Week of November 3, 2017

Dear colleagues,

Please find below this week’s updates:

- The 11th Arnold L. Johnson Lecture will be held on November 16th from 8 – 9AM in the PHRI Auditorium. It will be followed by a Research Seminar from 11AM – 12PM, also in the PHRI auditorium. Our guest speaker this year is Professor Sir Rory Collins. His short biography is attached. Please also see the attached poster for more information on the topics of both presentations.

To register for the video conference for the main lecture (8 – 9AM), please forward this link to your video conference coordinator:
https://schedule.otn.ca/tsm/portal/nonclinical/details.do?request.requestId=75598763

To register for the video conference for the research seminar (11AM – 12PM), please forward this link to your video conference coordinator:
https://schedule.otn.ca/tsm/portal/nonclinical/details.do?request.requestId=75591262

For those that would like to view the video conference from their computer (live webcast or archive) click here http://webcast.otn.ca/

If you have any questions, please contact Sveta at sveta.withrow@phri.ca

- The Faculty of Health Sciences in conjunction with Bloom Burton & Co invites you to attend a presentation on Our Duty to Commercialize Science. This event will take place on Thursday, November 23 at 1:00 pm in MDCL 2232.

- The CIHR is currently accepting applications for the Crohn’s and Colitis Canada 2018 Grants-in-Aid Research Competition. Further details can be found here.

- Please find attached the November 3 Roads Funding Opportunities Bulletin.

- Please find attached the November 3 HRS Funding Opportunities Bulletin.

- Please join us at Grand Rounds next week on November 9, 2017 at 8:00 am. Medical Grand Rounds-HHS will be hosting Dr. Catherine Demers in the HGH Theatre Auditorium who will be speaking on Heart Failure and Self-Care, can we do better? Medical Grand Rounds-SJH will be hosting Dr. Darin Treleaven in the SJH Miller Amphitheatre and the topic will be forthcoming. Further information on these events, and many others taking place in the Department, can be found in the ETA Calendar.
New Faculty Highlight

Welcome to Dr. Noel Chan who joined the Department of Medicine, and the Division of Hematology and Thromboembolism, in January 2017 as an Assistant Professor. Dr. Chan’s clinical practice includes consultative hematology and thrombosis. His research interests include optimizing the benefit of antithrombotic agents by improving their efficacy and safety. In particular, his research focuses on understanding the determinants of variable response to antiplatelet agents and anticoagulants to optimize health outcome.

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

Mark A. Crowther
Professor and Chair, Department of Medicine
The 11th Arnold L. Johnson Memorial Lectureship

Professor Sir Rory Collins
Head of Nuffield Department of Population Health
BHF Professor of Medicine and Epidemiology, University of Oxford
Fellow of the Academy of Medical Sciences
Fellow of the Royal Society

Thursday, November 16, 2017

- 8:00AM - 9:00AM
The Arnold L. Johnson Memorial Lecture
Title: Randomization versus Observation: statin therapy in the real world
David Braley Cardiac Vascular and Stroke Research Institute (DBCVSRI) Auditorium-
Main Floor

- 11:00AM - 12:00PM
Research Seminar Lecture
Title: Evolve or die: the urgent need to streamline randomized trials
DBCVSRI Auditorium-
Main Floor
Professor Sir Rory Collins FRS FMedSci

Professor Collins is a cardiovascular epidemiologist and clinical trialist. He studied Medicine at St Thomas’s Hospital Medical School in London, and Statistics at George Washington University in Washington DC and at the University of Oxford.

He came to Oxford in 1981 to work with Richard Peto, Peter Sleight and Salim Yusuf running the ISIS “mega-trials” of the emergency treatment for heart attacks. Those trials showed that clot-dissolving and clot-preventing treatment could more than halve mortality, and these treatments rapidly became part of routine care. In addition, the ISIS trials encouraged the use of much larger trials than had been customary in order to obtain reliable evidence about the effects of cardiovascular treatments.

Since the early 1990s, Professor Collins has been conducting large randomized trials of the effects of modifying blood levels of cholesterol. Those trials have contributed to showing that lowering LDL-cholesterol intensively with statin therapy safely reduces the risk of heart attacks and strokes among a very wide range of individuals. As a consequence, statins are used extensively worldwide.

He became Principal Investigator of the UK Biobank study in September 2005. Involving 500,000 participants, it is the largest deeply characterized prospective epidemiological study of disease in the world, and is being made available for any type of health-related research by researchers worldwide.

In 2013, Professor Collins set up the Nuffield Department of Population Health at Oxford University, which he leads. He was elected to the Fellowship of the UK Academy of Medical Science in 2004 and of the Royal Society in 2015, and was knighted by the Queen for services to Science in 2011.
Our Duty to Commercialize Science

Content
Defining commercialization and its importance in academia

Brian Bloom shares the presentation he delivered on October 14, 2017 to celebrate the 50th anniversary of the McMaster Biochemistry and Biomedical Sciences Department

Speaker
Brian Bloom
Co-founder, Chairman and CEO
Bloom Burton & Co.
McMaster Alumnus ‘98
Dept. of Biochemistry and Biomedical Sciences

📅 Thursday, November 23, 2017
1:00 - 2:00pm
📍 MDCL 2232

Bloom Burton & Co.
Canada’s leading healthcare and biotechnology investor firm, retained by the Faculty of Health Sciences at McMaster University to advise on accelerating the commercialization of its research.
In this issue:

- **Canadian Frailty Network**: Canadian Frailty Priority Setting Partnership, Research Webinar: November 8, 2017

- **Canadian Institute for Advanced Research (CIFAR)**: Global Call for Ideas, Second Call – Webinar November 9, 13, 2017; Letter of Intent deadline January 21, 2018

- **McMaster University, Faculty of Engineering, McMaster.AI**: Workshop – November 29, 2017

- **Department of Defense, Congressionally Directed Medical Research Programs**: FY17/18 Psychological Health/Traumatic Brain Injury Research Program (PH/TBIRP): Applied Behavior Analysis Clinical Study Award – Pre-application deadline November 30, 2017; Application deadline December 14, 2017

- **Québec Consortium for Drug Discovery (CQDM)**: Quantum Leap – Phase 1 Application deadline December 8, 2017

- **Department of Defense, Congressionally Directed Medical Research Programs**: FY17 Kidney Cancer Research Program (KCRP): Awards (Grants) – Pre-application deadline December 20, 2017; Application deadline January 4, 2018

- **Department of Defense, Congressionally Directed Medical Research Programs**: FY17 Lupus Research Program (LRP): Awards (Grants) – Pre-application deadline December 21, 2017; Application deadline January 4, 2018

- **The Silverstein Foundation, Request for Proposals**: Cell Therapies for Parkinson’s Disease with GBA – Application deadline December 31, 2017

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

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

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

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

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

Previously announced:

- **Social Sciences and Humanities Research Council (SSHRC): Partnership Engage Grants** – Notify ROADS of Intent to Apply by October 24, 2017; Application deadline December 15, 2017
- **Marine Environmental Observation, Prediction and Response (MEOPAR) Network in partnership with exactEarth Ltd., Clear Seas Centre for Responsible Marine Shipping, Emergency Management British Columbia, Ocean Networks Canada, Call for Proposals: September 2017 – Application deadline November 8, 2017
- **McMaster Institute for Research on Aging, Labarge Centre for Mobility in Aging, Technology + Design for Optimal Aging: A Networking Event** – November 9, 2017
- **Gerda Henkel Foundation: General Research Grants** – Application deadline November 17, 2017
- **Department of Defense, Congressionally Directed Medical Research Programs, FY17-18 Defense Medical Research and Development Program (DMRDP): Award (Grant)** – Pre-application deadline November 20, 2017; Application deadline February 5, 2018
- **Department of Defense, Congressionally Directed Medical Research Programs: FY17 Breast Cancer Research Program (BCRP) II** – November 21, 2017
- **Grain Farmers of Ontario: Grants** – Application deadline November 24, 2017
- **Simons Foundation Autism Research Initiative (SFARI): 2018 Pilot and Research Awards** – Letter of Intent deadline December 1, 2017
- **Natural Sciences and Engineering Research Council of Canada (NSERC), Belmont Forum-BiodivERsA: 2017-2018 Joint Call, Scenarios of biodiversity and ecosystem services** – Pre-registration deadline December 1, 2017; Application deadline March 9, 2018
- **Spencer (Spencer Foundation): Conference Grants for Advancing Education Research** – Application deadline December 1, 2017
- **Wenner-Gren Foundation: Conference and Workshop Grants** – Application deadline December 1, 2017
- **Weston Brain Institute, Rapid Response: Canada 2018, Parkinson’s & Related Diseases – Round 1** – Letter of Intent deadline December 4, 2017
- **Weston Brain Institute, Transformational Research: Canada 2018, Neurodegenerative Diseases of Aging** – Letter of Intent deadline December 7, 2017
- **Ontario Brain Institute: Event Funding Program** – Application deadline December 15, 2017
- **Tinker Foundation Incorporated: Institutional Grants - Letter of Inquiry deadline January 29, 2018; Application deadline March 1, 2018**

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

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

- **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.**

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

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**Canadian Frailty Network (CFN): Canadian Frailty Priority Setting Partnership, Research Webinar**

The purpose of the *Canadian Frailty Priority Setting Partnership* is to involve individuals with direct experience of frailty in older adults, either personal or professional, in defining priorities for research. The priorities will be shared with researchers and research funding organizations, to ensure the research and proposed priority areas are moved forward.

**Webinar**

**November 8, 2017,** 12:00 noon – 1:00pm (ET)

Register at: [https://register.gotowebinar.com/register/1937417939599845633](https://register.gotowebinar.com/register/1937417939599845633)

To view previous webinars, or to register for upcoming webinars: [http://www.cfn-nce.ca/news-and-events-overview/webinars/](http://www.cfn-nce.ca/news-and-events-overview/webinars/)

(review *About CFN* at [http://www.cfn-nce.ca/about-us/](http://www.cfn-nce.ca/about-us/))

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**Canadian Institute for Advanced Research (CIFAR): Global Call for Ideas, Second Call**

The objective of the *Global Call for Ideas* is to invite the global research community to 1) maintain research interactions and engagement through interdisciplinary research networks, 2) shape new perspectives, 3) spark ground-breaking ideas and take intellectual risks, 4) submit proposals for new programs that address complex, fundamental questions of importance to the world.
Ideas must be novel, bold and potentially transformative to warrant the creation of a long-term, multi-disciplinary and collaborative research program.

Webinar

CIFAR will host an interactive webinar to introduce the Institute and the Global Call.

Register for the session most convenient:

**November 9, 2017**, 8:00-9:00am (ET)
[https://cifar.zoom.us/webinar/register/WN_2ax7zy5jSvCLYV1EE9cxKg](https://cifar.zoom.us/webinar/register/WN_2ax7zy5jSvCLYV1EE9cxKg)

**November 13, 2017**, 4:00-5:00pm (ET)

[https://www.cifar.ca/assets/cifar-global-call-for-ideas/](https://www.cifar.ca/assets/cifar-global-call-for-ideas/)

Value:

CIFAR supports research in two ways:

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

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

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

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

Application process:

The CIFAR letter of intent deadline is **January 21, 2018**.

ROADS contact:

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

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**McMaster University, Faculty of Engineering, McMaster.AI: Workshop**

The McMaster Faculty of Engineering is hosting an *Artificial Intelligence (AI) Workshop* to discuss the current and future impact of AI as it relates to society, industry, academia, and policy-making. The full-day workshop will feature invited speakers and panelists from McMaster University, Queen’s University, and members of the Ontario private sector. A reception and research showcase will follow.

**Event**

**November 29, 2017**, 9:00am-5:00pm
Reception: 5:00-6:30pm
McMaster Innovation Park, Conference Room BCD
Department of Defense (DoD), Congressionally Directed Medical Research Programs: FY17/18 Psychological Health/Traumatic Brain Injury Research Program (PH/TBIRP): Applied Behavior Analysis Clinical Study Award

The objective of the PH/TBIRP, Applied Behavior Analysis (ABA) Clinical Study Award is to support a prospective clinical study, that will evaluate the effectiveness of the tiered delivery model of ABA for individuals diagnosed with Autism Spectrum Disorder (ASD).

It is anticipated that findings from the study will determine whether those receiving ABA services demonstrate improvements in cognitive and adaptive functioning.

The proposed clinical study should address the following list of variables (not all-inclusive):

1) ASD symptom severity;
2) Cognitive and adaptive functioning;
3) ABA services received (to include but not limited to frequency, intensity, dose of ABA services);
4) Services other than ABA utilized; and
5) other demographic variables (to include but not limited to age, sex, family characteristics, TRICARE beneficiary, military dependent, etc.).

ABA services are currently provided to TRICARE (i.e., Military Health System) beneficiaries through a project known as Comprehensive Autism Care Demonstration. (review https://www.federalregister.gov/documents/2014/06/16/2014-14023/comprehensive-autism-care-demonstration)


Value:
maximum $7 million over 4 years

Application process:
The DoD pre-application deadline is November 30, 2017. The application deadline is December 14, 2017.

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

Québec Consortium for Drug Discovery (CQDM): Quantum Leap

The objective of the Quantum Leap program is to support highly innovative technologies, tools and platforms that 1) accelerate or facilitate the drug discovery/development process, 2) prevent, treat or cure diseases pursued by the biopharmaceutical industry.
The program aims to bring disruptive technologies or platforms to a point where services and/or products generated by the platforms could be commercialized, or further developed for use by the industry and/or the scientific community. The program strongly encourages public-private partnerships.

The research agenda extends to all scientific and technical fields related to biopharmaceutical R&D, and all disciplines, to enhance and improve biopharmaceutical research productivity.


Value:
$500,000 to $2,000,000 for a minimum 1 year, maximum 3 years

Application process:
The CQDM phase 1 application deadline is December 8, 2017.

