News & Events

*NEW* Early Researcher Awards (ERA) Round 14 Information Session

Where: MDCL 2232

When: Monday April 16, 2018, 11:00am – 12:00pm

ROADS will be hosting an interactive information session on the Round 14 competition. A representative of the Ministry of Research, Innovation and Science will present an overview of the ERA program and answer any questions you may have.

To register: [https://www.eventbrite.ca/e/early-researcher-awards-era-round-14-information-session-tickets-44753321389](https://www.eventbrite.ca/e/early-researcher-awards-era-round-14-information-session-tickets-44753321389)

Additional Info

If you have any questions regarding the ERA program, please contact Tracy Arabski, Director, HRS, at [arabski@mcmaster.ca](mailto:arabski@mcmaster.ca) or extension 22515.

*NEW* Learning Health System Event

Where: McMaster Innovation Park – 175 Longwood Rd. S. Hamilton ON.

When: Thursday April 26, 2018, 12:00pm-2:30pm

Dr. Stelios Georgiades and the McMaster Autism Research Team cordially invite you to a lunch and keynote presentation on “Introducing the Learning Health System” from Dr. Charles Friedman, Chair at the University of Michigan Medical School, who is a world-renowned expert in this field. RSVP is required, kindly respond by Friday April 13th to [autism@mcmaster.ca](mailto:autism@mcmaster.ca).

A Learning Healthcare System is defined as a system in which science, informatics, incentives, and culture are aligned for continuous improvement and innovation, with best practices seamlessly embedded in the health care delivery process and new knowledge captured as an integral by-product of the delivery experience. This event offers our research community the opportunity to learn more about their role in creating a learning health system here in Hamilton – where data and experience are integrated with evidence, and that knowledge is put into practice. The result is higher quality, safer, more efficient care for our patients.

Health Research Grant Competitions

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

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| **Faculty of Health Sciences Education Innovation Fund**                          | N/A          | Apr 13                |                  |
| **The Labarge Centre for Mobility in Aging within the McMaster Institute for**   | Apr 13       | N/A                   | Apr 20           |
| **Research on Aging Catalyst Grant Funding Call for Proposals** (Please inform HRS** of your intent to apply by April 13, 2018)** |              |                       |                  |
| **Government of Canada, Canadian Space Agency: Investigating Spaceflight**        | Apr 12       | Apr 26                |                  |
| **Health Risks on the ISS (LSRS AO 2018)**                                       |              |                       |                  |
| **Brain Tumour Foundation of Canada Research Grant Program**                     | Apr 13       | Apr 27                |                  |
| **Cancer Research Society 2018 Scholarships for the Next Generation of Scientists** | Apr 13       | Apr 27                |                  |

| **NEW** Hamilton Scleroderma Group/Scleroderma Society of Ontario (HSG/SSO)**       | N/A          | Apr 30                |                  |
| **Call for Proposals for Peer Reviewed Funding**                                 |              |                       |                  |
| **Weston Brain Institute International Fellowships: Canada 2018**                  | Apr 16       | Apr 30                |                  |
| **Scottish Rite Charitable Foundation (SRCF): Major Research Grants**            | Apr 16       | Apr 30                |                  |
| **Osteoporosis Canada: Canadian Multicentre Osteoporosis Study (CaMos)** Fellowship Award | Apr 16       | Apr 30                |                  |
| **MITACS Globalink Research Award**                                              |              |                      | May 2018         |
| **Government of Canada: Partnerships for Her Voice, Her Choice** (Please inform HRS of your intent to apply by April 4, 2018)** | Apr 13       | May 1                 |                  |
| **Spencer Foundation: Small Research Grants**                                    | Apr 17       | May 1                 |                  |
| **Spencer Foundation: The New Civics**                                           | Apr 17       | May 1                 |                  |
| **Christopher & Dana Reeve Foundation: Quality of Life Direct Effect Grants Program** | Apr 11       | Apr 17                | May 1            |
| **Hamilton Health Sciences (HHS) Clinical Health Professional Personnel Award (CHPA)** | N/A          |                      | May 1            |
| **Bill & Melinda Gates Foundation, Global Grand Challenges: Explorations (Round 21)** | Apr 18       | May 2                 |                  |
| **Bill & Melinda Gates Foundation, Global Grand Challenges: Campylobacter spp. Transmission Dynamics in Low and Middle-Income Countries (LMIC)** | Apr 18       | May 2                 |                  |
| **Misk Foundation and the Bill & Melinda Gates Foundation: Misk Grand Challenges** | Apr 18       | May 2                 |                  |
| **Ontario Centres of Excellence Health Technologies Fund (HTF) 3rd Round**        | Apr 23       | May 7                 |                  |
| **2019 Killam Research Fellowships Competition** (Please inform HRS of your intent to apply by April 9, 2018)** | Apr 24 Draft to HRS | May 8 Final App due to HRS | May 15 |
| **Alex’s Lemonade Stand Foundation: Reach Grants**                               | May 7        | May 21                |                  |
| **Alex’s Lemonade Stand Foundation: ‘A’ Awards** | May 7 | May 21 |
| **Hamilton Health Sciences (HHS) Health Professional Investigator Operating Grant Program** | N/A | Jun 1 |
| **Natural Sciences and Engineering Research Council of Canada (NSERC) E.W.R Steacie Memorial Fellowships** | Apr 16 to ROADS | May 1 to ROADS | Jun 7 |
| **ALS Canada: ALS Canada Project Grant Program 2018** | May 25 | Jun 8 |
| **Social Sciences and Humanities Research Council (SSHRC) Partnership Engage Grants** | Apr 13 to ROADS | Jun 7 Final App Due to ROADS | Jun 15 |
| **Canadian Blood Services (CBS) MSM Research Grant Program** | Apr 15 | Jun 15 | Jun 30 |
| **Crohn’s & Colitis Foundation: Grants** | May 1 | Jun 15 | Jul 1 |
| **European Commission Research Projects on Personalized Medicine – Smart Combination of Pre-clinical and Clinical Research with Data and ICT Solutions** | Apr 10 | Jun 21 | Jul 5 |
| **Brain Tumor Funders’ Collaborative: Immunotherapy for Primary Human Brain Tumors** | May 11 | Jun 29 | Jul 13 |
| **The Royal-Mach-Gaensslen Prize for Mental Health Research** | Jul 1 | Jul 15 |
| **Heart and Stroke Foundation Canadian Partnership for Stroke Recovery** | Apr 16 | Jul 5 | Jul 19 |
| **MRIS Early Researcher Awards Round 14 (Please inform HRS of your intent to apply by April 9, 2018)** | May 29 Draft NOI to HRS | Jun 1 NOI to MRIS | Aug 7 |
| **Weston Brain Institute, Rapid Response: Canada 2018 – Alzheimer’s & Related Diseases** | Apr 19 | Jul 25 | Aug 8 |
| **The Michael J. Fox Foundation: Alpha-Synuclein Biology and Therapies** | May 31 | Aug 3 | Aug 20 |
| **The Michael J. Fox Foundation: Biomarkers of Protein Handling/Autophagy, Exosomes and Lipids** | May 31 | Aug 3 | Aug 20 |
| **The Michael J. Fox Foundation: GBA Biology and Therapies** | May 31 | Aug 3 | Aug 20 |
| **The Michael J. Fox Foundation: Non-Pharmacological Interventions for Gait and Balance Disturbances** | May 31 | Aug 3 | Aug 20 |
| **Canadian Cancer Society (CCS) Impact Grants** | Apr 10 | Aug 30 | Sep 13 |
| **Health Quality Ontario: Adopting Research to Improve Care (ARTIC) Program** | May 25 | Sep 10 | Sep 24 |
| **McMaster University, McMaster Institute for Research on Aging (MIRA), Labarge Centre for Mobility in Aging (LCMA): Matching Funds for Research Opportunities** | Ongoing | Ongoing MILO |
| **MITACS Accelerate Fellowship** | Ongoing | Ongoing MILO |
| **Weston Brain Institute: Early Phase Clinical Trials: Canada** | Ongoing | Ongoing |
| **Simons Foundation, Simons Foundation Autism Research Initiative (SFARI): SFARI Explorer Award** | Ongoing | Ongoing |
| **OCE Voucher for Innovation and Productivity (VIP I) Program** | Ongoing | Ongoing MILO |
| **OCE Voucher for Innovation and Productivity II (VIP II) Program** | Ongoing | Ongoing MILO |
| **TalentEdge Internship Program (TIP)** | Ongoing | Ongoing MILO |
### TalentEdge Fellowship Program

- **Ongoing**

### MITACS Accelerate Program

- **Ongoing**

### MITACS Globalink Partnership Award

- **Ongoing**

### Funding Opportunity (DoD)

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**CIHR – Call for Nominations – 2018 Institute Advisory Boards (IABs)**

CIHR has launched the 2018 IAB membership renewal of its thirteen Institute Advisory Boards (IABs). The number of members on an IAB is between eight and 14. Selection criteria and composition of the IABs is available under the [IAB Selection Criteria](#). Consult the [CIHR Institutes](#) web pages to review their specific areas of focus.

