research-software/

Webinars

CANARIE is hosting informational webinars to discuss and answer questions regarding the Call.

December 19, 2017, register at: https://canarie.zoom.us/webinar/register/WN_JemnD3ljqeCVlotAkreeXw
January 11, 2018, register at: https://canarie.zoom.us/webinar/register/WN_FQxDme3LQlajVE7Yx20Aqg
January 12, 2018, register at: https://canarie.zoom.us/webinar/register/WN_EO12Vnp1SS-93fEdfQyXFQ

Value:
maximum per project $225,000, as follows:

a) maximum $100,000 for software development over a maximum 12 months

Additional funding is available to support ongoing maintenance of the platform, the development of additional platform functionality, onboarding of additional research teams, and user support.

b) maximum $125,000 of post development platform maintenance and support for the 15 months ending September 30, 2020.

All projects are required to contribute in-kind costs that are equivalent to at least 15% of the total eligible project costs. (review Schedule of Eligible Costs, at https://www.canarie.ca/wp-content/uploads/RS-call-2b_Schedule-of-eligible-costs.pdf)

Application process:
The CANARIE application deadline is March 12, 2018.
**ROADS contact:**
Leanna Fong, Senior Advisor, at fongl@mcmaster.ca or extension 21583

**Women’s College Hospital, Women’s Xchange: $15K Challenge**

The objective of the **$15K Challenge** is to support Ontario grassroots research projects to organizations helping to advance the health of women and girls.

Potential projects may include:

1) identifying unmet needs within a defined community;
2) exploring or testing effective solutions to problems;
3) increasing the understanding of factors that influence women’s health.


**Value:**
(non-renewable) $15,000 for 1 year

**Application process:**
The notice of intent deadline is **January 8, 2018**. The application deadline is **February 8, 2018**.

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

**The Greenwall Foundation: Making a Difference in Real-World Bioethics Dilemmas**

The Greenwall Foundation’s bioethics grants program, **Making a Difference in Real-World Bioethics Dilemmas**, supports research to help resolve an important emerging or unanswered bioethics problem in clinical care, biomedical research, public health practice, or public policy.

Priority topics:

1) Developments in artificial intelligence.
2) Responses to the opioid epidemic.
3) Bias and discrimination in clinical care against patients or clinicians based on a broad range of characteristics.
4) Advances in biomedical and clinical research and their translation into clinical practice.
5) Healthcare access, costs, and resource allocation.

Projects may be empirical, conceptual, or normative.


**Value:**
Applicants submit a budget and project duration. Salaries for investigators are capped at 1.5x the current
National Institutes of Health cap for the basis of the percent effort allocation, and fringe rates are capped at 35%. The Greenwall Foundation will fund 10% indirect costs to the grantee institution for salary and benefits only.

Application process:
The Greenwall Foundation letter of intent deadline is January 8, 2018.

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

Canadian Frailty Network (CFN), 2018 Catalyst Grant Competition Call for Proposals: Top 10 Canadian Frailty Priorities

The objective of the Catalyst Grant Competition is to use the results from the Canadian Frailty Priority Setting Partnership to help bring the voices of Canadians living with frailty into the agenda.

The CFN welcomes proposals for research, knowledge translation, or quality improvement studies directly addressing the top ten Canadian frailty priorities. (review Top 10 Frailty Priorities, at http://www.cfn-nce.ca/engaging-canadians/helping-to-set-frailty-priorities/top-ten-frailty-priorities-identified-by-citizens/).

http://www.cfn-nce.ca/improving-evidence-through-research-and-kt/funding-opportunities/2018-catalyst-grant-program/

Value:
maximum $100,000 up to 16 months
All proposals must include partners who have committed cash or eligible in-kind contributions on a 1:1 basis to CFN funding.

Application process:
The CFN intent to apply deadline is January 15, 2018. The application deadline is February 26, 2018.