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

Department of Defense (DoD), Congressionally Directed Medical Research Programs: FY17 Kidney Cancer Research Program (KCRP): Awards (Grants)

The DoD KCRP has recently announced the following funding opportunities:

1) **Consortium Development Award**: The award is a clinical trial infrastructure mechanism that provides support to 1) create a Coordinating Center, 2) establish collaborations with clinicians and scientists at potential Clinical Trial Sites, for the development of a multi-institutional kidney clinical effort, relevant to active duty Service members, Veterans, other military beneficiaries, and the American public.

The consortium must be a geographically dispersed coalition including a Coordinating Center and at least three Clinical Trial Sites.

Clinical infrastructure development includes, but is not limited to:
- establishing appropriate collaborations;
- outlining an administrative management plan;
- developing research management and communication plans;
- devising and implementing an intellectual property plan.

2) **Idea Development Award**: The award supports innovative ideas and high-impact approaches to eliminate kidney cancer. The research project must include a well-formulated, testable hypothesis based on strong scientific rationale and a well-developed and articulated research approach, relevant to active duty Service members, Veterans, other military beneficiaries, and the American public.


3) **Concept Award**: The award supports 1) highly innovative, untested, potentially ground-breaking, novel concepts in kidney cancer, 2) high-risk studies and serendipitous observations that have the potential to reveal entirely new avenues for investigation, relevant to active duty Service members, Veterans, other military
beneficiaries, and the American public.
(review http://cdmrp.army.mil/funding/pa/FY17-KCRP-CA.pdf)

4) **Translational Research Partnership Award**: The award supports partnerships between clinicians and research scientists, that will accelerate the movement of promising ideas in kidney cancer into clinical applications, relevant to active duty Service members, Veterans, other military beneficiaries, and the American public. Observations that drive a research idea may be derived from a laboratory discovery, population-based studies, or a clinician’s firsthand knowledge of patients and anecdotal data.
(review http://cdmrp.army.mil/funding/pa/FY17-KCRP-TRPA.pdf)

http://cdmrp.army.mil/funding/kcrp

**Value:**
- **Consortium Development**: maximum $1 million over 2 years
- **Idea Development**: maximum $400,000 over 3 years
- **Concept**: maximum $75,000 over 1 year
- **Translational Research Partnership**: maximum $600,000 over 3 years

**Application process:**
The DoD pre-application deadline is **December 20, 2017**. The application deadline is **January 4, 2018**.

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

**Department of Defense (DoD), Congressionally Directed Medical Research Programs:**
**FY17 Lupus Research Program (LRP): Awards (Grants)**

The DoD **LRP** has recently announced the following funding opportunities:

1) **Concept Award**: The award supports the exploration of 1) highly innovative new concepts or untested theories that address important problems relevant to lupus, and 2) high-risk studies that have the potential to reveal new avenues for investigation. The research completed through a Concept Award may generate sufficient preliminary data to enable the Principal Investigator to prepare an application for future research.
(review **Focus Areas**, page 3 at http://cdmrp.army.mil/funding/pa/FY17-LRP-CA.pdf)

2) **Impact Award**: The award supports the full spectrum of research projects or ideas that specifically focus on scientific and clinical lupus issues, which if successfully addressed, have the potential to make a major impact in lupus research. Applications should include a well-formulated, testable hypothesis based on strong scientific rationale. Inclusion of preliminary data is encouraged.
(review **Focus Areas**, page 3 at http://cdmrp.army.mil/funding/pa/FY17-LRP-IA.pdf)

http://cdmrp.army.mil/funding/lrp

**Value:**
- **Concept**: maximum $150,000 over 1 year
- **Impact**: maximum $525,000 over 3 years
Application process:
The DoD pre-application deadline is December 21, 2017. The application deadline is January 4, 2018.

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

The Silverstein Foundation, Request for Proposals: Cell Therapies for Parkinson’s Disease with GBA

The objective of the Request for Proposals is to support research that will study and develop cell transplant therapies for Parkinson’s Disease.

Specifically, the Foundation is seeking proposal applications for cell transplant therapies with disease modifying potential and/or the potential to significantly improve symptomatic treatment, beyond standard of care, in glucocerebrosidase (GBA) gene-related Parkinson’s Disease. (review Special Eligibility Criteria at https://silversteinfoundation.org/rfp/)

Value:
Applicants are required to submit a budget of both direct and indirect costs. Academic institutions may request up to 25% of direct costs.

Application process:
The Silverstein Foundation application deadline is December 31, 2017.

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

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

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

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

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

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

Value:
$12,000 USD
Application process:
The WWDF application deadline is **February 12, 2018**.

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

**Weston Brain Institute, 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

### Previously announced:

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


Both Programs 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.

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


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

Application process:
Notify ROADS of intent to apply by October 24, 2017. The initial draft of the application and letters of support are due to ROADS by November 23, 2017. The final draft and a completed and signed Application Approval Form are due to ROADS by December 7, 2017. The SSHRC application deadline is December 15, 2017. (also March 15, 2018 and June 15, 2018)

ROADS contact:
Pamela McIntyre, Senior Advisor, at mcintyp@mcmaster.ca or extension 23713

Marine Environmental Observation, Prediction and Response (MEOPAR) Network in partnership with exactEarth Ltd., Clear Seas Centre for Responsible Marine Shipping, Emergency Management British Columbia (EMBC), Ocean Networks Canada, Call for Proposals: September 2017

The MEOPAR Network is a national network of academic researchers, students, government scientists, and partners in the private, NGO and community sectors working together to reduce Canada’s vulnerability to marine risk.

The objective of the Call for Proposals is to 1) build multi-sectoral and interdisciplinary partnerships; 2) accelerate research from discovery (academic) to impact (end-users) (MEOPAR defines research impact as the effect on, change, or benefit to the economy, society, culture, public policy, government operations, the environment or quality of life), 3) accomplish knowledge mobilization activities.

There are four modules under this Call:

Module 1: Studying the use of automatic identification system transceivers on small vessels (Partner: exactEarth Ltd);

Module 2: Commercial shipping issues in Canada’s North (Partner: ClearSeas)

Module 3: Scientific modelling and decision-making frameworks for port infrastructure and marine transportation on the British Columbia, Washington and Alaska coastlines (Partner: EMBC)

Module 4: Open call for proposals that address one or more of the areas of MEOPAR’s Strategic Plan (review http://meopar.ca/about-meopar стратегического плана).
All proposals must demonstrate end-user(s)/partner engagement in the project (beyond the Call/module partner).