Online applications can be submitted, via ResearchNet, from February 26, 2018 to April 09, 2018. Application forms received after April 9, 2018 will be stored in the database and considered for the next IAB renewal cycle.

**Additional Details**

**Sponsor Deadline: April 9, 2018**

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**CIHR Research Network: Rare Diseases**

This funding opportunity is designed to support a national network organized to:

- Identify instances where Canadian model organism expertise is relevant to a newly discovered disease gene. When such instances are found, a research project would be initiated to explore the functional characterization of the gene. On an annual basis, it is anticipated that this network would catalyze between 15-20 catalytic research projects per year.
- Establish partnerships with and support the development of programs in other regions/countries that are modelled on the Canadian “Rare Diseases: Models & Mechanisms” Network funded through the first iteration of this program. These partnerships should allow genes for which no compatible model can be identified in Canada to be studied in other countries, and allow genes identified by clinicians in other countries to be studied by Canadian biomedical scientists.
- Develop and implement innovative knowledge translation strategies/activities to link the clinical genetics and model organism research communities together.

**Funding Details:** The total amount available from CIHR for this funding opportunity is $1,120,000, in addition, up to $560,000 is being provided by Genome Canada, enough to fund one (1) national network. This amount may increase if additional funding partners participate. The maximum amount to fund one (1) national network is $420,000 per year for up to 4 years.

**Additional Details**

**Internal HRS Deadline: May 1, 2018**

**Sponsor Deadline: May 15, 2018**

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**CIHR – Travel Awards – International Course on Antibiotics and Resistance (ICARe)**

ICARe was conceived by an international group of thought leaders from the Institut Pasteur, Harvard Medical School, McMaster University, biotech, diagnostic, and pharma industry, and teaching hospitals. The faculty is composed of 35 internationally recognized scientists and physicians who have made important contributions to antibiotic development, and infectious diseases and resistance management. Faculty will be in residence for a minimum of 2 days and accessible for informal interactions. Graduates will emerge with a state-of-the-art understanding of existing antibiotics: modes of action, pharmacology, toxicology, mechanisms of resistance,
impact of antibiotics on human and other ecologies, current approaches for mining chemical space for antimicrobial activity, the process of advancing hits to leads, the application of next generation nucleic acid-based technologies for antibiotic discovery and resistance detection, and perhaps, most importantly, training and experience in thinking creatively and innovatively about solutions to the problem. The course aims to build an international cadre of collaborative, well networked, and highly trained specialists.

**Funding Details:** The total funds available for this funding opportunity is $9,900, enough to provide three (3) travel awards of up to $3,300 each.

**Additional Details**

**Internal HRS Deadline:** May 1, 2018  
**Sponsor Deadline:** May 15, 2018

**CIHR – Operating Grant: ECI Grants in Maternal, Reproductive, Child & Youth Health**

This funding opportunity is a collaboration between five CIHR institutes with a goal to build research capacity in maternal, reproductive, child and youth health by funding operating grants to early career investigators. The program will fund research across the four CIHR research themes (biomedical, clinical, health systems services, and population health) that has the potential to have a significant impact on maternal, reproductive, child and youth health outcomes according to the mandates of the participating CIHR institutes. Ultimately, the program aims to strengthen Canada's capacity and knowledge to respond to challenges and needs by providing important early career development support to researchers in these fields.

**Funding Details:** The total amount available from CIHR for this funding opportunity is $1,260,000, enough to fund up to 12 grants. The maximum amount per grant from CIHR is $35,000 per year for up to 3 years for a total of $105,000. Of the $1,260,000 available from CIHR:

- $630,000 is available to fund applications relevant to the overarching focus of maternal, reproductive, child and youth health (6 grants)
- $210,000 is available to fund applications in the research area relevant to IAPH (2 grants)
- $105,000 is available to fund applications in the research area relevant to ICRH (1 grant)
- $105,000 is available to fund applications in the research area relevant to III (1 grant)
- $210,000 is available to fund applications in the research area relevant to INMHA (2 grants)

The CIHR contribution must be matched at a minimum of 1:1 by the successful applicant's host institution and/or other partner(s), such as a charitable organization, philanthropic foundation, or industry partner.

**Additional Details**

**LOI Deadline:** April 17, 2018  
**Internal HRS Deadline:** May 1, 2018  
**Sponsor Deadline:** May 15, 2018

**CIHR – Operating Grant: Network Environments for Indigenous Health Research**

The purpose of the Network Environments for Indigenous Health Research (NEIHR) is to build on previous efforts of the Network Environments for Aboriginal Health Research (NEAHR), initially launched in 2007, and the Indigenous Mentorship Network Program (IMNP), initially launched in December 2016, by establishing a solid foundation for Indigenous health research driven by, and grounded in, Indigenous (i.e., First Nations, Inuit and Metis) communities in Canada. While NEAHR was revolutionary for its time, NEIHR will take a broader and more sophisticated approach to Indigenous health research and capacity building not just by focusing on individuals (e.g., supporting trainees and researchers), but also by concentrating on Indigenous communities, and social structures (e.g., educational systems, institutions, research infrastructures, policy apparatus, etc.).

**Funding Details:** The total amount available for this funding opportunity is $900,000, enough to fund approximately 12 grants. The maximum amount per grant is $75,000 per year for up to 1 year.

**Additional Details**

**LOI Deadline:** April 26, 2018  
**Internal HRS Deadline:** May 22, 2018  
**Sponsor Deadline:** June 5, 2018
CIHR – Canada Graduate Scholarships – Michael Smith Foreign Study Supplement

The specific objectives of this funding opportunity are:

- to support high-caliber Canadian graduate students in building global linkages and international networks through the pursuit of exceptional research experiences abroad; and
- to strengthen the potential for collaboration between Canadian institutions and other research institutions outside of Canada.

**Funding Details:** The total amount available for this funding opportunity is $270,000, enough to fund approximately 45 awards. The maximum amount per award is $6,000 for a defined research study period outside of Canada for a minimum of two months to a maximum of six months.

**Additional Details**

**Internal HRS Deadline:** May 28, 2018  
**Sponsor Deadline:** June 11, 2018

CIHR – Team Grant: Transnational Cardiovascular Research Projects

The ERA-CVD JTC2018: Transnational Cardiovascular Research Projects driven by Early Career Scientists is expected to:

- foster transnational cooperation of European countries and beyond, and to coordinate research efforts and funding programs of the ERA-CVD partner countries with Canada
- promote co-operation and interchange between Early Career Scientists and thus enable international collaboration and new consortia establishment in cardiovascular research,
- enable capacity building and empowering of Early Career Scientists by providing opportunity to independently develop and perform highly innovative research projects,
- add value in funding the collaboration over individual projects by sharing of resources (e.g., models, databases, diagnosis etc.), harmonization of data, sharing of specific know-how and/or innovative technologies, etc.