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

Canadian Space Agency: Flights and Fieldwork for the Advancement of Science and Technology (FAST)

The objective of FAST is to support Canadian universities and post-secondary institutions research projects, that offer hands-on experience in space-like missions to Canadian Highly Qualified Personnel, and more precisely, to students and young researchers (post-doctoral fellows or PDFs) to acquire competencies required by the marketplace.

Space-like missions are projects that allow space experts in academia to propose interesting research suitable to maintain their expertise, attract and train the next generation of space professionals, and prepare future space missions, for example:
1) designing, building, modifying or testing scientific instruments or technologies;
2) using the instruments/technologies in a simulated space environment, or flying them on suborbital or miniature orbital platforms (nanosatellites);
3) developing new approaches to use efficiently technology or applications in space, or for space;
4) conducting data acquisition and/or analysis to address scientific and/or operational objectives.

http://www.asc-csa.gc.ca/eng/ao/2017-fast.asp

Value:
$100,000 to $400,000 over 2 or 3 years
(review *Available Funding and Duration* at http://www.asc-csa.gc.ca/eng/ao/2017-fast.asp#6.1)

Application process:
The Canadian Space Agency application deadline is January 15, 2018.

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

Crohn’s & Colitis Foundation: Entrepreneurial Investing Initiative

The objective of the *Entrepreneurial Investing Initiative* is to 1) support the discovery or development of a novel product with the potential to help patients with inflammatory bowel diseases (IBD), 2) accelerate the development of products that aim to improve the quality of life of patients with IBD.


Value:
$500,000 for 1 year

Application process:
The Crohn’s & Colitis Foundation letter of intent deadline is January 22, 2018.

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

Genome Canada: 2017 Bioinformatics and Computational Biology (B/CB) Competition

The objective of the *B/CB Competition* is to 1) support the development of next generation B/CB tools and methodologies needed to manage, analyze and integrate complex data sets (produced by modern genomics technologies) to better understand the associated biology, 2) provide broad and timely access of the B/CB tools to the research community.

This opportunity is aimed at supporting research projects that address any aspect of bioinformatics and computational biology, as it relates to genomics across all of Genome Canada’s sectors.

Proposal focus areas:
*Stream 1*: proposals mainly impacting the human health sector;
Stream 2: proposals mainly impacting one or more sectors (e.g., agriculture, aquaculture/fisheries, forestry, energy, mining and/or environment.


Value:
$500,000 to $1 million per project (total) up to 3 years
Co-funding: 50% from Genome Canada plus 50% from other eligible sources (1:1)

Application process:
To better prepare the projects being submitted from Ontario for this competition, Ontario Genomics will engage external reviewers and consultants to perform a friendly review of the draft applications. Applicants will receive feedback on their applications, including gaps and areas for improvement, prior to submission to Genome Canada.

The Ontario Genomics draft registration deadline is January 24, 2018. The final registration deadline is January 31, 2018.

The Ontario Genomics draft application deadline is February 7, 2018. The final application deadline is March 28, 2018

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

Government of Canada, Natural Resources Canada: Clean Growth Program

The objective of the Clean Growth Program (CGP) is to support clean technology research, development and demonstration including up to first commercial installations in Canada’s energy, mining and forestry sectors.

Focus areas:

1) Reducing greenhouse gas and air emissions from natural resource operations.
2) Minimizing landscape disturbances and improving waste management in natural resource operations.
3) The production and use of advanced materials and bioproducts, as above (in natural resource operations).
4) Efficient energy use and productivity, as above.
5) Reducing water use and impacts on aquatic ecosystems, as above.

The CGP consists of two separate funding streams:

a) R&D projects, from applied R&D to pilot projects;
b) Demonstration Projects and Front End Engineering Design (FEED) Studies: Demonstration projects including up to first commercial installation.

https://www.nrcan.gc.ca/energy/funding/cgp/20043
**Value:**

*R&D:* $300,000 to $2 million to $5 million per project
The CGP may pay up to 75% of total project costs.

**Demonstration and FEED Studies:** $500,000 to $5 million to $10 million per project
The CGP may pay up to 50% of total project costs.

