Week of March 29, 2018

Dear colleagues,

Please find below this week’s updates:

- You are invited to register for the upcoming 4th Annual McMaster International Review Course in Internal Medicine (MIRCIM) 2018. It will take place in Krakow, Poland from May 10 – 12, 2018. Further information can be found in the attached invitation or at the website.

- Please join us for the first “McMaster Department of Medicine Day”, this year at the Royal Ontario Museum (ROM) on Saturday, May 5, 2018. This is a family friendly event for Departmental faculty and staff and will feature special presentations from ROM curators, David Evans and Doug Currie, that are arranged as exclusive benefits for our Department. Further details are attached. Your admission price will include presentations, lunch and time to explore other various exhibits the museum has to offer. This event will take place in the C5 space. To access C5, please use the dedicated elevator next to the tail of the dinosaur on the main floor. The schedule for the day is:

  
  10:00  ROM opens
  11:00 – 11:30  Presentation by David Evans
  12:00 - 1:00  Buffet lunch in C5
  1:00 – 1:30  Presentation by Doug Currie
  5:30  ROM closes

*To save 20% off regular admission rates, purchase your tickets online at [www.rom.on.ca](http://www.rom.on.ca) and use the promo code: MCMASTER. If you plan to attend using your ROM membership, please notify Sara Sellers at [sellers@mcmaster.ca](mailto:sellers@mcmaster.ca). Please be sure to purchase your tickets by Friday, April 20.* Space is limited and we are hoping for a great turnout of faculty and staff.

- Congratulations to Dr. Craig Ainsworth on being awarded the PARO Teaching Award this year.

- Congratulations to Dr. James Douketis on recently being appointed as an honorary Doctor of Medicine by the University of Thessaly, a regional university in mainland Greece. His 'sponsor' was Dr. Eleni Arnaoutoglou, Chair of Anesthesiology. Dr. Douketis shares that he was humbled and honoured to have received this recognition.

- You are invited to the Population Genomics Program’s 2nd Annual Workshop on May 28 and 29. Please find the poster attached.

- Please find attached the most recent Healthy Workplace newsletter on Gardening and Sustainability.
Undergraduate Medical Education is still in need of MD examiners for the HAMILTON CAMPUS MD Program Third-Year OSCE Class of 2018.

Date: Tuesday April 10, 2018
Time: 5pm to 11pm (orientation 5:00-6:00pm / OSCE exercise 6:00-11:00pm)
Location: McMaster Health Sciences Centre 1200 Main St. W., Hamilton, ON L8N 3Z5

CLICK HERE TO REGISTER FOR THE APRIL 10, 2018 OSCE

The Michael G. DeGroote Health Leadership Academy invites you to their upcoming Collaboratorium Talks and Events.

Dr. Meera Luthra would like to invite you to attend a workshop on Direct Observation and Feedback led by Drs. Parveen Wasi and Sharon Marr on Tuesday, April 24 from 5:30 - 8:30 PM in the McMaster Simulation Centre. Given that direct observation and feedback are key components of CBD, this workshop will be beneficial if you are involved in postgraduate medical education and have not previously attended it. It has been highly rated in past years as an interactive and engaging session and she hopes that you will be able to set aside some time for this. There is capacity for 16-20 people and it will be on a first come, first served basis. Please RVSP by email to Dr. Luthra at mluthra@mcmaster.ca with a copy to her assistant Julie at jwhalen@stjoes.ca by April 9th. Dinner will be provided and AFP hours can be claimed for attendance.

Please find attached the March 30 issue of the HRS Funding Opportunities Bulletin

Please find attached the March 29 issue of the ROADS Funding Opportunities Bulletin

Please join us at Grand Rounds next week on April 5, 2018 at 8:00 am. Chair’s Medical Grand Rounds will be hosting Dr. Erwin Montgomery in the Miller Amphitheatre who will be speaking on Deep Brain Stimulation (DBS) – Better Living Through Electricity. Medical Grand Rounds – HHS will be hosting Dr. Rosalyn Juergens in the JH Auditorium who will be speaking on Understanding Immunotherapy and Managing Adverse Reactions. Further information on these events, and many others taking place in the Department, can be found in the ETA Calendar.

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
Dear Colleagues,

It is with great pleasure that we invite you to attend the 4th McMaster International Review Course in Internal Medicine (MIRCIM), which will take place in the beautiful historic city of Kraków, Poland, on May 10–12, 2018.

MIRCIM has been conceived and developed by the McMaster University Department of Medicine, the birthplace of evidence-based medicine (EBM) and problem-based learning (PBL), and the Polish Institute for Evidence Based Medicine. It is organized in collaboration with Jagiellonian University Medical College and the Polish Society of Internal Medicine in partnership with over 20 national societies of internal medicine from around the world.

The two-day course will be filled with information-packed lectures delivered by an outstanding assembly of speakers who are world-renowned experts in their fields, from authors of clinical practice guidelines to researchers behind breakthrough trials that shape the modern standards in medicine. Our aim has been to deliver up-to-date and reliable knowledge that is useful to general internists, subspecialists, hospitalists, family physicians, residents and fellows in training specialising in internal medicine – and we are proud to say that we have achieved this goal.

The lectures will be delivered on May 11 and 12. On the first day, May 10, the participants will be able to choose from a number of clinical workshops.

The course will take place in the ICE Kraków Congress Centre, located conveniently in the city centre and close to Kraków’s famous tourist attractions. The time spent in Kraków during the course will offer a myriad of opportunities to experience the rich cultural life and remarkable heritage that the city boasts.

In 2017, MIRCIM attracted almost 900 participants from 36 countries. The participants highly praised the quality of lectures, topic selection and social events (see at www.mircim.eu/2017).

We look forward to seeing you in Kraków in May 2018.

Co-chairs of the Organizing Committee

Honorary Chair

ICE Congress Centre
Kraków
10–12 May 2018

Most up-to-date, evidence-based knowledge useful in everyday practice

Information-packed lectures delivered by world-renowned experts

www.mircim.eu
Dear colleagues,

Please join us for the first “McMaster Department of Medicine Day”, this year at the Royal Ontario Museum (ROM) on Saturday, May 5, 2018. This is a family friendly event for Departmental faculty and staff and will feature special presentations from ROM curators, David Evans and Doug Currie, that are arranged as exclusive benefits for our Department.