MEOPAR’s research plan is organized into two themes, Theme 1: Environmental Change and Theme 2: Human Activity and is focused on providing research solutions to four Canadian socio-economic challenges:

a) the data coordination gap in ocean observation;
b) predictive capacity and environmental forecasts, particularly in the Arctic, in support of the Year of Polar Prediction;
c) knowledge-based and forecasting solutions to increase coastal community resilience;
d) technology and data solutions that minimize risk and maximize efficiency of marine industry operations, with emphasis on coastal and northern shipping.

http://meopar.ca/research/current-calls-for-proposals

Value:
Module 1: maximum $125,000 over 2 years
Module 2: maximum $500,000 over 2 years
Module 3: maximum $1 million over 2.5 years
Module 4: maximum $2.2 million over 2-3 years

Applicants are required to complete a detailed budget. Financial support from partners (in-kind and/or cash) will be viewed as a major asset to proposals, however, this is not a requirement for application.

Successful projects will receive funds from both MEOPAR and the Call/module partner.

Application process:
The MEOPAR Network application deadline is November 8, 2017.

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

McMaster Institute for Research on Aging (MIRA), Labarge Centre for Mobility in Aging, Technology + Design for Optimal Aging: A Networking Event

The Labarge Centre for Mobility in Aging, within MIRA, has partnered with the Faculties of Engineering and Health Sciences to present a networking and knowledge sharing event for researchers, funders, and industry partners.

This event will provide opportunities to hear about ongoing projects at McMaster and to network with other collaborative thinkers, who aim to transform the experience of aging through technological innovation.

McMaster researchers in all Faculties are invited to bring their perspectives on technology and design for optimal aging.

http://mira.mcmaster.ca/
Event:
**November 9, 2017, 3:30-6:30pm at the McMaster University Club**

Register at: [https://docs.google.com/forms/d/e/1FAIpQLSdcXObQJoVu3VxdDwV6z3kkQfiRtQijBTej4QjkcB35DSg/viewform](https://docs.google.com/forms/d/e/1FAIpQLSdcXObQJoVu3VxdDwV6z3kkQfiRtQijBTej4QjkcB35DSg/viewform)

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**Gerda Henkel Foundation: General Research Grants**

The objective of the *General Research Grant* is to support the historical humanities, in particular, to support research projects in the fields of Archaeology, Art History, Historical Islamic Studies, History, History of Law, History of Science, Prehistory and Early History.

The Gerda Henkel Foundation has recently announced the following funding opportunities:

1) **Research Projects** (review [https://www.gerda-henkel-stiftung.de/application_research-projects](https://www.gerda-henkel-stiftung.de/application_research-projects));
2) **Research Scholarships** (review [https://www.gerda-henkel-stiftung.de/application_research-scholarships](https://www.gerda-henkel-stiftung.de/application_research-scholarships)).

[https://www.gerda-henkel-stiftung.de/research_grants](https://www.gerda-henkel-stiftung.de/research_grants)

**Value:**

**Research Projects:** Applicants are requested to submit a detailed cost calculation (e.g., personnel, travel, materials and/or other costs) for a maximum of 12 months.

**Research Scholarships:** Applicants are requested to submit a detailed cost calculation (e.g., travel, lodging, material costs) for 1 to 24 months.

**Application process:**

The Gerda Henkel Foundation application deadline is **November 17, 2017**.

**ROADS contact:**

Pamela McIntyre, Senior Advisor, at mcintyp@mcmaster.ca or extension 23713

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**Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY17-18 Defense Medical Research and Development Program (DMRDP): Award (Grant)**

The DoD has recently announced the following DMRDP funding opportunity:

*FY17 Toward A Next-Generation Trauma Care Capability: Foundational Research for Autonomous, Unmanned, and Robotics Development of Medical Technologies (FORwARD) Award*, the objective: 1) to support basic research to increase knowledge/understanding through discovery and hypothesis generation, 2) to provide basic fundamental knowledge that will inform and enable the future development of novel autonomous and/or robotic medical systems to care for wounded soldiers/patients through breakthrough, exploratory research. (review *Topic Areas, Autonomous and Unmanned Medical Capability* and *Medical Robotics Research*, page 4 at [http://cdmrp.army.mil/funding/pa/FY17-DMRDP-MSISRP-FOR.pdf](http://cdmrp.army.mil/funding/pa/FY17-DMRDP-MSISRP-FOR.pdf))

Value:
maximum $1.3 million over 2 years

Application process:
The DoD pre-application deadline is November 20, 2017. The application deadline is February 5, 2018.

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

Department of Defense (DoD): Congressionally Directed Medical Research Programs, FY17 Breast Cancer Research Program (BCRP) II: Awards (Grants)

The DoD has recently announced the following BCRP funding opportunities:

1) **Breakthrough Award Levels 1 and 2 II**, the objective: to support promising research that has high potential to lead to or make breakthroughs in breast cancer. There are two funding levels:

   **Funding Level 1**: for innovative, high-risk/high-reward research that is in the earliest stages of idea development. The research must have the potential to yield new avenues of investigation. Proof of concept. No preliminary data required.

   **Funding Level 2**: for research that is already supported by preliminary data and has potential to make significant advancements toward clinical translation.


   **Value**:
   - **Funding Level 1**: $375,000, with a Partnering Principal Investigator (PI) Option: $600,000 over 3 years;
   - **Funding Level 2**: $750,000, with a Partnering Principal Investigator (PI) Option: $1 million over 3 years

   **Application Process**: The DoD pre-application deadline is November 21, 2017. The application deadline is December 6, 2017.

2) **Breakthrough Fellowship Award II**, the objective: to support recent doctoral or medical graduates in pursuit of innovative, high-impact breast cancer research during their postdoctoral fellowship. Each individual must be an exceptionally talented researcher and must 1) exhibit a strong desire to pursue a career in breast cancer research, 2) provide clear evidence for a researcher development plan, 3) demonstrate the proposed research has high potential to lead to or make breakthroughs in breast cancer. A mentor is required.

   (review *Overarching Challenges*, pages 3-4 at http://cdmrp.army.mil/funding/pa/FY17-BCRP-BFA.pdf)

   **Value**: maximum $300,000 over 3 years

   **Application process**: The DoD pre-application deadline is November 21, 2017. The application deadline is December 6, 2017. The confidential letters of recommendation deadline is December 11, 2017.

3) **Era of Hope Scholar Award II**, the objective: to support individuals early in their careers who have demonstrated significant potential to effect meaningful change in breast cancer. These individuals should 1) be exceptionally talented scientists who have shown they are the “best and brightest” in their field(s) through extraordinary creativity, vision, innovation and productivity, 2) have demonstrated experience in forming effective partnerships and collaborations, 3) exhibit strong potential for future leadership in breast cancer

   **Value**: maximum $1.3 million over 2 years
research. (review Eligibility, Principal Investigator, page 6 at http://cdmrp.army.mil/funding/pa/FY17-BCRP-EOH.pdf)
(review Overarching Challenges, pages 3-4 at http://cdmrp.army.mil/funding/pa/FY17-BCRP-EOH.pdf)

Value: maximum $2.5 million over 4 years

Application process: The DoD pre-application deadline is November 21, 2017. The application deadline is December 6, 2017. The confidential letters of recommendation deadline is December 11, 2017.