**Application process:**
The Natural Resources Canada letter of interest deadline is **February 7, 2018.**

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

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**World Anti-Doping Agency (WADA): 2018 Scientific Research Grants**

The objective of the *Scientific Research Grant* is to 1) support innovative, fact-based research to help the anti-doping community identify new trends in doping, new drugs, and new delivery mechanisms, 2) assist researchers around the world to develop breakthroughs in anti-doping science, 3) increase the volume of research dedicated to developing new and improved detection methods for performance-enhancing substances, 4) attract the best minds to this cause. (review Scientific Research Grant Topics at [https://www.wada-ama.org/sites/default/files/2018_researchtopics_en.pdf](https://www.wada-ama.org/sites/default/files/2018_researchtopics_en.pdf))


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

**Application process:**
The WADA application deadline is **February 15, 2018.**

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

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**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.

Eligible projects will 1) promote a sustained conversation regarding pedagogy through the improvement of practical applications of teaching and learning methods, 2) encourage research and study of pedagogical issues, 3) create a supportive environment for teaching. (review *Types of Grant Projects*, at [http://www.wabashcenter.wabash.edu/grants/default.aspx](http://www.wabashcenter.wabash.edu/grants/default.aspx))
The following is available:
2) **Large Project Grants** (review [http://www.wabashcenter.wabash.edu/grants/howtoapply.aspx](http://www.wabashcenter.wabash.edu/grants/howtoapply.aspx)).

**Value:**
*Small Project:* up to $5,000  
*Large Project:* up to $30,000

**Application process:**
The Wabash Centre application deadline for **Small Project Grants** is **any time** during the year. The application deadline for **Large Project Grants** is **February 15, 2018**.

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

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**Canadian Institute for Advanced Research (CIFAR): CIFAR Azrieli Global Scholars**

CIFAR is a Canadian-based, global organization bringing together 370 researchers from 18 countries to work in collaborative research programs, that address some of the most complex challenges facing the world today.

The objective of the **CIFAR Azrieli Global Scholars** program is to support scholars in building their network and developing essential skills to become the next generation of research leaders. Scholars' research interests must be aligned with the themes of an eligible CIFAR research program. For 2018, the eligible programs are:

1) Azrieli Program in Brain, Mind & Consciousness, review: [https://www.cifar.ca/research/brain-mind-consciousness/](https://www.cifar.ca/research/brain-mind-consciousness/);
4) Humans & the Microbiome (review, [https://www.cifar.ca/research/humans-the-microbiome/](https://www.cifar.ca/research/humans-the-microbiome/));

Applicants may be from anywhere in the world, must hold a PhD (or equivalent), and be within the first five years of a full-time academic appointment.

CIFAR Azrieli Global Scholars receive:
- a two-year membership in a CIFAR research program;
- opportunities to network, collaborate and form a community with colleagues from a range of disciplines;
- mentorship from a senior researcher within a CIFAR research program;
- specialized leadership, communications skills training and support.

[https://www.cifar.ca/global-scholars/](https://www.cifar.ca/global-scholars/)

**Value:**
$100,000 in unrestricted research support

**Application process:**
The CIFAR application deadline is **February 22, 2018**.
Canadian Institute for Advanced Research (CIFAR): Global Call for Ideas, Second Call

The objective of the Global Call for Ideas is to invite the global research community to 1) maintain research interactions and engagement through interdisciplinary research networks, 2) shape new perspectives, 3) spark ground-breaking ideas and take intellectual risks, 4) submit proposals for new programs that address complex, fundamental questions of importance to the world.

Ideas must be novel, bold and potentially transformative to warrant the creation of a long-term, multi-disciplinary and collaborative research program.

Value:
CIFAR supports research in two ways:

1) CIFAR brings researchers from across the world together for face-to-face collaboration;
2) CIFAR Fellows receive support on an individual basis for a 5 year period.

The program is only renewed if it is deemed to be transforming fields of study, and if it has charted out an ambitious collaborative research question for the next five years.

The support can be used quite flexibly – for teaching load adjustments, student stipends and postdoctoral fellow support, amongst other uses consistent with the requirements of the researcher’s department and/or university. CIFAR will develop the budget once a program has been approved.