David is the Temerty Chair and Senior Curator in Vertebrate Palaeontology at the ROM, where he oversees dinosaur research. He is also a cross-appointed Associate Professor at the University of Toronto. David is an Ontario-born researcher who is recognized as an authority on the rich dinosaur fossil record of Canada and the time period immediately before the great extinction that marked the end of the Age of Dinosaurs. Active in the field, he has participated in expeditions all over the world, including the Africa, Mongolia, and Canada, and has helped discover over 10 new dinosaur species—including the remarkable horned dinosaur *Wendiceratops* from southern Alberta, and the wickedly armoured *Zuul* named after the *Ghostbusters* movie monster. Many of you will know that Dr. Crowther and David have an active research collaboration and Dr. Crowther has become an active member of David’s field team in Alberta. David’s talk will focus on recent exciting discoveries from ROM fieldwork, and will include an “up close and personal” with some of its famous dinosaur collection.

Doug is Vice-President, Department of Natural History and Senior Curator of Entomology at the ROM and Associate Professor in the Department of Ecology & Evolutionary Biology at the University of Toronto. Doug’s research interests are focused on the systematics and comparative biology of aquatic insects, with special reference to black flies. Doug will speak about an upcoming ROM blockbuster special display on spiders—making something that many people are afraid of part of a great interactive educational display.

The ROM is putting this event on exclusively for us! Your admission price will include presentations, lunch and time to explore other various exhibits the museum has to offer. To save 20% off regular admission rates, purchase your tickets online at www.rom.on.ca and use the promo code: **MCMASTER**. Please mark this date in your calendar. Please mark this date in your calendar. If you plan to attend using your ROM membership, please notify Sara Sellers at sellers@mcmaster.ca. Space is limited and we are hoping for a great turnout of faculty and staff. Further details are attached.

For those who have not visited the ROM, it is one of the world’s great museums and is consistently rated as Toronto’s premier cultural institution for all ages. It is easily accessible by car (either driving and parking in the area of the museum, or driving to the Kipling TTC station and taking the subway to St George station, a TTC family pass is a “can’t beat” price to get on the subway) or taking the GO from Aldershot or Burlington then the subway to Museum station. GO transit also offers a very competitive family pass to save the inconvenience of driving and parking in Toronto. This promises to be a great day for the entire family; and an opportunity to spend some “quality time” with your family and colleagues.
Population Genomics Program’s
2nd Annual Workshop, May 28 & 29, 2018

**TOPIC:**
Promise and Pitfalls of Publicly Available Data

**Keynote Speakers**
Dr. Hertz Gerstein  
Professor of Medicine, McMaster University
Dr. Alfonso Iorio  
Professor of Health Research Methodology, McMaster University

Learn the promise and pitfalls of publicly available data in the era of genomics, metabolomics, microbiomics, and phenomics, as applied to human health and precision medicine.

**Host Speakers**
Sonia Anand
Joseph Beyene
Russell de Souza
David Meyre
Guillaume Pare
Zena Samaan

**Guest Speakers**
Laura Banfield
Phil Britz-McKibbin
Lisa Schwartz
Jennifer Stearns

Register at:
[www.omicsconference.ca](http://www.omicsconference.ca)
McMaster University
Michael DeGroote Centre for Learning for Learning, Hamilton, ON
Gardening and Sustainability

Gardening and the Environment

Are you that neighbour with the lawn so green it looks fake? Or are you the one with weeds growing out of every crevice? Whichever one you are, your property, whether small or large, impacts the world around us. This week, we’re going to look at ways your front and backyard can help the world around you in a positive way!

Take me to Your Weeder

We get it, trust us! It’s so much easier to squirt a little Weed-be-Gone on a pesky jimson weed than to pick it out by hand. If you want to help the environment by reducing the amount of airborne pesticides, there are many ways to get rid of weeds without the use of chemicals.

1. Make your own weed killer with ingredients already at home! Add 1 gallon white vinegar to 1 cup of salt and 1 tablespoon of dish soap – spray liberally on weeds. The salt and vinegar will draw moisture from the weed while the dish soap will allow the weed to absorb the spray.
2. Use to old fashion method and pull weeds manually. Try to get weeds the moment they pop up before they can spread their seeds. Always make sure you get the whole root as well. Even the smallest piece of root can grow into a whole weed.

Reference:

Spruce Almighty

We cannot stress the importance of trees! Not only do they provide that necessary thing we all need called “oxygen”, but they also provide a habitat for a healthy lawn and garden.

1. Tree roots prevent soil erosion and better keep water in the ground from run-off.
2. The organic matter that they drop in the forms of leaves, bark/twigs, sap or edibles decomposes to enrich the ground below. They also invite healthy fungi and bacteria.
3. They provide shade, preventing areas to become too hot via the collection and holding of moisture.

References:
https://permaculturenews.org/2017/03/03/importance-trees-garden/

The Thirst is Real

Seriously, it is real. As cost of utilities rise and our climate gets warmer, water which was once an abundant commodity is now showing its shy side. If you’re tired of being that person with a brown lawn, why don’t you switch to a draught tolerant lawn? Below are a few ways how:

1. Opt for rocks, patio stones and mulch for ground cover. You’ll spend less money and they last years. Check out these local yard transformations here:
http://www.brantford.ca/residents/health/water_quality/programs/WaterwiseLandscapeRecognition/Pages/ShowcasingLocalWaterwiseLawnConversions.aspx
2. Draught tolerant plants are for Canada too! Some of your beloved perennials such as Iris, Lavender and Creeping Thyme can survive without a daily watering.
3. Rain barrels are a great way to save water that comes for free! As well, rain gardens are low maintenance by watering themselves.

Lettuce Help!

Making the switch to a sustainable yard isn’t as expensive as you think. The city you live in most likely already provides great free or discounted resources to help you on your way.

1. Cities such as Hamilton, Brantford and Cambridge offer free mulch and compost to area residents to help prepare healthy soil for your garden. Found at your local recycling centre.
2. Rain Barrels and composters are offered at a discounted price, other times for free from local recycling and community centers.
Kyle Armstrong
Program Coordinator: Engagement & Wellness
Organizational Development
McMaster University
(t) 905-525-9140 x24460
(e) karmstr@mcmaster.ca