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

Grain Farmers of Ontario: Grants

The Grain Farmers of Ontario has recently announced the following funding opportunity:

2018 Open Call for Research Proposals
Research, the objective: to support barley, corn, oat, soybean and wheat proposals under four priority areas: 1) Agronomy & Production; 2) Weed, Disease & Insect Pests; 3) Breeding & Genetics; 4) Crop Utilization & Crop Quality.
High priority areas: Pesticide resistance management and coping with breakdown of resistance; Management of grain corn ear mould incidence and reducing the occurrence of vomitoxin (DON).
http://www.gfo.ca/Research/Research-Programs

Value:
Research: applicants are required to complete a budget template

Application process:
The Grain Farmers of Ontario application deadline for Research is November 24, 2017.

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

Simons Foundation Autism Research Initiative (SFARI): 2018 Pilot and Research Awards

The SFARI has recently announced the following Awards to provide funding for investigators conducting bold, creative and rigorous research into the underlying biology, causes and treatment of autism spectrum disorders.

1) Pilot Awards, the objective: to support small-scale projects or early-stage experiments, that will build on preliminary data or a prior track record, and lead to competitive applications for funding by SFARI or other organizations. Investigators new to the field of autism are encouraged to apply.

2) Research Awards, the objective: to support experienced investigators with compelling, high-impact research on an experimental hypothesis for which preliminary data have already been gathered.

(review SFARI’s 2018 funding priorities at https://www.sfari.org/2017/10/02/sfaris-2018-funding-priorities/)
Value:

**Pilot:** maximum $330,000 including indirect costs for 2 years

**Research:** maximum $975,000 including indirect costs for 3 years

Application process:
The SFARI letter of intent deadline is **December 1, 2017**.

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

Natural Sciences and Engineering Research Council of Canada (NSERC), Belmont Forum-BiodivERsA: 2017-2018 Joint Call, Scenarios of biodiversity and ecosystem services

NSERC is participating in the Belmont Forum and BiodivERsA joint call on the following theme: *Scenarios of biodiversity and ecosystem services.*

The call will address the two following major (non-exclusive) priorities:

1) Development and application of scenarios of biodiversity and ecosystem services across spatial scales of relevance to multiple types of decisions;

2) Consideration of multiple dimensions of biodiversity and ecosystem services in biodiversity scenarios.

The call aims at supporting proposals that explicitly address a scenario dimension, taking into account the following definition of scenarios: "**Scenarios of biodiversity and ecosystem services are the outputs of the combination of scenarios of indirect drivers and direct drivers — such as land use change, invasive alien species, overexploitation, climate change or pollution — and models of impacts of these drivers on biodiversity and ecosystem services.**"

Twenty-five funding organizations from 23 countries are joining this call: Argentina, Austria, Belgium, Brazil (State of Sao Paulo only), Bulgaria, Canada, Estonia, Finland, France, Germany, Ireland, Ivory Coast, Lithuania, The Netherlands, Norway, Poland, Romania, Slovakia, Spain, Sweden, Switzerland, Turkey, United States of America.

Scientific teams are invited to form international consortia comprising research groups from at least three countries participating in the call.
Value:  
The approximate global budget for this call is more than 25 million euro ($37 million CDN). NSERC’s contribution will be up to $300,000 per year for 3 years, with a maximum of $75,000 per year per project.

Application process:  
The mandatory pre-registration deadline is **December 1, 2017**, 17:00 CET (local time in Brussels). The application deadline is **March 9, 2018**, 17:00 CET (local time in Brussels).

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

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**Spencer (Spencer Foundation): Conference Grants for Advancing Education Research**

The objective of the *Conference Grant* program is to 1) bring together researchers whose substantive knowledge, theoretical insight, and methodological expertise can be assembled in ways that build upon and advance best practices in education research, 2) offer a starting point for new research, 3) provide support to scholars for small research conferences and focused symposia.

The Foundation rotates the area of focus periodically to generate fresh ideas and perspectives on pressing educational challenges. The current focus is **Creating and Sustaining Equitable Educational Spaces**.

The Foundation is seeking proposals that will lead to robust research agendas, that support the advancement of learners who face structural and systemic barriers in their pursuit of educational opportunities.


Value:  
maximum $50,000

Application process:  
The Spencer Foundation application deadline is **December 1, 2017**.

ROADS contact:  
Pamela McIntyre, Senior Advisor, at **mcintyp@mcmaster.ca** or extension 23713

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**Wenner-Gren Foundation: Conference and Workshop Grants**

The objective of the *Conference* and *Workshop Grant* is to 1) provide support to events that foster the creation of an international community of research scholars in anthropology, 2) advance significant and innovative anthropological research.
Conferences are defined as public events that are comprised primarily of oral and poster presentations to a larger audience of anthropologists. Priority is given to major conferences sponsored by large international anthropological organizations. The majority of the funds is expected to be used towards expenses for international scholars, who are making presentations at the conference and would not otherwise be able to attend.

Workshops are defined as working meetings that focus on developing and debating topical issues in theoretical anthropology. Workshops involve a small group of scholars who meet for a sufficient period of time to deal intensively with the topic. Priority is given to those workshops that devote the majority of time to discussion and debate, rather than to the presentation of papers. It is expected that workshops will result in a publication.

http://www.wennergren.org/programs/conference-and-workshop-grants

Value:
maximum $20,000

Application process:
The Wenner-Gren Foundation application deadline is December 1, 2017. The December 2017 deadline for applications is for conferences and workshops to be held no earlier than July 2018.

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

Weston Brain Institute, Rapid Response: Canada 2018, Parkinson’s & Related Diseases – Round 1

The objective of this Call is to provide seed funding for novel, high-risk, high-reward translational research to accelerate the development of safe and effective treatments for neurodegenerative diseases of aging.

Parkinson’s & Related Diseases include: Parkinson’s disease; Progressive supranuclear palsy; Dementia with Lewy bodies; Multiple system atrophy; prodromes; Vascular contributions.

All projects must involve the development of a therapeutic, and/or a tool to help 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: PD-related diseases; Alzheimer disease (AD) -related diseases (to launch November 2017).

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

Program Information Webinar
The Weston Brain Institute hosted a Program Information Webinar on October 10, 2017. (registration https://register.gotowebinar.com/register/4497947423299780098)
**Value:**
maximum $200,000 over a maximum 18 months

**Application process:**
The Weston Brain Institute letter of intent deadline is **December 4, 2017**.

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

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**Weston Brain Institute, Transformational Research: Canada 2018, Neurodegenerative Diseases of Aging**

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


**Program Information Webinar**
The Institute held an online Program Information Webinar on October 25, 2017, at 1:00pm EDT. The session provided comprehensive information on the application process and an opportunity for open questions.
Registration: [https://register.gotowebinar.com/register/5977228168556194819](https://register.gotowebinar.com/register/5977228168556194819)

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

**Application process:**
The Weston Brain Institute letter of intent deadline is **December 7, 2017**.

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

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**Ontario Brain Institute (OBI): Event Funding Program**

The objective of the **Event Funding Program** is to support initiatives that are compatible with the vision, goals and objectives of the OBI (review **About OBI: Our Work** at [http://braininstitute.ca/about-obi/our-work](http://braininstitute.ca/about-obi/our-work)).