**Funding Details:** The total amount available for Canadian applications is Can$ 585,000, which is enough to fund approximately two (2) grants. This amount may increase if additional funding partners participate. The maximum amount available per grant to Canadian participants in transnational consortia is Can$ 97,500 per year for up to three (3) years for a total of Can$ 292,500, per grant.

**Additional Details**

**Internal HRS Deadline:** June 1, 2018  
**Sponsor Deadline:** June 15, 2018

CIHR Team Grant: E-Rare-3 Joint Transnational Call (2018)

There are at least 7,000 distinct rare diseases, the great majority being of genetic origin. Although individually rare, taken together rare diseases affect at least 26-30 million people in Europe alone. Moreover, they represent a major issue in health care: a large number of these diseases have an early or very early onset and/or lead to a significant decrease of life expectancy. Moreover, most of them cause chronic illnesses with a large impact on quality of life and the health care system.

Therefore, research on rare diseases is needed to provide knowledge for prevention, diagnosis and better care of patients. Yet, research is hampered by lack of resources at several levels:

1. Few scientists work on any given specific disease,
2. There are few patients per disease and they are scattered over large geographic areas, causing difficulties to assemble the necessary cohorts,
3. Existing databases and bio-material collections are usually local, small, and not accessible or standardised,
4. The complex clinical phenotypes of these diseases require interdisciplinary cooperation to improve research and treatment.

The specificities of rare diseases - limited number of patients, scarcity of relevant knowledge and expertise, and fragmentation of research - single them out as a distinctive domain of very high European added-value. Rare diseases are therefore a prime example of a research area that necessitates collaboration/coordination on a transnational scale. In this context, the ERA-NET “E-Rare” for research programmes on rare diseases has been extended to a third phase “E-Rare-3” (2014-2019) to further help in coordinating the research efforts of European, Associated and non-European countries in the field of rare diseases and implement the objectives of the International Rare Disease Research Consortium (IRDRC). CIHR is pleased to be partnering with the Fonds de recherche du Québec – Santé (FRQS) once again in the context of this ERA-Net.
Funding Details: The total amount available for this funding opportunity is $2,000,000, enough to fund 5-6 grants. This amount may increase if additional funding partners participate. The maximum amount per grant is $125,000 per year for up to 3 years for a total of $375,000 per grant. Of this $2,000,000, $500,000 is available to fund applications relevant to the mandate of the Fonds de recherche du Québec – Santé FRQS.

Additional Details
Internal HRS Deadline: June 5, 2018
Sponsor Deadline: June 19, 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

CIHR – Team Grant: ERA-Net PerMed
The overall aim of the call is to fund projects showing clinical feasibility of PM in complex diseases (including multifactorial, monogenic and other diseases). By feasibility is meant the demonstration of significant and clinically relevant improvement of current diagnostics and/or therapeutics, based on improved understanding of underlying molecular mechanisms. Applicants are expected to combine pre-clinical and/or clinical research with bio-informatics components to enable data quality on one side and the potential applicability for health care providers on the other side.

Funding Details: The total amount available to Canadian researchers from CIHR and FRQS is $4,587,500 CAD, enough to fund ten (10) grants. This amount may increase if additional funding partners participate. The maximum amount available is $150,000 CAD per year for up to three (3) years for a total of $450,000 CAD, per grant.

Additional Details
Internal HRS Deadline: June 21, 2018
Sponsor Deadline: July 5, 2018

CIHR – Team Grant: GENDER-NET Plus
The aim of the Joint Call is to enable scientists in different countries to build an effective collaboration on a common interdisciplinary Collaborative Research Project (CRP) based on complementarities and sharing of expertise, with a clear translational research approach.

The specific objective of this Joint Call is to advance gender equality in research through institutional change and to foster the integration of SGBA into research, contents and funding programmes.
**Funding Details:** The total amount available for Canadian researchers from CIHR is $1,500,000 CAD, enough to fund five (5) grants. The maximum amount available is $100,000 CAD per year for up to three (3) years for a total of $300,000 CAD, per grant.

**Additional Details**

**Internal HRS Deadline:** July 2, 2018  
**Sponsor Deadline:** July 16, 2018

**CIHR Operating Grant: AMR: Point of Care Diagnostics in Human Health – Phase 2**

The Antimicrobial Resistance: Point of Care Diagnostics in Human Health Phase 2 funding opportunity is expected to:

- Improve rational use of antibiotics and clinical management by increasing availability, timeliness, and uptake of clinically relevant point-of-care diagnostic tools in AMR.
- Integrate evidence-informed therapeutic approaches and prevention interventions into health care practice and policy.
- Determine commercial viability and show direct clinical applicability of a technology or tool that has passed the preliminary design developmental phase.
- Enhance capacity to conduct international, intersectoral and interdisciplinary AMR research through collaboration and training of researchers and health care professionals.

**Funding Details:** The total amount available for this funding opportunity is $2,025,000, enough to fund approximately 3 grants. The maximum amount per grant is $225,000 per year for up to 3 years for a total of $675,000 per grant.

**Additional Details**

**Internal HRS Deadline:** August 1, 2018  
**Sponsor Deadline:** August 15, 2018

**Faculty of Health Sciences Education Innovation Fund**

**Purpose:** To encourage and provide support for the development and evaluation of novel and innovative approaches to health sciences education in the Faculty of Health Sciences.

**Eligibility:** All members of the faculty of FHS are eligible for funding support. Funding cannot be used to supplement another partly funded project. All those awarded funding must be willing to present their research at the Geoffrey R Norman FHS Education Research Day in June. Priority will be given to projects that address competency-based education, simulation-based education and innovative pedagogy and projects where theory is used/developed to inform practice. The activity of the project should be focused on McMaster Faculty of Health Sciences.

**Application Process:**

Applicants are required to submit:

1) **An abridged CV** (max. 3 pages, focusing on previous research and educational scholarship)

2) **A project summary** - 3 pages maximum, single spaced, plus references, outlining:
   - Proposed study question/objectives
   - Proposed method of analysis
   - Expected project outcome
   - Strategy for disseminating outcome findings
   - Potential education impact of the study
   - Potential of the research for commercialization, if applicable

3) **Budget** The following expenses are ineligible:
   - Salary support for P.I. or other faculty members
   - Computers and other equipment unless integral to the study e.g. voice recording equipment
   - Infrastructure expenses that are presently supported elsewhere (e.g. telephone, administrative assistant)
   No university overhead will be charged. Open Access journal publications costs will be allowed.

4) **Adjudication**

The adjudication process will be administered by the office of the Associate Dean, Health Professional Education who will chair a selection committee of senior faculty. Preference will be given to projects that address the priority areas identified in the Eligibility section above and that incorporate a design that uses theory to inform practice or uses practice to develop theory.
**Funding Details:** Funding will be awarded to one or more applicants annually for up to two years of funding support to a maximum of $50,000 per project, spread over the two years; funding for the second year is contingent on the submission of a satisfactory interim report to the selection committee prior to the end of the first year of funding. A final report shall be submitted upon completion of the project. The selection committee reserves the right to not fund any projects in any given year. Award winners will be announced at the Geoffrey R. Norman FHS Education Research Day on June 6, 2018.

**Additional Details:**
1) Deadline for application April 13, 2018 at midnight.
2) Submit as 1 pdf document with the P.I.’s name and a short version of the title as the document’s name.
3) Submit to the office of the Associate Dean, Health Professional Education c/o mcarthj@mcmaster.ca

**Sponsor Deadline:** **April 13, 2018**

**The Labarge Centre for Mobility in Aging within the McMaster Institute for Research on Aging Catalyst Grant Funding Call for Proposals**

**Catalyst Grants**
Catalyst grants offer the opportunity to conduct collaborative and interdisciplinary research focused on mobility in aging. These grants are intended to stimulate new collaborations and allow researchers to collect preliminary data to support future proposals for full-scale studies. Catalyst grants are valued at up to $40,000 (over one year) to conduct feasibility/pilot studies or scaling of interventions. These grants require matching funds of at least $5,000 (can include up to $2,500 of in-kind contributions) from alternate sources to support the project.