CIFAR does not fund infrastructure or pre-existing research programs.

https://www.cifar.ca/assets/cifar-global-call-for-ideas/

Application process:

ROADS contact:
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
scholars (review Emerging Scholar description 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.


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

Application process:
Notify ROADS of intent to apply by December 8, 2017. The draft Application is due to ROADS by January 10, 2018. The final Application is due to ROADS by January 24, 2018. The SSHRC application deadline is February 2, 2018.

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 mutual co-operation, sharing of intellectual leadership, and resources. Partnership Grants are intended for large teams working in formal collaboration between postsecondary institutions and/or organizations of various types.


Value:
Stage 1: Successful applicants are offered funds up to $20,000 to assist in the preparation of a formal application.
Stage 2 (the formal application by invitation only): $500,000 per year up to $2.5 million in total over 4 to 7 years

Application process:
Notify ROADS of intent to apply by December 8, 2017. The draft Application is due to ROADS by January 2, 2018. The final Application is due to ROADS by February 5, 2018. The SSHRC Stage 1 application deadline is February 15, 2018.

ROADS contact:
Pamela McIntyre, Senior Advisor, 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. 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 December 15, 2017. The draft Application is due to ROADS by January 11, 2018. The final Application is due to ROADS by January 23, 2018. The SSHRC application deadline is February 1, 2018.

**ROADS contact:**

Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
National Multiple Sclerosis Society: Grants

The National Multiple Sclerosis Society has recently announced the following funding opportunities:

1) **Pilot Research Grants**, the objective: to test innovative, cutting-edge ideas or untested methods, and to gather sufficient preliminary data to apply for longer-term funding. Focus: Studies related to multiple sclerosis (MS) to a) stop MS progression, b) restore function, c) improve quality of life, d) prevent MS.

https://www.nationalmssociety.org/For-Professionals/Researchers/Society-Funding/Pilot-Research-Grants

2) **Research Grants**, the objective: to support studies with high relevance to MS and the Society’s research priorities. (review Research Funding Principles and Priorities at https://www.nationalmssociety.org/For-Professionals/Researchers/Society-Funding/Research-Funding-Principles-and-Priorities).

https://www.nationalmssociety.org/For-Professionals/Researchers/Society-Funding/Research-Grants

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/Search?q=research%2bgrants&stype=0&chap=0

**Value:**

**Pilot:** $40,000 for 1 year

**Research:** Applicants are required to provide an estimate of the total cost of the proposed project.

**Application process:**

**Pilot:** The National Multiple Sclerosis Society pre-application deadline is **January 8, 2018**. The application deadline is **January 10, 2018**.

**Research:** The National Multiple Sclerosis Society pre-application deadline is **February 7, 2018**. The application deadline is **February 14, 2018**.

**ROADS contact:**

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

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**Canadian Institute for Military and Veteran Health Research (CIMVHR), Government of Canada, Defense Research and Development Canada: Request for Proposals, “Development of a sensor system for rapid quantification of small (100-300Da) molecules in complex biological fluids”**

Defence Research and Development Canada is seeking a research team to investigate surface chemistry modifications of 3D printable thermoplastics for covalent attachment of bioactive proteins in a full/complete monolayer, suitable for capturing small-molecule analytes in saliva.

The objective of this work is to develop full, working prototypes of hand-held biosensors that are capable of rapidly quantifying small concentrations of analyte in complex biological fluids. (review Qualifications at https://cimvhr.ca/cimvhr-opportunities)

**Value:**

$146,000 plus applicable overhead
All deliverables must be submitted and completed by March 2019.

**Application process:**
The CIMVHR notice of interest/application deadline is **January 8, 2018.**

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

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**Jiangsu Science and Technology Department (JSTD) and the Ontario Ministry of Research, Innovation and Science (MRIS): Ontario-Jiangsu Industrial Research and Development Program (OJIRDP), Round 2**

The objective of the OJIRDP is to 1) support bilateral, industrial and technology collaborations across Ontario and Jiangsu, 2) develop and enhance cooperation to further commercial success and socio-economic benefits for both jurisdictions, 3) drive technology development and commercialization in the global marketplace.