An event may:
1) stimulate breakthroughs in brain research;
2) encourage translation of new discoveries to clinical practice;
3) facilitate connections among neurological charities, neuroscience researchers, and people living with brain disorders;
4) assist in the education and training of neuroscience researchers;
5) raise public awareness of brain disorders;
6) raise Ontario’s international profile in brain research and innovation.

http://braininstitute.ca/programs-opportunities/event-funding-program

**Value:**
maximum $5,000

**Application process:**
The OB application deadline is **December 15, 2017**.

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

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**Tinker Foundation Incorporated: Institutional Grants**

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

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

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

Projects must have a strong public policy component, offer innovative solutions to problems facing these regions, and incorporate new mechanisms for addressing these programmatic areas. Activities may include but are not restricted to research projects, workshops and conferences.

The Foundation encourages collaboration among organizations in the United States and Latin America.

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

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

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

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

**ROADS contact:**
Leanna Fong, Senior Advisor, at fongl@mcmaster.ca or extension 21583
**Graham Foundation: Grants to Organizations**

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

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

The Graham Foundation offers *Production and Presentation Grants* to organizations. The grants assist organizations with the production-related expenses that are necessary to take a project from conceptualization to realization, and public presentation. The projects include but are not limited to publications, exhibitions, installations, films, new media projects, conferences/lectures, and other public programs.

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

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

[http://www.grahamfoundation.org/grant_programs/?mode=organization](http://www.grahamfoundation.org/grant_programs/?mode=organization)

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

**Application process:** Notify ROADS of intent to apply by **January 29, 2018**.
The Graham Foundation application deadline is **February 25, 2018**.

**ROADS contact:**
Pamela McIntyre, Senior Advisor, at mcintyp@mcmaster.ca or extension 23713

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

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

The program promotes innovation in disaster research by favoring students, new researchers, and novel areas of study.
Although all proposals will be considered, the ICLR has identified areas where it would like to see the literature developed. This list may be updated from time to time. Proposals that engage one or more of the following topics, or classes of disasters will be given extra weight:

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

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

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

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

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

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

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

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

The objective of the International & Interdisciplinary Research Workshops is to explore key questions of global importance that can best be addressed through interdisciplinary, international teams. CIFAR invites the global research community to submit proposals for workshops that are centred on complex, fundamental, critical questions that have the potential to impact multiple sectors of society internationally.

The Open Call is now accepting workshop proposals from any field of humanities, engineering, social, natural, or biomedical sciences. Topics that are timely in the context of world events, high-risk, or which have strong potential for advancement or refinement through a collaborative and interdisciplinary approach, are encouraged. At least one researcher must be based in Canada. Other participants are expected to be geographically diverse.

https://www.cifar.ca/assets/researchworkshops/

Value:
CIFAR will provide up to $50,000 to support short-term, time-limited interactions between 10-20 participants.
**Application Process:**
The CIFAR will accept applications on a *rolling basis*.

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

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

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

[https://www.simonsfoundation.org/funding/funding-opportunities/autism-research-initiative-sfari/sfari-explorer-award/](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
Shastri Indo-Canadian Institute (SICI): Grants

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

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

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

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

2) **Shastri Faculty-In-Residence Programme (FIR)/Global Initiative for Academic Network (GIAN)**, the objective: for Canadian faculty members, scientists, and entrepreneurs to take up engagements at Indian institutions. This programme is projected to tap the talent pool of Canadian faculty and to 1) encourage them to connect with the institutes of Higher Education in India to boost the country’s existing academic resources, 2) accelerate the pace of quality reform, and 3) elevate India’s scientific and technological capacity to global excellence. (review **Scope**, priority areas at [http://www.sici.org/programmes/details/faculty-in-residence-programme-fir-open/](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.  [http://www.sici.org/programmes/details/SICI-Membership-Development-Fund-2017-18/](http://www.sici.org/programmes/details/SICI-Membership-Development-Fund-2017-18/)

**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
News & Events

CIFAR Global Call for Ideas
CIFAR is pleased to announce a second Global Call for Ideas, inviting research leaders from around the world to identify important global research challenges that would benefit from CIFAR’s approach to sustained research interactions that include diverse perspectives.

Attend an interactive webinar to learn more about CIFAR and the Global Call.
This is an excellent opportunity to have your questions answered about the proposal process. Please register for the session most convenient for you.

Thursday, Nov. 9, 2017 8:00 a.m. (ET)
Monday, Nov. 13, 2017 4:00 p.m. (ET)

Technology + Design for Optimal Aging: A Networking Event
The Labarge Centre for Mobility in Aging within MIRA has partnered with the Faculties of Engineering and Health Sciences to present a networking and knowledge sharing event for researchers, funders, and industry partners. McMaster researchers in all Faculties are invited to bring their perspectives on technology and design for optimal aging.

This event will provide opportunities to hear about ongoing projects at McMaster, and to network with other collaborative thinkers who aim to transform the experience of aging through technological innovation.

Date: Thursday, November 9, 2017
Time: 3:30pm-6:30pm
Location: The University Club
Registration required

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

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

Funding Opportunities (DoD) | LOI Deadline | Internal HRS Deadline | Sponsor Deadline
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Department of Defense Reconstructive Transplant Research Program (RTRP) Funding Opportunities for Fiscal Year 2017 – Concept Award | Nov 15 | Nov 22 | Dec 6
Department of Defense Breast Cancer Research Program (BCRP) Funding Opportunities for Fiscal Year 2017 | Nov 21 | Nov 24 | Dec 6
Department of Defense Psychological Health/Traumatic Brain Injury Research Program (PH/BIRP) Applied Behavior Analysis Clinical Study Award | Nov 30 | Dec 7 | Dec 14
Department of Defense Lupus Research Program (LRP) Funding Opportunities for Fiscal Year 2017 | Dec 21 | n/a | Jan 4 2018
*NEW* Department of Defense Kidney Cancer Research Program (KCRP) Funding Opportunities for Fiscal Year 2017 | Dec 20 | n/a | Jan 4 2018
Department of Defense Medical Simulation and Information Sciences Research Program (MSISRP) Funding Opportunities for Fiscal Year 2017 | Nov 20 | Jan 22 2018 | Feb 5 2018

CIHR – Operating Grant: SPOR iCT Rewarding Success

The Rewarding Success Initiative is an experimental funding model that is being piloted in five provinces: Alberta, British Columbia, Manitoba, Newfoundland & Labrador, and Saskatchewan. The Rewarding Success Initiative is similar to other funding models that have been developed to support innovation and impact such as risk sharing, social impact bonds, and innovation prizes. The basic principle is that teams of patients, healthcare delivery organizations, clinicians, and researchers identify potential solutions to identified problems and priorities in health care; solutions that will enhance patient and provider experience while also:

- reducing low value health care (e.g. unnecessary diagnostic tests/ drugs), and/or
- addressing health care inefficiencies (e.g. wait lists), and/or
- reducing avoidable morbidity (e.g. stroke)

Funding Details: The total amount available for this funding opportunity is $1,050,000.
- Phase 1 - Idea Brief: The total amount available for this phase of the initiative is $50,000, enough to fund approximately 20 travel awards, up to four (4) per participating province. The maximum amount per travel award is $2,500.
- Phase 2 – Ideathon: The total amount available for this phase of the initiative is $1,000,000, enough to fund approximately ten (10) grants, up to two (2) per participating province, for the duration of one (1) year. The maximum amount per grant is $100,000.