Follow us on Twitter: @McMasterOD
### News & Events

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<tr>
<th>Genome Canada Information Session – Large Scale Applied Research Project (LSARP) Competition</th>
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<td>Genome Canada will be launching their next Large Scale Applied Research competition shortly which will likely be focused on agriculture, agri-food, fisheries and aquaculture. Based on past LSARP competitions, projects will likely need to be: large scale applied scientific or GE3LS (social science/humanities pertaining to genomics) projects that focus on using genomic approaches within the agriculture, agri-food and fisheries/aquaculture sectors; include end users as part of the project teams; be multi-disciplinary (science and social science/humanities); and have a total 4-year budget between $2M-$10M. Co-funding will be required and project deliverables will need to lead to social and/or economic benefits to Canada.</td>
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<td>The anticipated launch of this new LSARP competition is June 2018. While the competition parameters are still being finalized, we wish to alert potential applicants of this pending competition so that networking and project preparation can begin now.</td>
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<td>In preparation for this competition, ROADS will be hosting an information session on Thursday April 5, 2018 with Caitlin Taylor, Senior Manager, Research and Business Development at Ontario Genomics. At this information session, researchers will learn more about the competition and how to work with partners and Ontario Genomics to position a research project for success from application stage through implementation. Caitlin will be available after the information session to meet with individual researchers or groups who wish to discuss their projects and ask questions.</td>
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| **Where:** MDCL 2232  
**When:** Thursday April 5, 2018, 1:30pm – 3:00pm |
| Specific program information and guidelines regarding this funding opportunity will be sent to FHS researchers by HRS once this program is launched. |
| Those researchers who would like to attend this information session and meet with Caitlin, please register [https://genome-canada-information-session.eventbrite.ca](https://genome-canada-information-session.eventbrite.ca). |

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<th>Association of Clinical Research Professionals (ACRP) E-Learning Program</th>
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<td>Together, McMaster University, Hamilton Health Sciences and the Research Institute of St. Joe’s Hamilton have partnered with the Association of Clinical Research Professionals (ACRP) to make an e-learning training program available to our esteemed and valued research staff at no cost. We are delighted to share this exciting news with you and encourage you to partake in this opportunity.</td>
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<td>Please visit the Health Research Services website: <a href="https://fhs.mcmaster.ca/healthresearch/ACRP.htm">https://fhs.mcmaster.ca/healthresearch/ACRP.htm</a> to learn about ACRP and how you can register.</td>
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N2 and Health Canada Request for Feedback: Guidance Document Part C, Division 5 of the Food and Drug Regulations “Drugs for Clinical Trials Involving Human Subjects”

N2 is working in partnership with Health Canada (HC) on their consultation to seek input from Canadians and key stakeholders on their draft of GUI-0100: Guidance Document-Part C, Division 5 of the Food and Drug Regulations “Drugs for Clinical Trials Involving Human Subjects”.

HC is looking for comments on the clarity and expectations on how to comply with Part C, Division 5, including the interpretation of ICH-E6(R2) in the Canadian context. Health Canada, as a member of ICH, will formally adopt ICH-E6(R2) on April 1st, 2018.

This GUI-0100 guide is designed to make Part C, Division 5 of the Food and Drug Regulations “Drugs for Clinical Trials Involving Human Subjects” easier to understand. It is intended to:

- promote stakeholder compliance with Part C, Division 5
- promote consistency and quality in the conduct of Health Canada compliance activities
- provide interpretation of Part C, Division 5, and specifically in terms of its relationship to ICH E6(R2)

Health Canada is looking for comments on:

- The clarity and expectations on how to comply with Part C, Division 5, including the interpretation of ICH E6(R2) in the Canadian context

Health Canada is not looking for comments on:

- The wording or specific provisions of Part C, Division 5 of the Food and Drug Regulations
- The wording and provisions of ICH E6(R2)

TIMELINE

Feedback will be collected between December 15th, 2017 and April 15th, 2018.

As an N2 member, we encourage you to provide your feedback through the N2 mechanism to support Health Canada’s structured approach and to facilitate collation of the feedback.

Please find the GUI-0100 draft guidance documents here, and use the following link to provide your comments/feedback: https://www.surveymonkey.com/r/2WDY26Q

If you have questions, related to N2’s involvement with Health Canada’s consultation on GUI-0100 please contact:

Karen Arts- N2 Chair, Board of Directors
karen.arts@n2canada.ca
Tel: 416.673.6637

Susanna Sellmann-N2 Quality Committee
Susanna.Sellmann@uhnresearch.ca
Tel: 416.946.4501 x3221

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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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<th>Internal HRS Deadline</th>
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<td><strong>NEW</strong> CIHR – Call for Nominations – 2018 Institute Advisory Boards (IABs)</td>
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<td>CIHR – Team Grant: Canada-EU Data Flagship Collaboration</td>
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<td><strong>NEW</strong> CIHR Research Network: Rare Diseases</td>
<td>May 1</td>
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<td><strong>NEW</strong> CIHR – Travel Awards – International Course on Antibiotics and Resistance (ICARE)</td>
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<td>CIHR – Operating Grant: ECI Grants in Maternal, Reproductive, Child &amp; Youth Health</td>
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<td>CIHR – Operating Grant: Network Environments for Indigenous Health Research</td>
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<td>CIHR – Team Grant: Transnational Cardiovascular Research Projects</td>
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<td>CIHR Team Grant: E-Rare-3 Joint Transnational Call (2018)</td>
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<td>CIHR – Strategy for Patient-Oriented Research (SPOR) National Data Platform</td>
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<td>Michael G. DeGroote Fellowship Awards</td>
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<td>Faculty of Health Sciences Education Innovation Fund</td>
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<td>The University of British Columbia Faculty of Medicine Call for Nominations: National Research Prizes</td>
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<td>CanVECTOR Thrombosis Canada Research Fellowship 2018-2019</td>
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<td>Brain Canada Foundation and Azrieli Foundation Early-Career Capacity Building Grants</td>
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<td><em>NEW</em> The Labarge Centre for Mobility in Aging within the McMaster Institute for Research on Aging Catalyst Grant Funding Call for Proposals (Please inform HRS of your intent to apply by April 13, 2018)</td>
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<td>SickKids Foundation, National Grants: New investigator Research Grants</td>
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<td>Brain Tumour Foundation of Canada Research Grant Program</td>
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<td>Scottish Rite Charitable Foundation (SRCF): Major Research Grants</td>
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<td>Osteoporosis Canada: Canadian Multicentre Osteoporosis Study (CaMos) Fellowship Award</td>
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<td>MITACS Globalink Research Award</td>
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<td><em>NEW</em> Government of Canada: Partnerships for Her Voice, Her Choice (Please inform HRS of your intent to apply by April 4, 2018)</td>
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<td>Spencer Foundation: Small Research Grants</td>
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<td>Fund/Program</td>
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<td><strong>Bill &amp; Melinda Gates Foundation, Global Grand Challenges: Campylobacter</strong></td>
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<td>sp., Transmission Dynamics in Low and Middle-Income Countries (LMIC)</td>
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<td><strong>Alzheimer’s Association: GAAIN Exploration to Evaluate Novel Alzheimer’s</strong></td>
<td>Apr 4 to Apr 27, May 11 (by invite only)</td>
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<td><strong>2019 Killam Research Fellowships Competition</strong></td>
<td>Apr 24 Draft to HRS, May 8 Final App due to HRS, May 15 (by invite only)</td>
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<td>(Please inform HRS of your intent to apply by April 9, 2018)</td>
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<td><strong>NEW</strong> Alex’s Lemonade Stand Foundation: Reach Grants</td>
<td>May 7 to May 21</td>
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<tr>
<td><strong>NEW</strong> Alex’s Lemonade Stand Foundation: ‘A’ Awards</td>
<td>May 7 to May 21</td>
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<td><strong>Hamilton Health Sciences (HHS) Health Professional Investigator Operating</strong></td>
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<td>Grant Program</td>
<td>N/A to Jun 1</td>
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<td><strong>ALS Canada: ALS Canada Project Grant Program 2018</strong></td>
<td>May 25 to Jun 8</td>
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<td><strong>NEW</strong> Social Sciences and Humanities Research Council (SSHRC) Partnership</td>
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<td>Engage Grants</td>
<td>Apr 13 to Jun 7 Draft to ROADS, Jun 7 Final App due to ROADS, Jun 15 (by invite only)</td>
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<td><strong>Canadian Blood Services (CBS) MSM Research Grant Program</strong></td>
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<td><strong>Crohn’s &amp; Colitis Foundation: Grants</strong></td>
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<td><strong>European Commission Research Projects on Personalized Medicine – Smart</strong></td>
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<td>Combination of Pre-clinical and Clinical Research with Data and ICT Solutions</td>
<td>Apr 10 to Jun 21, Jul 5</td>
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<td><strong>The Royal-Mach-Gaenssten Prize for Mental Health Research</strong></td>
<td>Jul 1 to Jul 15, Jul 15</td>
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<td><strong>Heart and Stroke Foundation Canadian Partnership for Stroke Recovery</strong></td>
<td>Apr 16 to Jul 15, Jul 19</td>
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<td><strong>MRIS Early Researcher Awards Round 14</strong></td>
<td>May 29 Draft NOI to HRS, Jun 1 NOI to MRIS, Aug 7</td>
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<td>(Please inform HRS of your intent to apply by April 9, 2018)</td>
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<td><strong>Weston Brain Institute, Rapid Response: Canada 2018 – Alzheimer’s &amp; Related</strong></td>
<td>Apr 19 to Jul 25, Aug 8</td>
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<td>Diseases</td>
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<td>Initiative Competition (please inform HRS of your intent to apply)</td>
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<td><strong>Canadian Cancer Society (CCS) Impact Grants</strong></td>
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<td><strong>NEW</strong> Health Quality Ontario: Adopting Research to Improve Care (ARTIC)**</td>
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<td><strong>Ontario Genomics: Genomic Applications Partnership Program (GAPP) Round 12</strong></td>
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<td><strong>MITACS Accelerate Fellowship</strong></td>
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### Funding Opportunity (DoD)