**Requirements**
Funds will be allocated for up to six catalyst grants in 2018. Each Faculty is asked to submit one proposal to MIRA through the Associate Dean (Research). Submissions should include researchers from at least three different McMaster Faculties as meaningful contributors to the project. Any researcher who was identified as Principal Investigator (PI) in a 2017 Catalyst Grant may not also be the PI in the current year; however, he/she may participate as a co-investigator.

**Funding Details:** Catalyst grants are valued at up to $40,000 over one year.

**NOI to HRS Deadline:** **April 13, 2018**

**Draft Application to HRS:** April 20, 2018

Only one application can be submitted by each faculty under this call. Please contact Tracy Arabski, Director, HRS, at arabski@mcmaster.ca or x22515 with your intent to apply by April 13, 2018

Through this AO, the CSA is seeking to financially support Canadian researchers who will design and implement scientific protocols to investigate health risks associated with space travel.

More specifically, the proposal(s) selected through this CSA competition will maximize the use of Bio-A and Bio-M systems for in situ data collection to:

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

**Funding Details:** Maximum amount per project: up to $750,000 for new Canadian projects; $500,000 for Canadian participation in an International project. Maximum duration of the project: five (5) years.

**Additional Details**

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

**Sponsor Deadline:** **April 26, 2018**
Brain Tumour Foundation of Canada Research Grant Program

Supporting brain tumour research in Canada allows each of us who are affected by brain tumours to both better understand this disease and to move closer to finding new treatments, improving current treatments, and enhancing the quality of life for brain tumour patients. Thanks to donors, the Research Grant Program provides financial support to Canadian researchers with critical funds that help to propel their research forward into the future. Proposals that receive funding include research that involves any and/or all of the following:

- The development of new concepts
- Patient-oriented research such as clinical trials, epidemiological studies, quality of life studies, outcomes, health services research
- Pre-clinical research evaluating the therapeutic potential of recent discoveries in the basic mechanisms of either brain tumour pathogenesis or experimental therapeutics

Funding Details: Applications for grants up to $25,000.00 will be considered

Additional Details
Internal HRS Deadline: April 13, 2018
Sponsor Deadline: April 27, 2018

Cancer Research Society 2018 Scholarships for the Next Generation of Scientists

The Cancer Research Society is pleased to announce the launch of its 2018 Scholarships for the Next Generation of Scientists competition, an initiative aiming at supporting future generations of Canadian researchers. The Scholarship is broken down into two parts, and extends over a period of 3 years, with no possibility for renewal.

Funding Details:

- Part 1: Postdoctoral Salary Award – 1 year - $40,000
- Part 2: Operating Grant – 2 years - $120,000 ($60,000/year)

Additional Details
Internal HRS Deadline: April 13, 2018
Sponsor Deadline: April 27, 2018

Hamilton Scleroderma Group/Scleroderma Society of Ontario (HSG/SSO) Call for Proposals for Peer Reviewed Funding

The aim is to foster research in systemic sclerosis, and to “seed fund” projects to gather suitable preliminary data to be competitive in larger grants. Faculty at McMaster University are eligible to apply. The research project must be of direct relevance to systemic sclerosis, and ideally will generate pilot data with which to support an application for funding from other sources.

Funding Details: $25,000 maximum per scholarship for one year

Internal HRS Deadline: N/A
Sponsor Deadline: April 30, 2018
*For questions regarding the award or the submission process, contact Ms. Andrea Gardner at gardnera@stjoes.ca*

Weston Brain Institute International Fellowships: Canada 2018

The Goal of the International Fellowships are to accelerate the careers of top Canadian PhD students by providing funding to conduct research in the labs of leading scientists. This will enable awardees to build international collaborations with world class labs, conduct influential neuroscience research on neurodegenerative diseases of aging, and bring enhanced research capabilities back to Canada. This fellowship will enrich the careers of awardees, preparing them to obtain more prestigious postdoctoral positions, and increasing their competitiveness for future positions as leaders in neuroscience in Canada.

Funding Details: Up to $60,000 per awardee per year (prorated as needed, at $5,000 per month for shorter travel durations)

Additional Details
Internal HRS Deadline: April 16, 2018
**Sponsor Deadline: April 30, 2018**

**Scottish Rite Charitable Foundation (SRCF): Major Research Grants**

SRCF Major Grants support biomedical research into intellectual impairment focused on the following:

- The causes and eventual cure of intellectual impairment, such as Dyslexia and Autism, especially as it affects children.
- The causes and eventual cure of Alzheimer’s Disease and other neurodegenerative diseases.
- Research into other forms of intellectual impairment may be considered.

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

**Funding Details:** The value of the grants is a maximum of $40,000 per year for a period of up to 3 years.

**Additional Details**

**Internal HRS Deadline: April 16, 2018**

**Sponsor Deadline: April 30, 2018**

**Osteoporosis Canada: Canadian Multicentre Osteoporosis Study (CaMos) Fellowship Award**

The Osteoporosis Research Program provides training awards to support Canadian investigators conducting research that promises to yield new insights into the prevention and treatment of osteoporosis and improving the lives of individuals with this disease. Awards are offered to individuals through annual research competitions, which involves an extensive peer review process. A collaborative award, by the Canadian Multicentre Osteoporosis Study (CaMos) and Osteoporosis Canada. This program will fund a graduate student or postdoctoral fellow for one year in the amount of $20,000 and will provide that individual with an opportunity to engage in research training with investigators at CaMos. Awardees will gain new insight into the field of osteoporosis and will be presented with the basis for a career in clinical/epidemiological research related to osteoporosis. This program strives to improve the lives of individuals with osteoporosis while seeking optimal prevention and treatment of the disease. The application process will be administered by OC.

**Funding Details:** This program will fund a graduate student or postdoctoral fellow for one year in the amount of $20,000

**Additional Details**

**Internal HRS Deadline: April 16, 2018**

**Sponsor Deadline: April 30, 2018**

**MITACS Globalink Research Award**

Mitacs is accepting applications for competitive international research opportunities for student travel from Canada. They recommend that students apply by May 2018 for travel planned in Fall 2018.

**Funding Details:** The Mitacs Globalink Research Award provides $6,000 for senior undergraduate and graduate students in Canada to conduct 12–24-week research projects at universities overseas

**Additional Details**

**Sponsor Deadline: May 2018**

**Government of Canada: Partnerships for Her Voice, Her Choice**

This call for preliminary proposals “Partnerships for Her Voice, Her Choice” is part of the $650-million funding over 3 years announced by Minister Bibeau in support of sexual and reproductive health and rights (SRHR) as a means of combatting poverty by focusing on empowering women. Empowerment begins with having control over your own body. The call focuses on comprehensive sexual education; reproductive health services and investments in family planning and contraceptives; the prevention of and response to sexual and gender-based violence, including child, early and forced marriage, and female genital mutilation and cutting; and initiatives that support the right to choose safe and legal abortion, as well as access to post-abortion care, including in fragile and conflict-affected settings.

The submission of a preliminary proposal is the first stage of a two-stage application process. Funding cannot be provided on the basis of a preliminary proposal. Be sure to review the instructions in [How to apply for funding through a call for preliminary proposals](#) before beginning your application.
Priority will be given to proposals that meet the requirement of targeting or fully integrating gender equality and women’s and girls’ empowerment in their design.

**Funding Details:** The total amount of funding available under the Partnerships for Her Voice, Her Choice (Sexual and Reproductive Health and Rights) call for preliminary proposals is $40 million from fiscal years 2018/19 to 2023/24. They may fund any number of proposals, or none, up to the maximum funding available.

**Additional Details**
**Notify HRS of your intent to Apply:** April 4, 2018
**Internal HRS Deadline:** April 13, 2018
**Sponsor Deadline:** May 1, 2018

Only one application can be submitted by the institution under this call. Please contact HRS hsresadm@mcmaster.ca with your intent to apply by April 4th and submit a full draft by April 13th to be considered.

**Spencer Foundation: Small Research Grants**
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 we have 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 we support:

- 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:** The Small Research Grants program is intended to support education research projects with budgets of $50,000 or less.