Priority Fields:
- Clean-Tech;
- Information and Communication Technology;
- Life Sciences;
- Advanced and Intelligent Manufacturing.

Ontario and Jiangsu will conduct parallel application processes. Ontario-based organizations must apply directly to the Ontario Centres of Excellence (OCE), and Jiangsu-based companies must apply directly to the Jiangsu Science and Technology Department (JSTD). Applicants may apply for joint bilateral R&D projects involving at least one Jiangsu company, and one Ontario organization (company and/or publicly-funded post-secondary institution).

http://oce-ontario.org/programs/industry-academic-collaboration/ontario-jiangsu-industrial-research-and-development-program-(ojirdp) and
http://www.oce-ontario.org/programs/industry-academic-collaboration/ontario-jiangsu-industrial-research-and-development-program-(ojirdp)/how-it-works

**Value:**
The OCE will support up to 50% of the eligible research costs to a maximum of $125,000 per project (for academic applicants), or $150,000 per project (for company applicants). The JSTD will support up to 50% of the eligible research costs to a maximum of ¥1 million RMB per project.

The maximum total grant amount, including OCE and JSTD contributions, to be received by a project is $275,000 (where the Ontario applicant is a post-secondary institution), or $300,000 (where the Ontario applicant is a company). Contributions by the OCE and the JSTD must be matched at least 1:1 in cash and/or in-kind by applicants/partners in Ontario and Jiangsu, respectively. The duration of the project must be between 1 and 3 years.

**Application process:**
The OCE expression of interest deadline is **January 15, 2018.**
Office of the Privacy Commissioner (OPC) of Canada: 2018-2019 Contributions Program

The objective of the Contributions Program is to support innovative research and knowledge translation applications that advance strategic privacy priorities:

a) Economics of personal information;
b) Government surveillance;
c) Reputation and privacy;
d) The body as information.


In addition, the OPC is particularly interested in funding projects that aim to promote the development and adoption of Privacy Enhancing Technologies (i.e., technologies that allow online users to protect their private information by letting them decide what data they are willing to share with third parties, and under which circumstances).

All proposals must address issues that fall within the scope of the federal Personal Information Protection and Electronic Documents Act.


Value:
$100,000 for 1 year

Application process:
The OPC application deadline is January 16, 2018.

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

Natural Sciences and Engineering Research Council of Canada (NSERC): Strategic Partnership Grants for Projects

NSERC has announced the 2018 competition for Strategic Partnership Grants (SPG) for Projects. http://www.nserc-crsng.gc.ca/Professors-Professeurs/RPP-PP/SPG-SPS_eng.asp

The following changes have been implemented for this year’s application process:

a) inclusion of a mandatory F183A for each supporting organization in the LOI;
b) the LOI application process will require approval from the institution RGO prior to submission of the application to NSERC;
c) the LOI must be submitted first to the McMaster Industry Liaison Office (MILO) through the NSERC system, and MILO will submit electronically to NSERC.

The internal LOI deadline for MILO is **January 19, 2018** and all applicants are asked to contact MILO as soon as possible. The NSERC LOI deadline is **February 1, 2018**.

**Requirements for the LOI:**

1) Form 189. The LOI is available on the NSERC system. This is a 3 page free-form proposal that must address: a) Objectives and outcomes; b) Fit to target area; c) Originality of the research; d) Quality of the applicants; e) Training potential; f) Relevance and benefit to your partner and potential interactions.

2) F100 for the Lead Applicant only. Other co-investigators expertise is to be described in the 3 page LOI. CVs should not be attached.

3) F183A. This is specific to the SPG LOI phase and will be available through the NSERC site the week of December 4, 2017.

4) The letter of support from your partner(s). Contact MILO for guidelines.

Commitments from partners are not required at the LOI stage, however, any details regarding the anticipated support to be provided will strengthen your LOI.