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### 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 – Team Grant: Canada-EU Data Flagship Collaboration**

The goal of this funding opportunity is to build a collaboration of stakeholders in Europe and Canada in the domain of repositories storing and sharing human –omics data that will create a framework for long-term cooperation. In order to do so, this program aims to enhance and standardize data deposition, curation and exchange procedures thus ensuring better data reuse and increased benefit to the scientific communities worldwide. Projects should develop approaches that integrate data from disparate sources and include one or more of the following elements:

- Data models that guarantee the interoperability of human health research data from different repositories and integrate different types of –omics data and, where relevant, clinical research and lifestyle data. The data models should take into account sex/gender differences where relevant. The projects should build on existing research infrastructures such as –omics repositories, biobanks and registries.
- Reference architecture for data and process interoperability.
- Technologies and methodologies for data harvesting, data access, data transfers, and archiving complex datasets.
- Bioinformatics toolbox to support the analysis and management of data on diseases from a personalized medicine standpoint.
- International ethical and legal governance model for a research data management and storage infrastructure and an associated data management plan compliant with the required level of data security and privacy that is aligned with the recent recommendations of the OECD Council on Health Data Governance.

For complete information on the challenge to be addressed, scope, expected impact, and cross-cutting priorities, please refer to the [European Commission funding opportunity](#).

**Funding Details:** The total amount available to Canadian researchers for this funding opportunity is CAD $5,500,000, enough to fund up to 7 grants from all Canadian funding sources. This amount may increase if additional funding partners participate. The maximum amount per grant is $200,000 per year for up to 4 years for a total of $800,000, per grant.
**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: **April 4, 2018**
Sponsor Deadline: **April 18, 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, toxicity, 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**

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**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 – 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
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 (IRDiRC). 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 bioinformatics 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

**Michael G. DeGroote Fellowship Awards**
The Michael G. DeGroote Fellowship Awards are an opportunity for excellent postdoctoral candidates to pursue top-level research training. First awarded in 2008, the awards provide funding to research-intensive individuals looking to further their academic career in the Faculty of Health Sciences at McMaster University.

Each award provides non-renewable funding of $50,000 for one year for successful applicants. The funding is comprised of $40,000 from the Michael G. DeGroote Health Sciences Development Fund and $10,000 contributed by the applicant’s supervisor.

Awards are available in two categories: the **Michael G. DeGroote Fellowship Award in Basic Biomedical Science** and the **Michael G. DeGroote Fellowship Award in Clinical Research**. Candidates conducting basic science research are eligible for the Basic Biomedical Science Fellowship Award and those pursuing clinical research are eligible for the Clinical Research Fellowship Award. Applicants
must identify in their application which award they are applying for. Separate selection committees will review the respective applicants for each award.

Applications are now being accepted and we are seeking qualified candidates to apply. If you know of any first-rate candidates who you feel would be a good fit for these awards under your supervision, please:

- Email mgdfa@mcmaster.ca clearly detailing your ability and willingness to provide the matching $10,000 in funding to support the candidate
- Have the candidate visit http://fhs.mcmaster.ca/mgdfa/ and apply online. The deadline for applications is April 2, 2018 with an estimated start date of July 1, 2018.

Eligibility

- Only candidates who are (a) external to McMaster, or (b) internal students who have yet to begin postdoctoral or health professional degree studies at McMaster, or (c) internal students who began their postdoctoral or health professional degree studies at McMaster no earlier than July 1, 2017, will be eligible for the awards.
- For candidates who hold (or are completing) a PhD, the proposed supervisor(s) listed in their application must be different than their PhD supervisor.
- Priority will be given to those applicants whose graduate training has not been exclusively at McMaster.

It is expected that winning applicants will seek out and attain external funding within their one-year award term. Supervisors are expected to assist their candidates in doing so.

For more information on the awards, please visit the awards website or send any questions to mgdfa@mcmaster.ca.