**Additional Details**
**Internal HRS Deadline:** April 17, 2018
**Sponsor Deadline:** May 1, 2018

**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, we ask 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. In so doing we seek to connect to a tradition of civic education inside schools, both to reassert its legitimacy as a primary aim of public schooling, and to reimagine what civic education might include. Yet civic development also occurs outside classrooms and schools, and we underscore our interest in research about civic action and learning in these contexts as well. Our ultimate aim is to contribute to educational improvement by supporting high-quality research studies that can lead to better-designed, more effective programs, policies, practices, and settings that prepare young people to act and to do so in informed and reasoned ways.

**Funding Details:** $50,000 or less.

**Additional Details**
**Internal HRS Deadline:** April 17, 2018
**Sponsor Deadline:** May 1, 2018

**Christopher & Dana Reeve Foundation: Quality of Life Direct Effect Grants Program**
The Christopher & Dana Reeve Foundation Quality of Life Grants Program reached a major milestone in 2016, surpassing $20 million in funding to nonprofit organizations all over the United States and in 37 countries. And, thus far in 2017, the Reeve Foundation awarded 122 grants in four different programs, totaling over $1.7 million. To ensure the continued growth of the program and to clarify the vision and mission of the Quality of Life grants program created by the late Dana Reeve, a retreat was held in April 2017,
convening program staff, members of the Board of Directors, and an external professional facilitator. The Reeve Foundation Quality of Life grants will continue to support the broad range of projects and activities that we have in the past; we are just changing how we do it so that we can achieve maximum impact for all. Two types of grants will be offered: Direct Effect (Tier 1) and High Impact (Tiers 2, 3, and 4).

**Funding Details:** The Direct Effect (Tier 1) is open-focused and will award grants of up to $15,000 to support the wide range of projects and activities of the traditional Quality of Life grants. Grants will fund specific budget items that will clearly impact individuals living with paralysis and their families, and the project must be completed within 12 months.

**Additional Details**
- **LOI Deadline:** April 11, 2018
- **Internal HRS Deadline:** April 17, 2018
- **Sponsor Deadline:** May 1, 2018

**Hamilton Health Sciences (HHS) Clinical Health Professional Personnel Award (CHPA)**
The Hamilton Health Sciences Clinical Health Professional Research Personnel Award is a one-time personnel stipend award. The award is to be used to help a suitably qualified non-physician health professional who has demonstrated an aptitude for research to pursue research in their discipline, by providing protected time through financial support for a portion of the applicant’s salary.

**Funding Details:** The value of the award will be up to $50,000

**Additional Details**
- **Sponsor Deadline:** May 1, 2018

**Bill & Melinda Gates Foundation, Global Grand Challenges: Explorations (Round 21)**
The Bill & Melinda Gates Foundation has released 3 new Grand Challenges Explorations grant opportunities:
- **Affordable, Accessible, And Appealing: The Next Generation of Nutrition (Round 21)**
- **Innovations in Immunization Data Management, Use, and Improved Process Efficiency (Round 21)**
- **Tools and Technologies for Broad-Scale Disease Surveillance of Crop Plants in Low-Income Countries (Round 21)**

Please see additional details for more information.

**Funding Details:** Awards of $100,000 USD are made in Phase I. Phase I awardees have one opportunity to apply for a follow-on Phase II award of up to $1,000,000 USD.

**Additional Details**
- **Internal HRS Deadline:** April 18, 2018
- **Sponsor Deadline:** May 2, 2018

**Bill & Melinda Gates Foundation, Global Grand Challenges: Campylobacter spp. Transmission Dynamics in Low and Middle-Income Countries (LMIC)**
In this new grand challenge, the Bill & Melinda Gates Foundation solicits proposals to examine the transmission of Campylobacter spp. in communities. Proposals responsive to this call will generate data to understand the sources of Campylobacter infection in children in LMICs, and the dynamics of transmission in LMIC communities of interest. Analyses of these data are expected to address the question of whether a human vaccine for Campylobacter is a necessary and appropriate strategy in spite of the complexities associated with auto-immune responses to Campylobacter antigens. Alternatively, are an avian Campylobacter vaccine, sanitation and hygiene measures, or behavioral interventions that promote the segregation of young children from domestic birds and animals—alone or in combination—effective in preventing Campylobacter infections in children?

**Funding Details:** Research studies that propose appropriate costs for the study length, outcomes, and methods, and that propose strong value for money will be considered. Not to exceed 2 years.

**Additional Details**
- **Internal HRS Deadline:** April 18, 2018
- **Sponsor Deadline:** May 2, 2018
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.

Additional Details
Internal HRS Deadline: April 18, 2018
Sponsor Deadline: May 2, 2018

Ontario Centres of Excellence Health Technologies Fund (HTF) 3rd Round
The Health Technologies Fund (HTF) supports the development of made-in-Ontario health technologies by accelerating evaluation, procurement, adoption and diffusion in the Ontario health system. HTF is a program of the Government of Ontario’s Office of the Chief Health Innovation Strategist (OCHIS), administered by Ontario Centres of Excellence. OCHIS’ mandate is to strengthen Ontario’s health innovation ecosystem.
HTF fosters partnerships between publicly funded health service providers (HSPs), patients, academia and industry to drive collaboration that improves patient outcomes, optimizes the impact of investment in health innovation and scales health innovation companies.

Funding Details:
- Pre-Market Evaluation projects will support up to 50 per cent of the eligible project cash costs up to a maximum amount of $500,000 for a term of up to 24 months.
- Early Adoption projects will support up to 50 per cent of the eligible project cash costs up to a maximum amount of $1,000,000 for a term of up to 24 months.

Additional Details
Internal HRS Deadline: April 23, 2018
Sponsor Deadline: May 7, 2018

2019 Killam Research Fellowships Competition
The Killam Research Fellowships provide two years of release time from teaching and administrative duties to scholars of exceptional ability who are engaged in research projects of broad significance and widespread interest. The Killam Research Fellowships are awarded annually, on a competitive basis, to support scholars doing research in any of the following fields: humanities, social sciences, natural sciences, health sciences, engineering, or studies linking any of the disciplines within these fields. Fellowships are offered to applicants considered outstanding based on their qualifications, achievements, and experience in areas related to their proposed research project as well as the scholarly significance, originality, and appropriateness and clarity of their proposed research project.

Funding Details: $70,000 per year for 2 years

Additional Details
Notify HRS of intent to Apply: April 9, 2018
Draft Application due to HRS: April 24, 2018
Final Application due to HRS: May 8, 2018
Sponsor Deadline: May 15, 2018

Alex’s Lemonade Stand Foundation: Reach Grants
The purpose of the Reach Grant is to advance ALSF’s mission to find cures and better treatments for childhood cancers by providing support to move hypothesis-driven research into the clinic. Significant barriers exist that impede the translation of innovative and important ideas to the clinic. The Reach Grant seeks to remove one of these barriers by providing support for important preclinical projects that are necessary to move a study from the pre-clinical arena into a clinical trial. Thus, the goal of this award is to support
selected late translational studies. Preference will be given to those research projects which, if funded, will likely result in the initiation of a clinical trial two to three years from the start of the project.

**Funding Details:** The award is up to $125,000 annually for two years.

**Additional Details**

**Internal HRS Deadline:** May 7, 2018
**Sponsor Deadline:** May 21, 2018

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**Alex’s Lemonade Stand Foundation: ‘A’ Awards**

ALSF is excited to commit substantial resources to early independent career scientists that want to establish a career in pediatric oncology research. An original project that is not currently funded should be proposed. Demonstration of a future commitment to pediatric cancer research is expected, as well as institutional support for the career development of the investigator. These are key components of a successful application. **Important:** There are new eligibility criteria and other changes to this grant category.