Additional Details
Internal HRS Deadline: November 7, 2017
Sponsor Deadline: November 21, 2017

CIHR Planning and Dissemination Grants – Institute/Initiative Community Support

This funding opportunity will support projects relevant to the following two research areas:

- Building Healthy Cities
  - IPHI is developing preliminary ideas for strategic efforts to deepen Canada’s scientific leadership in planning, designing and building healthy cities.
  - As one part of initiating this process, IPHI is providing funding for researchers to develop and formally pitch ideas for large-scale “big science” intervention research projects focused on building healthy cities. The goal is to encourage bold, out-of-the-box, blue-sky thinking for ambitious research projects. The ideas should be geared towards a single study that would be feasibly completed in a 5-7 year time-frame with a maximum of $10 million CAD (excluding the cost of implementing any interventions). The successful grantees will be brought together for each to pitch their ideas to inform possible future funding opportunities on healthy cities research.
  - Note: The $10 million CAD amount is provided as a guide for the development of comparable bold proposals and not meant as a funding commitment on the part of CIHR.
Proposed ideas must fall within the mandate of IPPH, which aims to improve the health of populations and promote health equity in Canada and globally.

- **Artificial Intelligence for Population Health**
  - CIHR’s current strategic plan, Health Research Roadmap II, emphasizes a commitment to building Canada’s capacity to innovate in the area of health research; enable health researchers to conduct “high-quality data-intensive research”; and “maximize opportunities for big data to advance knowledge and inform decisions that improve health, social and economic outcomes”.
  - IPPH will provide funding for planning activities/events that facilitate the development of partnerships, teams and/or grant applications for research projects exploring the use of artificial intelligence to answer population health questions that could subsequently be funded by CIHR or other funders.
  - Applications must be focused on developing or applying artificial intelligence approaches for the purpose of addressing population health issues that are aligned with the mandate of the Institute. Applications focused on biomedical, clinical or health services research are not eligible for this funding opportunity.

**Funding Details:** The total amount available for this funding opportunity is $400,000. This amount may increase if additional funding partners participate. Of this $400,000:

- $200,000 is available to fund applications relevant to Building Healthy Cities, enough to fund twenty (20) grants. The set amount awarded for each grant is $10,000 per annum for up to one (1) year. A minimum of five (5) grants will be reserved for Early Career Investigators, any remaining funds will be pooled together with the general pool and applications will be funded in rank order as far as budget will allow.
- $200,000 is available to fund applications relevant to Artificial Intelligence for Population Health, enough to fund approximately ten (10) grants. The maximum amount awarded for a single grant is $20,000 per annum for up to one (1) year. A minimum of three (3) grants will be reserved for Early Career Investigators, any remaining funds will be pooled together with the general pool and applications will be funded in rank order as far as budget will allow.

**Additional Details**

- **Internal HRS Deadline:** November 8, 2017
- **Sponsor Deadline:** November 22, 2017

**CIHR – Operating Grant: Economic Forecasting**

The objective of the Economic Forecasting funding opportunity is to:

- Advance knowledge in health economic forecasting of the cost of primary and secondary prevention, and early intervention services.
- Build capacity to produce financial projections that would more easily allow government departments to understand the impact of scaling evidence-based primary and secondary prevention interventions on their budgets over time.

**Funding Details:** The total amount available for this funding opportunity is $265,000, enough to fund approximately one grant for up to one year. Of this amount:

- The J.W. McConnell Family Foundation will contribute up to $90,000;
- CIHR-ISHPR will contribute $116,700; and
- CIHR-IHDCYH will contribute $58,300.

**Additional Details**

- **Internal HRS Deadline:** November 14, 2017
- **Sponsor Deadline:** November 28, 2017

**CIHR – Operating Grant: Secondary Data Analysis for Cancer Prevention and Control**

The specific objective of this funding opportunity is to support projects that have the potential to significantly advance our understanding of cancer prevention and cancer control through the analysis of existing National or International large cohorts and/or administrative datasets specific to one of the three research areas above. Such projects/analyses could lead to the identifications of prevention and treatment interventions, programs or protocols which contribute to the improvement of care and the reduction of morbidity and mortality.

**Funding Details:** The total amount available for this funding opportunity is $1,000,000 enough to fund approximately ten (10) grants. The initial amount per grant is $75,000 for up to 1 year. Of this $1,000,000:
• $250,000 will be dedicated for a possible additional amount of up to $25,000 per grant for biologic sample analysis from the cohorts, for a maximum grant value of $100,000. The biological sample analysis may only occur with an existing repository and established database with sample data (not on newly collected samples). A justification will be required to have access to these additional funds.
• In considering the initial $750,000 for the 10 grants:
  • $150,000 is available to fund two (2) grants relevant to breast cancer.
  • $600,000 is available to fund eight (8) grants relevant to all other cancers.
• If there are no fundable applications in the breast cancer funding pool, the funds will be transferred to the other pool.

Additional Details
LOI Deadline: November 7, 2017
Internal HRS Deadline: November 14, 2017
Sponsor Deadline: November 28, 2017

CIHR – Master’s Award: 2017-2018 Frederick Banting and Charles Best Canada Graduate Scholarships
The Canada Graduate Scholarships Master’s Awards are intended to provide special recognition and support to students who are pursuing a Master’s degree in a health related field at a Canadian institution. These candidates are expected to have an exceptionally high potential for future research achievement and productivity.
Some Canada Graduate Scholarship recipients may be considered for the honour of having their scholarship named a "Canada Graduate Scholarship to Honour Nelson Mandela," should CIHR deem their application to be aligned with at least one of five themes championed by Mandela: national unity; democracy; freedom and human rights; leadership; children’s participation in society; and children’s health.

Funding Details: The total amount available for this funding opportunity is $7M, enough to fund approximately 400 awards.

Contact Antonella Masciantonio in Graduate Studies to Apply
Sponsor Deadline: December 1, 2017

CIHR – Operating Grant: Opioid Crisis Knowledge Synthesis
This Funding Opportunity is expected to:
  • Address the pressing evidence needs of knowledge users within one or more pillars of the CDSS.
  • Increase the application of knowledge related to one or more pillars of the CDSS in policy and decision-making, in order to address the most urgent elements of the opioid crisis, including opioid-related mortality rates.
  • Encourage syntheses that consider sub-populations and/or the biological and social determinants of problematic opioid use.