**McMaster Industry Liaison Office (MILO) contact:**
Ryan Vieira, Research Contracts Advisor (Science and Engineering), at vieirara@mcmaster.ca or extension 22649

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**Crohn’s and Colitis Canada: 2018 Innovations in IBD Research Competition**

The objective of the *Innovations in IBD Research Competition* is to stimulate and support novel or innovative approaches to inflammatory bowel disease. Funding is available for projects that 1) are deemed scientifically excellent, 2) will refine hypotheses and/or produce preliminary data that will help seed larger projects, 3) have the potential to improve diagnosis, therapy, or prevention of IBD.


**Value:**
maximum $50,000 for 1 year

**Application process:**
The Crohn’s and Colitis Canada application deadline is **January 19, 2018**.

**ROADS contact:**
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
Department of Defense (DoD), Congressionally Directed Medical Research Programs: FY17-18 Defense Medical Research and Development Program (DMRDP): FY17 Accelerating Innovation in Military Medicine (AIMM) Research Award

The objective of the DMRDP AIMM Research Award is to support new, highly creative and conceptually innovative high-risk research in:

- medical simulation and information sciences;
- military infectious diseases;
- military operational medicine;
- combat casualty care;
- radiation health effects;
- clinical and rehabilitative medicine.

All projects must have the potential to accelerate critical discoveries, or major advancements that will significantly impact military health and medicine. Applications using synthetic or systems biology-based approaches are highly encouraged.


**Value:**
maximum $350,000 over 18 months

**Application process:**
The DoD pre-application/letter of intent deadline is **January 26, 2018**. The application deadline is **February 9, 2018**.

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

**Tinker Foundation Incorporated: Institutional Grants**

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

The Board of Directors has identified three program areas in which focused, expert research and innovation has the potential to make significant positive impact:

1) **Democratic Governance** (review http://www.tinker.org/content/democratic-governance);
2) **Education** (review http://www.tinker.org/content/education);
3) **Sustainable Resource Management** (review http://www.tinker.org/content/sustainable-resource-management).

Projects must have a strong public policy component, offer innovative solutions to problems facing these regions, and incorporate new mechanisms for addressing these programmatic areas. Activities may include but are not restricted to research projects, workshops and conferences.
The Foundation encourages collaboration among organizations in the United States and Latin America.

http://www.tinker.org/content/institutional-grants

**Value:**
Applicants are required to submit an itemized annual budget for the cost of the project.

**Application process:**
The Tinker Foundation Incorporated letter of inquiry deadline is **January 29, 2018** (or earlier). The Foundation would appreciate receiving inquiries at least four weeks in advance of the application deadline to allow time for consultation with a program officer, and for proposal development.

The application deadline is **March 1, 2018**.

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

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**Graham Foundation: Grants to Organizations**

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

1) assist with the production and presentation of significant programs regarding architecture and the designed environment, in order to promote dialogue, raise awareness, develop new and wider audiences;
2) support the organization in their effort to take risks in programming and create opportunities for experimentation;
3) recognize the vital role the organization plays in providing individuals with a public forum in which to present their work;
4) help the organization to realize projects that would otherwise not be possible without the Foundation’s support.

The Graham Foundation offers *Production and Presentation Grants* to organizations. The 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.

Projects must have clearly defined goals, work plans, budgets, production and dissemination plans.

An organization can only apply for one grant per year. Therefore, if ROADS receives more than one application by **January 29, 2018**, an internal selection committee will be established.

http://www.grahamfoundation.org/grant_programs/?mode=organization

**Value:**
maximum $30,000
Production and Presentation Grants must be completed within 2 years of the project start date.

**Application process:** Notify ROADS of intent to apply by **January 29, 2018**.
The Graham Foundation application deadline is **February 25, 2018**.
**ROADS contact:**
Pamela McIntyre, Senior Advisor, at mcintyp@mcmaster.ca or extension 23713

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

The objective of the *Academy Film Scholars* is to support new English-language projects that address cultural, educational, historical, theoretical or scientific aspects of theatrical motion pictures.