Additional Details

Sponsor Deadline: April 2, 2018

HHS New Investigator Fund (NIF) 2018 Round 1

The Hamilton Health Sciences’ commitment to “first stage” research led to the creation of the New Investigator Fund (NIF). The fund is an integration of the former HHS Foundation Young Investigator Grants and the HHS Research Development Fund, and provides a unique opportunity to foster and support a culture of inquiry for novice investigators under the mentorship of senior staff. The NIF provides project funding to front-line staff (healthcare professionals and medical staff) toward research initiatives directly relevant to the clinical mission and research strategic direction of HHS.

Funding Details: Grants will be awarded based on the excellence exhibited by the research and a maximum of $50,000 awarded per project.

Additional Details

Sponsor Deadline: April 3, 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:
   a. Proposed study question/objectives
   b. Proposed method of analysis
c. Expected project outcome
d. Strategy for disseminating outcome findings
e. Potential education impact of the study
f. Potential of the research for commercialization, if applicable

3) **Budget** The following expenses are ineligible:
   a. Salary support for P.I. or other faculty members
   b. Computers and other equipment unless integral to the study e.g. voice recording equipment
   c. 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 University of British Columbia Faculty of Medicine Call for Nominations: National Research Prizes
The University of British Columbia is currently seeking nominations for the following two research prizes:

**Dr. Chew Wei MBBS [HK] FRCOG [ENG] Memorial Prize in Cancer Research**
The Dr. Chew Wei MBBS [HK] FRCOG [ENG] Memorial Prize in Cancer Research is awarded annually to a Canadian physician or scientist who makes outstanding contributions to the treatment, amelioration, or development of therapies for cancer.
[Additional Details and Nomination Instructions]

**Margolese National Brain Disorders Prize**
The Margolese National Brain Disorders Prize is awarded annually to a Canadian physician or scientist who makes outstanding contributions to the treatment, amelioration, or cure of brain disorders.

PLEASE NOTE: Based on the prize guidelines for the 2018 Margolese Brain Disorders Prize, nominations must be for individuals external to the University of British Columbia.
[Additional Details and Nomination Instructions]

**Funding Details:** The prizes each have a value of $50,000

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

CanVECTOR Trainee Fellowship & Studentship Awards 2018-2019
CanVECTOR offers two types of research training awards to the medical and scientific community:
1. **Research fellowships (given priority over studentships)** - candidates who are MDs and aim to become clinician scientists or clinician investigators in venous thromboembolism (VTE). Definitions below:

   CanVECTOR clinician scientist:
• Is committed to devoting a substantive percent (≥ 75%) of their professional effort to research
• Has formal training in research methodology (MSc or PhD degree)
• Develops and leads research projects (assumes the role of principal applicant for grant applications and principal investigator for research execution)

CanVECTOR clinician investigator:
• Is committed to devoting a portion of their professional effort to research
• May (or may not) have formal training in research methodology
• Contributes to the development and conduct of research projects (may participate as a co-applicant for grant applications and co-investigator for research execution)

2. Graduate studentships - candidates who are enrolled in an MSc or PhD program (not MDs) and are interested in conducting VTE-focused research or developing VTE-related methodology expertise

Funding Details:
• Fellowship – Maximum of $50,000 for 1 year
• Studentship – Maximum of $20,000 for 1 year

Additional Details
Internal HRS Deadline: April 2, 2018
Sponsor Deadline: April 16, 2018

CanVECTOR Thrombosis Canada Research Fellowship 2018-2019
Thrombosis Canada and CanVECTOR proudly support a promising new clinician-investigator each year through the Thrombosis Canada CanVECTOR Fellowship for Knowledge Translation/Clinical Outcomes Research. The purpose of the fellowship is to provide financial support for a highly qualified clinician-investigator to allow them to pursue further training in thromboembolism at a Canadian centre, focusing on knowledge translation and/or clinical outcomes research.

Funding Details: $50,000 for one year, July 1 to June 30th.

Additional Details
Internal HRS Deadline: April 2, 2018
Sponsor Deadline: April 16, 2018

Brain Canada Foundation and Azrieli Foundation Early-Career Capacity Building Grants
Supported by the Canada Brain Research Fund, the general purpose of the Early-Career Capacity Building Grant program is to accelerate novel and transformative research that will fundamentally change our understanding of nervous system function and dysfunction and their impact on health. The goal is to reduce the social and economic burden of neurological and mental health problems by prevention, early diagnosis, and treatment. At the early stage of an investigator’s career, recently hired faculty are in a strong position to formulate innovative research projects that are “high risk/high reward”, but they often lack the preliminary data required to obtain their first large grant. This program provides an opportunity to develop new lines of research on the fundamental properties and mechanisms of the brain and nervous system, and gather such preliminary data. The Early-Career Capacity Building Grant has the potential to be transformative at a time when it is well recognized that there is a significant funding gap to support and retain our brightest early-career investigators, who are well positioned to make major contributions to Canadian brain research.

Funding Details: This competition has an overall envelope of $1,000,000 to support 10 projects that last two years each, for a total of $100,000 per project.

Additional Details
Internal HRS Deadline: April 3, 2018
Sponsor Deadline: April 17, 2018

European Commission International Flagship Collaboration with Canada for Human data storage, integration and sharing to enable personalized medicine approaches
CIHR and FRQS are pleased to announce that funding is available to support Canadian researchers interested in collaborating in the domain of repositories storing and sharing human-omics data that will create a framework for long-term cooperation through transnational collaborations with European researchers. The goal of this program aims to enhance and standardize data deposition,
curation and exchange procedures thus ensuring better data reuse and increased benefit to the scientific communities worldwide. This is a unique collaboration, and CIHR’s first European Commission Research and Innovation Action (RIA), which will require each project to involve at least one Canadian investigator and three European investigators fundable by the European Commission.

**Funding Details:** The total amount available for Canadian researchers from CIHR and FRQS is $5.5 million CAD, enough to fund 7 grants. The maximum amount available is $200,000 CAD per year for up to four (4) years for a total of $800,000 CAD, per grant.

**Additional Details**

**Internal HRS Deadline:** April 4, 2018  
**Sponsor Deadline:** April 18, 2018

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**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**

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**SickKids Foundation, National Grants: New investigator Research Grants**

The objective of the New Investigator Research Grant is to support early career investigators who successfully lead, participate in, and translate outstanding child health research that will respond to children’s health challenges and needs. Funding is provided for research in biomedical, clinical, health systems and services, and population and public health sectors.