**Funding Details:** Initial Awards are for $800,000 over 4 years (no more than $200,000 in any given year)

**Additional Details**

**Internal HRS Deadline:** May 7, 2018
**Sponsor Deadline:** May 21, 2018

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**Hamilton Health Sciences (HHS) Health Professional Investigator Operating Grant Program**

The Health Professional Investigator (HPI) Operating Grant provides project funding to principal investigators (PI) who are HHS-employed healthcare professionals. Inter-professional teams, which include physicians, are encouraged, but physicians are not eligible to apply as lead PI for this grant. The HPI Operating Grant is for research initiatives directly relevant to the clinical mission and priorities/strategic plan of HHS (Patients, People, Sustainability, Innovation and Learning). The grant objective is to provide support for pilot studies or research projects that have the potential to lead to larger projects and the possibility of external funding. The HPI Operating Grant offers an opportunity to foster and support a culture of inquiry for novice to novice to mid-career investigators under the mentorship of experienced researchers.

**Funding Details:** up to $15,000 per grant, three grants available for a one-year term.

**Additional Details**

**Sponsor Deadline:** June 1, 2018

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**Natural Sciences and Engineering Research Council of Canada (NSERC) E.W.R Steacie Memorial Fellowships**

A selection committee of distinguished university, government and corporate research representatives, from a variety of disciplines, will review the nominations and recommend the successful candidates to NSERC. Since the selection committee is multidisciplinary, the nomination material should be written for non-specialists. The nominations will be reviewed according to the following criteria:

- candidate's stature in the scientific or engineering community—both national and international;
- importance and scope of the candidate's research and its impact on the field, society and, if applicable, on industry;
- candidate's specific accomplishments within his or her field;
- candidate's overall suitability for the award.

**Funding Details:** Each fellow receives a research grant of $250,000 over two years

**Additional Details**

**Notify ROADS of Intent to Nominate:** April 16, 2018
**Nomination due ROADS for Internal Selection:** May 1, 2018
**Sponsor Deadline:** June 7, 2018

*If you plan to nominate a McMaster researcher, please notify Nathan Coschi, Senior Advisor, ROADS, coschimn@mcmaster.ca by April 16, 2018*
**ALS Canada: ALS Canada Project Grant Program 2018**

The 2018 Project Grant Program encompasses applications previously designated for Discovery, Bridge or Clinical Management Grant competitions. The purpose of the program is to invest in the best possible projects that are i) novel research approaches, supported by sound rationale and a feasible experimental plan, but not necessarily preliminary data, ii) part of an ongoing ALS research program, and aimed toward the vision of ALS Canada, which is “A future without ALS” or iii) research focused on avenues to maximize function, minimize disability and optimize quality of life through symptom management, and support to families and persons or families living with ALS. Examples include, but are not limited to, management of secretions and cramps, psychological interventions to address mental health issues, nutritional interventions, respiratory care, engineering applications to reduce physical limitations, and programs to address the needs of caregivers.

**Funding Details:** Up to $1,000,000 available (anticipated 8 x $125,000 grants for use over 1 or 2 years)

**Additional Details**

Internal HRS Deadline: May 25, 2018
Sponsor Deadline: June 8, 2018

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

Partnership Engage Grants are expected to respond to the objectives of the Insight program and the Connection program. They provide short-term and timely support for partnered research activities that will inform decision-making at a single partner organization from the public, private or not-for-profit sector. The small-scale, stakeholder-driven partnerships supported through the Partnership Engage Grants are meant to respond to immediate needs and time constraints facing organizations in non-academic sectors. In addressing an organization-specific need, challenge and/or opportunity, these partnerships let non-academic organizations and postsecondary researchers access each other’s unique knowledge, expertise and capabilities on topics of mutual interest.

**Funding Details:** $7,000 to $25,000 for 1 year

**Additional Details**

Notify ROADS of Intent to Apply: April 13, 2018
Draft Application Due to ROADS: May 23, 2018
Final Application Due to ROADS: June 7, 2018
Sponsor Deadline: June 15, 2018

**Canadian Blood Services (CBS) MSM Research Grant Program**

The objective of the MSM Research Program is to ensure the generation of adequate evidence-based research for alternative screening approaches for blood or plasma donors, which could evolve the current deferral policy for men who have sex with men (MSM) while maintaining the safety of the blood supply. As part of this initiative, Canadian Blood Services and HémaQuébec held a two-day meeting in January 2017 with national and international stakeholders to identify research priorities for closing knowledge gaps that impact donor eligibility for MSM. In addition, a research funding competition was held in 2017. Research priorities for this competition include:

- Research to evaluate the impact of alternative risk reduction technologies on donor screening.
- Research to evaluate operational feasibility of alternative donor deferral policies and their acceptability by Canadians.
- Risk modeling and surveillance to assess the risk associated with alternative donor selection policies.
- Research to inform the development of an individual risk assessment donor policy (behavioural based) or to strengthen the existing policy (population based)

**Funding Details:** The Program will support small (up to $50,000) and large (up to $300,000) research projects that are aligned with the objective of the program as stated above and address one or more of the research priorities listed below. For the 2018 competition, the total funding available is $850,000.

**Additional Details**

LOI Deadline: April 15, 2018
Internal HRS Deadline: June 15, 2018
Sponsor Deadline: June 30, 2018
**Crohn’s & Colitis Foundation: Grants**

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

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

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

**Funding Details:**

- **Litwin IBD Pioneers Initiative**: maximum $130,000 (including 10% direct costs), maximum 2 years
- **Senior Research Awards**: maximum per year $115,830 (direct costs up to $105,300 per year; indirect costs 10% of direct costs, or up to $10,530), for 1 – 3 years

**Additional Details**

**LOI Deadline:** May 1, 2018
**Internal HRS Deadline:** June 15, 2018
**Sponsor Deadline:** July 1, 2018

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**European Commission Research Projects on Personalized Medicine – Smart Combination of Pre-clinical and Clinical Research with Data and ICT Solutions**

The aim of this Funding Opportunity is to fund projects showing clinical feasibility of Personalized Medicine in complex/multifactorial diseases as well as other diseases (as monogenic, rare diseases and cancer). Applicants are expected to combine pre-clinical and/or clinical research with bio-informatics components to enable data quality on one side and the potential applicability for health care providers on the other side. Proposals must be interdisciplinary and clearly demonstrate the potential impact in PM as well as the added value of transnational collaboration: sharing of resources (registries, diagnosis, biobanks, models, databases, diagnostic and bio-informatics tools, etc.), platforms/infrastructures, interoperability of data harmonization strategies and sharing of specific know-how.

**Funding Details:** The total amount of CIHR funds available for this Funding Opportunity is $4,087,500 CAD, enough to fund 9 grants. The maximum amount per grant is $150,000 per year for over a period of up to 3 years.

**Additional Details**

**LOI Deadline:** April 10, 2018
**Internal HRS Deadline:** June 21, 2018
**Sponsor Deadline:** July 5, 2018

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**Brain Tumor Funders’ Collaborative: Immunotherapy for Primary Human Brain Tumors**

The Brain Tumor Funders’ Collaborative invites responses to its current funding initiative focused on understanding the complex dynamics among the constituents comprising the human neuro-immune system, the heterogeneity of the primary brain tumor, and the brain environment. The BTFC is requesting proposals on the role of the neuro-immune system in the origin and progression of the immune responses in primary human brain tumors with the hope of developing immunotherapies for treatment of these tumors in patients. The initial response to the RFP requires pre-proposals describing studies on the complex roles of immune responses in the context of primary brain tumors in pediatric and/or adult human patients.

**Funding Details:** maximum of $250,000 for each project per year for three years

**Additional Details**

**LOI Deadline:** May 11, 2018
**Internal HRS Deadline:** June 29, 2018
**Sponsor Deadline:** July 13, 2018
The Royal-Mach-Gaensslen Prize for Mental Health Research

The Royal-Mach-Gaensslen Prize for Mental Health Research was established in 2015 and is awarded annually to recognize and support rising star Canadian research scientists with a focus in the area of mental health. This annual national Prize provides funding to outstanding rising star researchers who are affiliated with a Canadian academic or clinical research institution in the field of mental health, to encourage them to continue to pursue their research interests in Canada. It recognizes those with a demonstrated track record in research with excellence in scientific rigor, innovative thinking, imagination and originality and a clear ability to work in partnership with other disciplines and/or research teams external to the institution with which they are affiliated. This competition will occur once a year for 10 years.