The Academy seeks to:

1) promote diversity;
2) bridge the opportunity divide;
3) attract and engage broad new audiences for theatrical motion pictures;
4) provide a platform for underrepresented artists, the full range of film genres, and a variety of viewpoints and approaches;
5) encourage filmmaking as a vocation;
6) illuminate less visible aspects of filmmaking and the film industry through scholarly research, presentations and discussions.


**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, 2018**.

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

**Alpine Club of Canada (ACC): ACC Environment Grant**

The objective of the *ACC Environment Grant* is to provide support that contributes to the protection and preservation of mountain and climbing environments, including the preservation of alpine flora and fauna in their natural habitat. Funding priority will be given to wilderness conservation projects related to the alpine and Arctic environments, and climbing areas in Canada.

Priority will be given to projects initiated by the Alpine Club of Canada and its members. However, outside agencies and individuals may be supported if their projects meet the mandate of the Fund.


**Application process:**
The ACC application deadline is **January 31, 2018.**

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

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**Parkinson Canada: Grants**

The *Parkinson Canada Research Program* funds research into the 1) cure, cause, progression, improved treatment and/or understanding of Parkinson's disease, 2) related disorders including Multiple System Atrophy, Progressive Supranuclear Palsy, other Parkinson's conditions, 3) 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.  
 **Targeted Competition: Progressive Supranuclear Palsy (PSP)**, 1 Pilot Project Grant available.

2) **New Investigator Award**, the objective: to support junior faculty in the first 5 years of their career as a research scientist in Canada.

[https://parkinsoncan.fluidreview.com/](https://parkinsoncan.fluidreview.com/)

**Value:**

*Pilot Project*: maximum $50,000 for 1 year

Funds granted through the Pilot Project Program will comprise 25-50% of the total amount of funds granted under the Program.

*New Investigator*: maximum $45,000 per year for 2 years

**Application process:**
The Parkinson Canada application deadline is **February 1, 2018.**

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

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**Burroughs Wellcome Fund: Collaborative Research Travel Grants**

The objective of the *Collaborative Research Travel Grant* is to support Ph.D. travel to acquire new interdisciplinary research techniques.

The grant must be used for domestic or international travel to another lab to learn new research techniques, or
begin, or continue a collaboration to address biomedical questions. All proposals must be cross-disciplinary. Proposals from biological scientists who desire to collaborate with a physical scientist, mathematician, or engineer are encouraged to apply.

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

**Value:**
maximum $15,000
Travel cannot extend beyond December 31, 2019.

**Application process:**
The Burroughs Wellcome Fund application deadline is **February 1, 2018**.

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

**The Lung Association – Ontario, 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. The research may include investigation of any phenomenon pertinent to illness assessment, management, or response of the individual with a respiratory condition. The research may also be aimed at health promotion, education, and prevention issues. Studies may use quantitative or qualitative methodologies.

The established focus areas include: 1) Asthma; 2) Air Quality; 3) Smoking-related lung disease.

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

**Value:**
Applicants are required to submit a budget for 1 year.

**Application process:**
The ORCS application deadline is **February 1, 2018**.

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

**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, 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 **February 1, 2018** (May 1, August 1, November 1, 2018).

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

**Alexia Foundation: Alexia Professional Grant**

The objective of the *Alexia Professional Grant* is to enable professional photographers and visual journalists to produce substantial bodies of work promoting world peace and cultural understanding.

The Alexia Foundation Grants were created to support still photographers, however, the Foundation recognizes the profession calls for a diverse range of story forms. Therefore, while a submission must have a set of still photographs, applicants may also include other story forms (e.g., audio, motion, virtual reality, or any other visual format). Work that helps bring about change is more valued.

http://www.alexiafoundation.org/grants/professional_rules

**Value:**
$20,000 for the production of the proposed project
There is a $50 application fee.

**Application process:**
The Alexia Foundation application deadline is **February 1, 2018**.

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

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

The objective of the *New Investigator Award* is to support individuals who have clearly demonstrated excellence during their pre-doctoral and post-doctoral training in kidney disease. The award will 1) provide salary support of the faculty appointment at the rank of Assistant Professor, or its equivalent, at a Canadian University, 2) assist the individual to become established as a fully independent investigator.
Application for this award must be initiated by the university, or the institution at which the candidate will conduct the proposed research. The university or institution is expected to guarantee the applicant appropriate academic rank and to provide adequate space and facilities for the investigator’s 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.