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

**Funding Details:** maximum $100,000 per year for a maximum 3 years

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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

**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 those 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

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

Alzheimer’s Association: GAAIN Exploration to Evaluate Novel Alzheimer’s Queries (GEENA-Q)

The GEENA-Q program will support scientific investigation using the GAAIN tools to generate creative insights into Alzheimer’s and dementia queries. Projects will be awarded $25,000 to launch and carry forward discovery-based research to address targeted questions. GEENA-Q aims to accelerate our knowledge of biological and/or clinical change across the continuum of disease.

Applications to the GEENA-Q program will be accepted that utilize the GAAIN platform to explore novel questions in Alzheimer’s and dementia research. Proposals should focus on correlations and investigations across multiple data sets, and utilize the GAAIN Data Partners for the specific area of interest. Proposals should clearly outline the type of study, the rationale for the query, the plan to further advance the investigation.

Funding Details: $25,000 over 6-18 months

Additional Details
LOI Deadline: April 4, 2018
Internal HRS Deadline: April 27, 2018
Sponsor Deadline: May 11, 2018 (by invite only)

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

### 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

### 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

### 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)

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**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

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**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.

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

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

1) The [Litwin IBD Pioneers Initiative](#), the objective:
• 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

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.

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

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

*To apply, contact, Sarah McNiven-Scott, Senior Grants Advisor, Major Projects, HRS, at mcnivesb@mcmaster.ca or ext. 22871 no later than April 9, 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
**Networks of Centres of Excellence of Canada Knowledge Mobilization (NCE-KM) Initiative Competition**

The NCE-KM initiative funds networks dedicated to transferring knowledge to those who can put it into practice. It supports collaborations between knowledge producers and knowledge users from various disciplines, sectors and institutions, including industry, government, not-for-profit organizations and various sources and types of knowledge for the social, economic, technological, and/or wellness benefit of Canada and the Canadian population. Networks focus on addressing key problems, challenges and opportunities of high strategic importance to Canada.

NCE-KM networks are expected to create social and/or economic benefits through the application of evidence-based knowledge generated from research in combination with other sources and types of knowledge. The program supports networks pursuing knowledge translation along the entire spectrum: from the range of activities encompassed in knowledge mobilization (creation of activities and tools designed to put knowledge into active service, often through the establishment of new or modification of existing policies, processes and standards) to those encompassed in commercialization (the transformation of knowledge or technology into marketable goods, processes or services).

**Funding Details:** The total budget for this competition is currently set at $4.8M over 4 years ($1.2M/year). Successful networks will be awarded up to $400,000 per year for four years with a possible three-year renewal.

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**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.

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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

### Ontario Genomics: Genomic Applications Partnership Program (GAPP) Round 12

The Genomic Applications Partnership Program (GAPP) funds downstream research and development (R&D) projects that address real world opportunities and challenges identified by industry, government, not-for-profits and other “Receptors” of genomics knowledge and technologies. GAPP projects are collaborations between academic researchers and Receptor organizations. They are co-funded by Receptors and other stakeholders, and have the potential to generate significant social and/or economic benefits for Canada. The GAPP aims to:

- Accelerate the application of Canadian genomics-derived solutions to real-world opportunities and challenges defined by industry and public sector Receptors.
- Channel Canada’s genomics capacity into sustainable innovations that benefit Canadians.
- Enhance the value of Canadian genomics technologies by de-risking and incentivizing follow-on investment from industry and other partners.
- Foster mutually beneficial collaboration and knowledge exchange between Canadian academia and technology receptors.

**Funding Details:** From $300,000 to $6M for 1 to 3 years.

**Additional Details**
- **Internal HRS Deadline:** April 5, 2018
- **Draft EOI due to Ontario Genomics:** April 19, 2018
- **Face-to-face pitch to Ontario Genomics’ review Panel:** May 14-16, 2018
- **Final EOI due to Ontario Genomics:** June 11, 2018
- **Pitch to Genome Canada:** July 14 – August 3, 2018
- **Draft Supplementary Proposal due to Ontario Genomics:** August 20, 2018
- **Sponsor Deadline:** October 1, 2018

*Notify HRS of your intent to apply by sending an email to hsresadm@mcmaster.ca*

### 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

**Additional Details**
- **Sponsor Deadline:** Ongoing

### 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.

Additional Details

**Sponsor Deadline:** Ongoing

**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.

Additional Details

**Sponsor Deadline:** Ongoing

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**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.

Additional Details

**Sponsor Deadline:** Ongoing

*To Apply, Contact Bertha Monrose, Contracts Advisor, MILO at monrose@mcmaster.ca or extension 22416*

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**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

Additional Details

**Sponsor Deadline:** Ongoing

*To Apply, Contact Bertha Monrose, Contracts Advisor, MILO at monrose@mcmaster.ca or extension 22416*
**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.

**Additional Details**

**Sponsor Deadline:** **Ongoing**

*To Apply, Contact Bertha Monrose, Contracts Advisor, MILO at monrose@mcmaster.ca or extension 22416*

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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

**Additional Details**

**Sponsor Deadline:** **Ongoing**

*To Apply, Contact Bertha Monrose, Contracts Advisor, MILO at monrose@mcmaster.ca or extension 22416*

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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*

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**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.
  - Funding Level 2 – Maximum funding of $750,000 for direct and indirect costs for a maximum of 3 years.
  - Funding Level 2 with partnering PI Option – Maximum funding of $1M 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
In this issue:

- **Global Affairs Canada: Partnerships for Her Voice, Her Choice - Notify ROADS of Intent to Apply by April 4, 2018; Global Affairs Canada Preliminary Proposal deadline May 1, 2018**

- **Canada Council for the Arts: Killam Research Fellowships – Applicants must notify ROADS of Intent to Apply by April 9, 2018; Application deadline May 15, 2018**

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

- **Government of Canada, Natural Resources Canada, Emerging Renewable Power Program: Action on Emerging Renewable Power – Application deadline April 20, 2018**

- **Wenner-Gren Foundation: Post-Ph.D. Research Grants – Application deadline May 1, 2018**

- **The Michael J. Fox Foundation: Targeted Funding Opportunities – Webinar May 10, 2018; Pre-Proposal deadline May 31, 2018**

- **Brain Tumor Funders’ Collaborative, American Brain Tumor Association, Brain Tumour Foundation of Canada, James S. McDonnell Foundation, Pediatric Brain Tumor Foundation, The Sontag Foundation: Immunotherapy for Primary Human Brain Tumors – Pre-Proposal deadline May 11, 2018**

- **Government of Canada, Environment and Climate Change Canada: Low Carbon Economy Challenge – Expression of Interest deadline May 14, 2018**

- **RELX Group: RELX Group Environmental Challenge – Application deadline May 14, 2018**

- **McMaster University, McMaster Institute for Research on Aging, Labarge Centre for Mobility in Aging (LCMA): Grants – Application deadlines May 31, June 11, 2018**