Funding Details: $100,000 for one year

Additional Details

Internal HRS Deadline: July 1, 2018
Sponsor Deadline: July 15, 2018

Heart and Stroke Foundation Canadian Partnership for Stroke Recovery

CPSR was recently invited to submit a proposal for funding to the federal Network of Centres of Excellence (NCE) program. The full proposal will support CPSR’s activities in research, training, and knowledge translation. If successful, the proposal will result in a substantial increase in funding for stroke recovery activities in Canada over five years, beginning in 2019. The purpose of this call for Letters of Intent is to generate a suite of research projects that will be included in CPSR’s proposal being submitted to the NCE on July 19, 2018.

Funding Details: There are currently 4 categories for funding:

- **Personalized approaches to stroke rehabilitation and recovery** - $200,000 per year, per project with a target of 2-3 projects being funded per year.
- **Innovative new therapies and approaches** – up to $50,000 per year, per project with a target of 10 projects being funded per year.
- **Clinical trials to support the scale-up of novel approaches to stroke rehabilitation and recovery** – between $500,000 and $1M per year per project with a target of 1-2 projects being funded per year
- **Implementation of new approaches** – up to $100,000 per year, per project with a target of 2-3 projects being funded per year.

Additional Details

LOI Deadline: April 16, 2018
Internal HRS Deadline: July 5, 2018
Sponsor Deadline: July 19, 2018

MRIS Early Researcher Awards Round 14

The Ontario Ministry of Research, Innovation and Science (MRIS) has issued the call for proposals for Round 14 of the Early Researcher Awards (ERA) competition. The ERA program helps promising, recently-appointed Ontario researchers build their research teams of undergraduates, graduate students, post-doctoral fellows, research assistants, associates and technicians. The ERA program encourages applications from all disciplines. Proposals will be evaluated on the excellence of the researcher (40%), the quality of the research (30%), the development of research talent (20%), and the strategic value for Ontario (10%).

Matching funds are required for this program. Also, to be competitive, applicants must have a strong history of peer-reviewed funding, and must be able to demonstrate academic independence from previous supervisors and the benefits of their proposed research to Ontario. Therefore, it is advised that you meet with your Department Chair and Associate Dean Research to review your CV and secure matching funds.

Funding Details: Each award is a maximum of $100,000 over five years. These funds may be used for salaries, benefits and research-related travel and expenses for undergraduates, graduate students, post-doctoral fellows, research assistants, associates and technicians. In addition, up to $40,000 will be provided by the Ministry to the institution for indirect costs. The award of $100,000 for direct costs must be matched by an additional $50,000 in cash from the researcher’s institution and/or a private or public sector partner.

Additional Details
NOI Due to HRS: May 29, 2018
NOI Due to MRIS: June 1, 2018
Internal HRS Deadline: July 25, 2018
Sponsor Deadline: August 7, 2018

Weston Brain Institute, Rapid Response: Canada 2018 – Alzheimer’s & Related Diseases
The Weston Brain Institute (the “Institute”) supports research that accelerates the development of therapeutics for neurodegenerative diseases of aging. To help achieve this, the Institute addresses gaps and inefficiencies in the funding market by supporting high-risk, high-reward translational projects, while leveraging world-class business and scientific expertise in a fast and flexible granting process. Neurodegenerative diseases of aging are among the least understood and most undertreated diseases today. Diseases such as Alzheimer’s and Parkinson’s are placing a large and increasing burden on society. If ignored, the social and economic costs to manage these diseases will rise significantly within a generation. Meeting this challenge requires pioneering approaches to accelerating treatments. The Rapid Response: Canada program was created to provide seed funding to catalyze novel, high-risk, high-reward, translational research.

Funding Details: A maximum of $200,000 over up to 18 months per project

Additional Details
LOI Deadline: April 19, 2018
Internal HRS Deadline: July 25, 2018
Sponsor Deadline: August 8, 2018

The Michael J. Fox Foundation: Alpha-Synuclein Biology and Therapies
The Michael J. Fox Foundation will award one-to-two-year grants for alpha-synuclein research to advance understanding of alpha-synuclein biology and accelerate therapeutic approaches. This program seeks proposals for research studying:
- The role of alpha-synuclein and modified forms in health and disease
- The relationship between alpha-synuclein structure and physiological functions
- Novel therapeutic approaches targeting intracellular alpha-synuclein or related pathways

A pathological hallmark of Parkinson’s and other neurodegenerative disorders, alpha-synuclein accumulation into Lewy bodies is thought to play a major role in the onset and/or progression of disease. Clinical trials are ongoing for several potential treatments targeting extracellular alpha-synuclein. MJFF will support projects aimed at altering intracellular alpha-synuclein in order to broaden the scope of therapeutic approaches.

Funding Details:
- Biological Pathways & Novel Targets: 1-2 year grants, up to $150,000
- Therapeutic Development: 1-2 year grants, up to $500,000

Additional Details
LOI Deadline: May 31, 2018
Internal HRS Deadline: August 3, 2018
Sponsor Deadline: August 20, 2018 (by invite only)

The Michael J. Fox Foundation: Biomarkers of Protein Handling/Autophagy, Exosomes and Lipids
The Michael J. Fox Foundation will award one-to-two-year grants to advance biomarker assays in three highly relevant Parkinson’s disease (PD) biology research areas. Investigators working on assay development, optimization of existing assays and clinical sample assessment are encouraged to apply. This program seeks proposals for research studying biomarkers of:
- Protein handling/autophagy pathways
- Exosomes of neuronal origin (including assays to measure proteins, nucleic acids, lipids or metabolites)
- Lipids (including absolute and relative quantification and identification of lipid series)

To date, research into protein handling, exosomes, and lipidomics has mainly focused on dissecting the molecular pathways, understanding biological dysfunction and elucidating associated pathophysiology. Scientists have observed differences in these
cellular processes in cellular and animal models, as well as some data in people with Parkinson’s. The next step in translating these important biological targets for clinical intervention is to develop, validate and assess key markers in human biofluids/biospecimens.

**Funding Details:** Funding is commensurable with the study goals.

**Additional Details**
- **LOI Deadline:** May 31, 2018
- **Internal HRS Deadline:** August 3, 2018
- **Sponsor Deadline:** August 20, 2018 (by invite only)

**The Michael J. Fox Foundation: GBA Biology and Therapies**

The Michael J. Fox Foundation and The Silverstein Foundation for Parkinson’s with GBA will award one-to-two-year grants for GBA research to advance understanding of GBA biology and accelerate therapeutic approaches. This program seeks proposals for research studying:

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

Mutations in the glucocerebrosidase (GBA) gene are one of the most common risk factors for Parkinson’s disease. GBA encodes a lysosomal enzyme, beta-glucocerebrosidase (GCase). Reduced GCase activity is associated with GBA mutations and has been reported in idiopathic PD, suggesting a more general role for GCase pathway dysfunction in Parkinson's. The exact cellular mechanism by which GCase deficits contribute to the pathogenesis of PD remains unclear, warranting further investigation.