Value:
The annual stipend is $65,000 (Ph.D. without a MD or equivalent degree) and $70,000 (MD or equivalent degree), without benefits, up to 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 of $25,000 of Infrastructure Support (e.g., laboratory start-up costs and support staff).

Application process:
The Kidney Foundation of Canada application deadline is **February 1, 2018**.

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

**World Wood Day Foundation (WWDF): Call for Proposals, WWDF Research Grant, 2018-2019**

The WWDF is a US-based, non-profit organization that dedicates to raise public awareness of wood as 1) an eco-friendly material, 2) having a significant role in world history, 3) an opportunity for academic research, 4) a sustainable resource.

The objective of the **WWDF Research Grant** is to support projects that focus on "**Wood and Culture**". A historical perspective is particularly encouraged.

The WWDF supports interdisciplinary and integral investigation for exploring how wood has played a prominent role in human life. Current projects and new initiatives are applicable.

http://www.worldwoodday.org/2018/researchGrant

Value:
$12,000 USD

Application process:
The WWDF application deadline is **February 12, 2018**.

ROADS contact:
Nathan Coschi, Senior Advisor, at coschimn@mcmaster.ca or extension 21581
Weston Brain Institute, Transformational Research: Canada 2018, Neurodegenerative Diseases of Aging

The objective of the Transformational Research: Canada 2018 Program is to 1) support translational research that will accelerate the development of therapeutics for neurodegenerative diseases of aging, 2) fund transformative, novel, high-risk, high-reward translational research projects with excellent preliminary data.

http://westonbraininstitute.ca/transformational-research-canada-2018/

Value:
maximum $1,500,000 for a maximum 3 years

Application process:
The Weston Brain Institute extended letter of intent deadline is **February 15, 2018**.

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

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

The objective of the Misk Grand Challenges is to offer 100 young innovators a grant to develop their ingenious ideas into a concrete proof of concept. The proposed solutions must target people under age 30, in addition to any specific criteria mentioned in individual challenges.

Focus:


http://miskgrandchallenges.org/challenges.html

Value:
Awards total $100,000 USD each, provided over 2 years, with an opportunity to apply for follow-on funding.

Application process:
The first application window opens November 14, 2017 and will be open for six months. The Misk Foundation application deadline is **May 2018**. (the approximate deadline, May 14, 2018) Additional information to follow. [http://miskgrandchallenges.org/challenges.html](http://miskgrandchallenges.org/challenges.html).

ROADS contact:
Miky (Mihaela) Dumitrescu, Senior Advisor, at dumitrm@mcmaster.ca or extension 21548
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](https://www.iclr.org/quickresponse.html)

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

A maximum $5,000 is available for an exceptional proposal.

**Application process:**
The ICLR will accept applications **at all times.**

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

Shastri Indo-Canadian Institute (SICI): Grants

The Shastri Indo-Canadian Institute is a binational organization that promotes understanding between India and Canada through academic activities and exchanges. The Institute has recently announced the following funding opportunities:
1) **Global Initiative for Academic Network (GIAN) Programme**, the objective: to tap the talent pool of scientists and entrepreneurs internationally to encourage their engagement with the Institutes/Departments of Higher Education in India to 1) augment the country’s existing academic resources, 2) accelerate the pace of quality reform, and 3) elevate India’s scientific and technological capacity to global excellence. (review **Scope of GIAN**, priority areas at [http://www.sici.org/programmes/details/global-initiative-for-academic-network-gian-programme/](http://www.sici.org/programmes/details/global-initiative-for-academic-network-gian-programme/))

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

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

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


**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
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

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