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

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

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


Previously announced:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

• **Simons Foundation, Simons Foundation Autism Research Initiative (SFARI): SFARI Explorer Award – Applications are accepted on a rolling basis.**

• **Simons Foundation, Mathematics and Physical Sciences Division: Targeted Grants in Mathematics and Physical Sciences – Letters of Intent are accepted on a rolling basis.**
Global Affairs Canada: Partnerships for Her Voice, Her Choice

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

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

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

The project’s theory of change should also support:

. increased knowledge of SRHR issues and services among women and adolescent girls, men and boys, and community members;

. improved availability of quality sexual and reproductive health services including referral services for women and adolescent girls;

. increased capacity of facility and community health providers to deliver gender responsive and adolescent-friendly sexuality education, and sexual and reproductive health services (including family planning and contraception, safe abortion where legal and post-abortion care, HIV/AIDS/STDs and sexual and reproductive health training);

. increased capacity of government facilities and civil society organizations to use evidence-based, gender-responsive, adolescent and youth-friendly planning and management to develop policies and regulations for sexual and reproductive health services;

. increased ability of women, male and female youth, adolescent leaders and community members to participate in decision-making spaces, and advocate for women’s and adolescent SRHR.

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


Value: minimum $2 million - maximum less than $20 million, over a minimum 2 years - maximum no more than 5 years
Application process:
Notify ROADS of intent to apply by April 4, 2018.

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

Should more than one applicant express their intent to apply (by April 4) all potential applicants will be required to submit a draft proposal for an internal selection process by April 13, 2018. Global Affairs Canada has advised that applications should be submitted on April 27, 2018, at the latest, to avoid technical difficulties.

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

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

Canada Council for the Arts: Killam Research Fellowships

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

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

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

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

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

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

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

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

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

ROADS contact:
Grace Kim, Assistant Director, at kimps@mcmaster.ca or extension 24765

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

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

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

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


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

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

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

The SSHRC application deadline is June 15, 2018.

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

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

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

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

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

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

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

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

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

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

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

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


[http://www.wennergren.org/programs/post-phd-research-grants](http://www.wennergren.org/programs/post-phd-research-grants)

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

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

**ROADS contact:**
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
The Michael J. Fox Foundation (MJFF): Targeted Funding Opportunities

The MJFF has recently announced the following funding programs:

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

focus:
. the role of alpha-synuclein and modified forms in health and disease;
. the relationship between alpha-synuclein structure and physiological functions;
. novel therapeutic approaches targeting intracellular alpha-synuclein, or related pathways.

*Value:*
- *Biological Pathways & Novel Targets*: maximum $150,000
- *Therapeutic Development*: maximum $500,000

1-2 year grants
https://www.michaeljfox.org/research/grant-detail.php?id=34

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

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

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

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

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

*Value:*
- *Biological Pathways & Novel Targets*: maximum $150,000
- *Therapeutic Development*: maximum $500,000

1-2 year grants
https://www.michaeljfox.org/research/grant-detail.php?id=35

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

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

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

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

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

https://www.michaeljfox.org/research/apply-for-grant.html

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

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

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

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

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

http://www.braintumorfunders.org/

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

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

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

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

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

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


The Challenge consists of two streams:

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

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

Applicants are encouraged to apply to each stream.


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

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

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

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

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

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

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


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

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

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

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

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

The LCMA has recently announced the following funding opportunities:

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

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

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

Application process: The abstract deadline is May 31, 2018.
2) **Catalyst Grant, promoting aging in place through the lens of mobility**, the objective: to invite the Associate Deans (Research) in each Faculty the opportunity to conduct collaborative and interdisciplinary research focused on mobility in aging.

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

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

**Application process:** The abstract deadline is **May 31, 2018**.  

3) **Canadian Longitudinal Study on Aging** (CLSA), the objective: to apply for CLSA data access to be considered for MIRA funding.

The MIRA funds will be allocated only to projects that do not have any other funding for this purpose. MIRA membership is required to be eligible.

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

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

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

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

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

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

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

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**Harry Frank Guggenheim Foundation: Research Grants**

The objective of the **Research Grant** is to support scholarly research on problems of violence, aggression and dominance.
The Foundation welcomes proposals from any of the natural and social sciences and the humanities, that promise to increase understanding of the causes, manifestations, and control of violence and aggression.

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

http://hfg.org/

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

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

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

Previously announced:

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

Access the NSERC CREATE webinar slides: http://nsercofcanada.adobeconnect.com/p1v1842ki7nq/?OWASP_CSRFTOKEN=4bb1084b3b9b7c2d4a20cc8a bc8a235371ac48ce11e9274a71fa58b2671b257d

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

The training programs should encourage the following, as appropriate:

a) student mobility nationally or internationally between individual universities, and between universities and other sectors;
b) interdisciplinary research within the natural sciences and engineering (NSE), or at the interface between the NSE and health, or the social sciences and humanities (the main focus of the training must still lie within the NSE);
c) increased collaboration between industry and academia;
d) improve job-readiness within the industrial sector (i.e., exposing participants to the specific challenges of the sector and training people with the skills identified by industry).
Each training initiative must 1) focus on providing a value-added experience to the university training environment, 2) prepare research trainees for their future careers in industry, government, or academia.

NSERC priority areas:

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

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

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

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

3) **International Collaboration**, The German Research Foundation: supports a bilateral training program that involves an exchange of students between Germany and Canada. (review For the International Collaboration Deutsche Forschungsgemeinschaft (DFG) at [http://www.nserc-crsng.gc.ca/Professors-Professeurs/Grants-Subs/CREATE-FONCER_eng.asp](http://www.nserc-crsng.gc.ca/Professors-Professeurs/Grants-Subs/CREATE-FONCER_eng.asp))

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

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

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

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

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

**ROADS contact:**
Nathan Coschi, Senior Advisor, at coschinm@mcmaster.ca or extension 21581
Social Sciences and Humanities Research Council (SSHRC): Connection Grants

The objective of the Connection Grant is to support events and outreach activities geared toward short-term, targeted knowledge mobilization initiatives. Events and outreach activities funded by this grant may often serve as a first step toward more comprehensive and longer-term projects potentially eligible for funding through other SSHRC funding opportunities.

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

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

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

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


Value:
Event funding: maximum $25,000 over 1 year (the minimum request required is $7,000)
Outreach Activities funding: maximum $50,000 over 1 year

SSHRC will not fund the full cost of any Connection event or outreach activity. Additional support in the form of cash and/or in kind contributions (excluding registration fees) equivalent to a minimum of 50% of the amount requested from SSHRC must come from sponsoring organizations. Applicants may draw on complementary funding from SSHRC research grants and/or other research funding agencies, however, must make clear in their budget proposal that there is no duplication of financial support for the same budget expenses. While SSHRC funds may be used in this complementary way, these funds cannot be counted towards the 50% requirement for matching funds.