**Funding Details:**
- **Biological Pathways & Novel Targets:** 1-2 year grants, up to $150,000
- **Therapeutic Development:** 1-2 year grants, up to $500,000

**Additional Details**
- **LOI Deadline:** May 31, 2018
- **Internal HRS Deadline:** August 3, 2018
- **Sponsor Deadline:** August 20, 2018 (by invite only)

**The Michael J. Fox Foundation: Non-Pharmacological Interventions for Gait and Balance Disturbances**

The Michael J. Fox Foundation will award one-to-two-year grants to test non-pharmacological interventions for the treatment of gait and balance disturbances in people with Parkinson’s disease (PD). We are particularly interested in proof-of-concept, validation and data-analysis projects. This program seeks proposals for research studying the therapeutic benefit of:

- Assistive devices (e.g., back or leg braces)
- Novel technologies (e.g., laser or wearable devices)
- Rehabilitative therapy programs (e.g., occupational or physical therapy)

Gait and balance disturbances in PD can lead to falls, injury, disability and diminished quality of life. While existing dopamine therapies offer therapeutic benefit in treating motor dysfunction in PD, pharmacological-based interventions may not fully ameliorate challenges in gait and balance. MJFF will prioritize projects that aim to demonstrate proof of concept of methods, feasibility of use and reasonable merit to help gait and balance disturbance in PD. Promising novel technologies must have at least a prototype available to test for proof of concept. Projects also may aim to analyze preliminary existing data around devices or programs. At the end of the proposed project period, technology or approach has the potential to be quickly integrated into patient care.

Please note: This program is not appropriate for technology development, cognitive-based interventions (e.g., cognitive behavioral therapy) or exercise intervention programs.

**Funding Details:** 1-2 year grants up to $500,000

**Additional Details**
- **LOI Deadline:** May 31, 2018
- **Internal HRS Deadline:** August 3, 2018
**Canadian Cancer Society (CCS) Impact Grants**

The Impact Grant program is intended to contribute to the scientific idea ‘pipeline’ by supporting significant progression in cancer research programs that are anywhere in the continuum from basic high impact discovery to translational work of direct relevance to the clinic and beyond. Impact Grants will accelerate and focus the knowledge gained from scientific findings, in the short or long term, into outcomes that will significantly advance understanding of cancer and improve scientific knowledge, which will result in optimized patient care, improved cancer treatment or reduced cancer burden. Impact Grants are to provide funding to support ideas that promote major advancements in research programs, whether at the fundamental discovery stage (such as studies involving model organisms that demonstrate potential for impact) through to applied research (such as patient or population-based proposals). In addition to biomedical research, applications from prevention, health services, social and population health researchers are encouraged. Note that these grants are not intended to support incremental scientific advances and should not be considered a “regular” research grant and are not intended to solely support research infrastructure.

**Funding Details:** Budgets awarded will not exceed $250,000 per year, to a maximum of $1,250,000 per grant. The grant term is up to 5 years.

**Additional Details**
- **LOI Deadline:** April 10, 2018
- **Internal HRS Deadline:** August 30, 2018
- **Sponsor Deadline:** September 13, 2018

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**Health Quality Ontario: Adopting Research to Improve Care (ARTIC) Program**

The Adopting Research to Improve Care (ARTIC) Program is a proven model for accelerating the implementation of research evidence into broader practice, contributing to improving the quality of care across Ontario. It is a continuing partnership co-led by Health Quality Ontario (HQO) and the Council of Academic Hospitals of Ontario (CAHO) and brought to life through the Program’s engagement with a wide array of system partners. Too often, research evidence that improves the quality of care are successfully implemented and adopted into practice in one organization, yet this knowledge is never spread to other 5 organizations. Effective evidence implementation and change management require an investment of time, knowledge, expertise, and funding. The ARTIC Program is designed to support and accelerate the implementation and spread of proven clinical interventions or practice changes by strengthening enablers and addressing barriers to support adoption and spread of research evidence across organizations to achieve optimal impact and outcomes.

**Funding Details:** For 2018/2019 fiscal year, The ARTIC Program will be funding at least one spread project over a 24-month period. The maximum funding available for projects selected in this call for proposals is $1,000,000.

**Additional Details**
- **LOI Deadline:** May 25, 2018
- **Internal HRS Deadline:** August 10, 2018
- **Sponsor Deadline:** September 24, 2018

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**McMaster University, McMaster Institute for Research on Aging (MIRA), Labarge Centre for Mobility in Aging (LCMA): Matching Funds for Research Opportunities**

The McMaster Institute for Research on Aging (MIRA) aims to optimize the health and longevity of the aging population through leading-edge research, education and stakeholder collaborations. The institute intends to amplify McMaster’s strength in aging-focused research through stimulating new partnerships, facilitating access to research funding, raising the profile of McMaster’s research platforms, and building capacity among students and faculty members. In order to improve the positioning of McMaster’s researchers in external funding competition, MIRA and the Labarge Centre for Mobility in Aging (LCMA) have allocated funding that could be used to match or leverage external funds. This process is intended to be used for requests related to externally funded, peer-reviewed grant competitions that require a matching component.

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

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

Additional Details
Sponsor Deadline: Ongoing
*To Apply, Contact Bertha Monrose, Contracts Advisor, MILO at monrose@mcmaster.ca or extension 22416*

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.

Additional Details
Sponsor Deadline: Ongoing
*To Apply, Contact Bertha Monrose, Contracts Advisor, MILO at monrose@mcmaster.ca or extension 22416*

Department of Defense Medical Research and Development Program (DMRDP) Funding Opportunities for Fiscal Year 2018
Applications to the Fiscal Year 2018 (FY18) Defense Medical Research and Development Program (DMRDP) Clinical Research Intramural Initiative (CRII) Military Performance Optimization Research Award (MPORA) are being solicited for the Defense Health Agency (DHA) J9, Research and Development Directorate. As directed by the Office of the Assistant Secretary of Defense for Health Affairs (OASD[HA]), the DHA manages and executes the Defense Health Program (DHP) Research, Development, Test, and Evaluation (RDT&E) appropriation. The U.S. Army Medical Research and Materiel Command (USAMRMC) Congressionally Directed Medical Research Programs (CDMRP) is the execution management agent for this Funding Opportunity Announcement. The CRII was initiated in 2012 to provide support for intramural clinical research in OASD(HA)-directed topic areas. The intent of the CRII is to foster intramural research aimed at protecting, supporting, and advancing the health and welfare of military personnel, families, and communities while supporting the development of military researchers and building Military Health System (MHS) research capabilities. The OASD(HA)-directed topic area for the FY18 CRII is Military Performance Optimization Research.

Funding Details: Anticipated that budgets will not exceed $1.25 million in total costs. Period of performance not to exceed 3 years.

Additional Details
LOI Deadline: April 11, 2018 (A pre-application is required and must be submitted through eBRAP)
Internal HRS Deadline: July 11, 2018
Sponsor Deadline: July 25, 2018

Department of Defense Breast Cancer Research Program (BCRP) Funding Opportunities for Fiscal Year 2018
The Department of Defense has released 6 new funding opportunities for their Breast Cancer Research Program. Please see Additional Details link for further information. Please note respective deadlines for each award.

Funding Details:
- **Era of Hope Scholar Award** – Maximum funding of $2.5M for direct and indirect costs for a maximum of 4 years.
- **Breakthrough Award Levels 1 and 2**
  - Funding Level 1 – Maximum funding of $375,000 for direct and indirect costs for a maximum of 3 years.
  - Funding Level 1 with partnering PI Option – Maximum funding of $600,000 for direct and indirect costs for a maximum of 3 years.
- **Breakthrough Fellowship Award** – Maximum funding of $300,000 for direct and indirect costs for a maximum of 3 years.

LOI Deadline: May 16, 2018 (A pre-application is required and must be submitted through eBRAP)
Internal HRS Deadline: May 23, 2018
Sponsor Deadline: May 30, 2018

Funding Details:

- **Innovator Award** – Maximum funding of $5M for direct and indirect costs for a maximum of 4 years.
- **Breakthrough Award Levels 3 and 4**
  - Funding Level 3 – Maximum funding of $2.5M for direct and indirect costs for a maximum of 4 years.
  - Funding Level 3 with partnering PI option – Maximum funding of $4M for direct and indirect costs for a maximum of 4 years.
  - Funding Level 4 and Funding Level 4 with partnering PI option – Maximum funding of $10M for direct and indirect costs for a maximum of 4 years.
- **Distinguished Investigator Award** – Maximum funding of $3M for direct and indirect costs for a maximum of 4 years.

LOI Deadline: May 15, 2018 (A pre-application is required and must be submitted through eBRAP)
Internal HRS Deadline: July 31, 2018
Sponsor Deadline: August 14, 2018