Application process:
Notify ROADS of Intent to Apply by March 13, 2018. The initial draft of the application and letters of support are due to ROADS by April 10, 2018. The final draft, and a completed and signed Application Approval Form are due to ROADS by April 24, 2018. The SSHRC application deadline is May 1, 2018.
**ROADS contact:**
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207

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**Genome Canada: Large Scale Applied Research Project (LSARP) Competition – Information Session**

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

Based on past LSARP competitions, projects will likely need to be large scale applied scientific or **GE³LS** (i.e., genomics and its ethical, environmental, economic, legal and social aspects) projects, that focus on using genomic approaches within the agriculture, agri-food and fisheries/aquaculture sectors, and 1) include end users as part of the project teams, 2) be multi-disciplinary (science and social science/humanities), and 3) have a total 4-year budget between $2 million-$10 million.

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

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

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

**LSARP Information Session**

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

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

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

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

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

The objective of the **Early Researcher Award** (ERA) is to assist promising, recently-appointed Ontario researchers to build their research teams of undergraduates, graduate students, post-doctoral fellows, research assistants, associates and technicians.
The ERA program is open on a competitive basis to researchers who are full-time faculty or principal investigators who, at the application deadline, are based at an eligible institution. To be eligible for the Round 14 competition, applicants must have 1) started their first independent academic appointment on or after July 1, 2013, and 2) obtained their first PhD/MD/DVM or terminal degree on or after July 1, 2008. For details, see Eligibility at https://www.ontario.ca/page/early-researcher-awards#section-1

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

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

**Value:**
maximum $100,000 (for direct costs) over 5 years; in addition, maximum $40,000 (for indirect costs)
The funds may be used for salaries, benefits, research-related travel and expenses for undergraduates, graduate students, post-doctoral fellows, research assistants, associates and technicians.

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

Eligible sources of matching funds include:

- cash contributions from your Department or Faculty;
- university scholarships to undergraduates, graduate students and post-doctoral fellows;
- private sector cash contributions;
- public sector cash contributions that are not among the list of ineligible sources of matching funds.

For more information, see Ineligible partner contributions at https://www.ontario.ca/page/early-researcher-awards-program-guidelines#section-4

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

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


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

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


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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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


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

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

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

SickKids Foundation, National Grants: New Investigator Research Grants

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

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

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

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

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

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

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

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

Applications will be considered for:

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

[https://www.braintumour.ca/3845/grant-outline--guidelines](https://www.braintumour.ca/3845/grant-outline--guidelines)

**Value:**
maximum $25,000 over 2 years

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

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

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Scottish Rite Charitable Foundation: Major Research Grants

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

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

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

Research into other forms of intellectual impairment may be considered.

[http://www.srcf.ca/research-grants/](http://www.srcf.ca/research-grants/)

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

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

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

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

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

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

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

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

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

**Contact:**
Contact international@mitacs.ca for more information.

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

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

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

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

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

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

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

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

Crohn’s & Colitis Foundation: Grants

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

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


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

http://www.crohnscolitisfoundation.org/science-and-professionals/research/grants-fellowships/senior-research-awards.html

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

Application process:

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

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

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

Spencer has announced two funding opportunities:

1) *Small Research Grants*, the objective: to support academic work that will contribute to the improvement of education, broadly conceived.
**Areas of Inquiry:** The Relation between Education and Social Opportunity; Teaching, Learning and Instructional Resources; Organizational Learning in Schools, School Systems and Higher Education Systems; Purposes and Values of Education; Field-Initiated.

http://www.spencer.org/small-research-grants-program-statement

2) **The New Civics**, the objective: to support proposals that ask critical questions, specifically, how education can more effectively contribute to the civic development of young people. The New Civics has supported projects that 1) deepen the understanding of educational and other influences on civic action, 2) attend to social inequalities in civic education, and 3) show potential to shape future research and practice in these fields.

http://www.spencer.org/new-civics-program-statement

**Value:**

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

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

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

**Bill & Melinda Gates Foundation, Global Grand Challenges: Grand Challenges Explorations (Round 21)**

The Bill & Melinda Gates Foundation is inviting proposals for the next round of **Grand Challenges Explorations** for the following three challenges:

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


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

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

- Novel approaches for improving process efficiency that will lead to improved quality of service delivery.

3) **Tools and Technologies for Broad-Scale Disease Surveillance of Crop Plants in Low-Income Countries**, the focus: All proposals must:

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


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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Investigators are invited to propose innovative and creative solutions that uses new knowledge to positively engage young people in one or more goals, in both scale and depth. 

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

. Reinventing the recruitment process
. Transforming training and professional development
. Improving resources that support high-quality learning
. New forms of management
. Any other area that drastically improves the performance of teachers and school leaders in line with the new competency-based curriculum of the future. 

https://grandchallenges.org/grant-opportunities

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

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

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

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

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

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


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

**Application process:**
The NRCan registration deadline is **now**.

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

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

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

CANARIE funds and promotes reusable research software tools and national research data management initiatives to accelerate discovery, provides identity management services to the academic community, and offers advanced networking and cloud resources to boost commercialization in Canada’s technology sector.
CANARIE is hosting the first annual Canadian Research Software Conference to further build a cohesive Canadian community of research software developers, that advance the use and reuse of powerful software tools.

Academic researchers will learn, collaborate, exchange ideas, and discuss common issues with a goal of ensuring maximum impact of public funds for research, through the application of state-of-the-art research software.


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

ALS Canada: ALS Canada Project Grant Program 2018

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

Examples include, but are not limited to:

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

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

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

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

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

John Templeton Foundation: Grants

The objective of the John Templeton Foundation is to support the power of the sciences and other discovery-oriented disciplines to advance our understanding of the Big Questions.
review *Vision, Mission & Impact* at https://www.templeton.org/about/vision-mission-impact

Core Funding Areas:

- Science & The Big Questions
- Exceptional Cognitive Talent & Genius
- Genetics
- Voluntary Family Planning;
- Character Development
- Individual Freedom & Free Markets

review *Funding Areas* at https://www.templeton.org/funding-areas

The Foundation has announced two grant types: Small; Large

**Value:**

*Small Grants*: requests for $234,800 USD, or less

*Large Grants*: requests for more than $234,800 USD

**Application process:**

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

**ROADS contact:**

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

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

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

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

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

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

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

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

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

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

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

**ROADS contact:**
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**Shastri Indo-Canadian Institute (SICI): Grants**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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