Funding Details: The total amount available for this funding opportunity is $1,850,000.
  • The maximum amount per grant is $110,000 for up to 6 months ($100,000 for knowledge synthesis, $10,000 to facilitate knowledge translation, such as for an end-of-grant knowledge exchange).
  • The maximum amount for a scoping review is $60,000 for up to 6 months ($50,000 for the scoping review, $10,000 to facilitate knowledge translation, such as for an end-of-grant knowledge exchange).

Additional Details
Internal HRS Deadline: November 21, 2017
Sponsor Deadline: December 5, 2017

CIHR – Joint Canada-Israel Health Research Program
This funding opportunity is expected to:
  • Advance research and discovery in the biomedical sciences;
  • Encourage scientific collaboration between Canadian and Israeli researchers and trainees; and
  • Build capacity in biomedical science and foster scientific relations and collaborations with researchers and trainees in low and middle income countries.

Funding Details: The current competition will fund up to six teams, with a maximal annual budget of approximately $390,000 per team (NIS 1,257,965), for a total amount of approximately $1.17M over three years (NIS 3,773,896).
• ISF will administer the 6 funded grants to the Israeli Principal Applicant's (PA) institution. The maximum amount per project that can be requested by the Israeli PA from ISF is up to NIS 1,540,000 over 3 years.

• IDRC will administer the 6 funded grants to the Canadian PA's institution. The maximum amount per project that can be requested by the Canadian PA from IDRC is up to CAD $670,000 over 3 years.

Additional Details

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

CIHR – Team Grant: Research Network on Lyme Disease

The Lyme Disease Research Network grant is expected to:

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

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

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

Additional Details

Internal HRS Deadline: February 20, 2018
Sponsor Deadline: March 6, 2018

Hamilton Academic Health Sciences Organization (HAHSO) AHSC AFP Innovation Fund

The Provincial AHSC AFP Innovation Fund was established from new annual AHSC AFP funding under the Physician Services Agreement between the Ontario Medical Association (OMA) and the Ministry of Health and Long-Term Care (MOHLTC). This Innovation Fund is targeted to support: “the development of new and innovative practices in health care delivery, and to support leadership and the dissemination of knowledge across the healthcare system.”

The HAHSO Grant Adjudication Panel manages the application process and formulates recommendations regarding funding approval of Innovation Fund proposals to the HAHSO Board of Directors who in turn submit recommended projects to the Innovation Fund Provincial Oversight Committee. (IFPOC)

Funding Details: The maximum annual funding is limited to $100,000 and the maximum duration of the project is two years.

Additional Details

Sponsor Deadline: November 6, 2017 12:00 pm

*To apply or if you have any questions, consult with your Departments’ Business Manager for your Physician Association*

HHS Research Early Career Awards

The Hamilton Health Sciences Research Early Career Awards (ECA) are research personnel stipends awarded annually. These Early Career Awards are to be used to help the applicant pursue research in their specialty area through either purchasing a portion of time for the applicant’s salary OR a portion of time for salaries of research personnel who are supervised by the applicant. Candidates must be staff members of Hamilton Health Sciences, or members of HHS research institutes, and must hold a faculty appointment.

Funding Details: up to $50,000 annually, for up to 3 years.
The Canadian Institute for Advanced Research (CIFAR) Global Call for Ideas

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

Submissions must address global, complex questions and identify an interdisciplinary research approach. Proposals will be accepted from all areas of research.

Register for an interactive webinar to learn more about CIFAR and the Global Call.
This is an excellent opportunity to have your questions answered about the proposal process. Please register for the session most convenient for you.

Thursday, Nov. 9, 2017 8:00 a.m. (ET)
Monday, Nov. 13, 2017 4:00 p.m. (ET)

Canadian Blood Services (CBS): Graduate Fellowship Program
The Canadian Blood Services Graduate Fellowship Program provides stipend support for young investigators who want to initiate or continue training in the field of transfusion science. Graduate students undertaking full-time research training in a Canadian institution are invited to apply.

Funding Details: The fellowship has a value of $25,000 per annum with an additional travel allowance of $1,000 per year of support. Students may be supported for a maximum of four years, with a requirement for successful renewal half way through the fellowship.

Council of Ontario Universities (COU): The Ontario Women’s Health Scholars Awards 2018-2019
The Ontario Women’s Health Scholars Awards Program was established with the support of the Ministry of Health and Long-Term Care to ensure that Ontario attracts and retains pre-eminent scholars studying women’s health. The Ontario Women’s Health Scholars Awards Program aims to establish a research community that meets or exceeds internationally accepted standards of scientific excellence in its creation of new knowledge about women’s health and its translation into improved health for women, more effective health services and products for women, and a strengthened health care system.

Funding Details: For 2018-19, the program offers up to:

- three renewable one-year awards of $25,000 (plus a research allowance of $1,000) at the master’s level;
- three renewable one-year awards of $35,000 (plus a research allowance of $2,000) at the doctoral level; and
- two renewable one-year awards of $50,000 (plus a research allowance of $5,000) at the postdoctoral level.
European Respiratory Society (ERS) Marie Curie Post-doctoral Research Fellowships (RESPIRE 3)

This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 713406. RESPIRE3 is an international, inter-sectoral and inter-disciplinary programme providing Marie Skłodowska-Curie post-doctoral research fellowships to early stage scientists with the potential to become the leaders of tomorrow in the respiratory field. It is co-funded by the European Union (EU) and builds on the success of the previous RESPIRE1 and RESPIRE2 programmes.

Fellowship candidates can choose between two options, both offering attractive working conditions and a strong focus on career development:

- 2-year European Fellowships - open to candidates of any nationality to come to or move within Europe
- 3-year Global Fellowships - also now on offer

**Funding Details:** The ERS RESPIRE3 grant covers the following allowances (full-time rates), covered through ERS/EU co-funding:

- Living Allowance €56’400.
- Mobility allowance €14’600.- for moving to a new country & career development
- Family allowance (only if applicable) €6’000.-

**Orthopaedic Trauma Association: Resident Grant**

The principal investigator must be an orthopaedic resident (the co-principal investigator does NOT have to be a resident). Either the principal investigator, or co-principal investigator, must be an OTA member (in good standing). The research must be conducted in North America. OTA Resident Grants will not be awarded to subsidize larger on-going research projects.

**Funding Details:** Resident Grants up to $20,000 are available for clinical research or basic research projects.

**OMeGA 2018-2019 Fellowship Grant**

OMeGA is now accepting fellowship applications for the 2018-2019 academic years. Grants support clinical orthopaedic fellowship programs and may be used for a fellow's salary and benefits. (Programs can request preapproval of other direct educational expenses if salary and benefit support is not possible.) Applications are scored individually and ranked in comparison to other subspecialty applicants. Awards are determined by available funding each academic year, which varies by subspecialty.

**Funding Details:** Up to $75,000

**Provincial Lung Association Grant Awards Program – National Grant Review (NGR)**

The Grant-in-Aid (GIA) program, a national peer reviewed application process, supports pulmonary research or development projects and offers grants for research operating costs, including laboratory supplies, technicians and some equipment for up to one or two years (varies from province to province). The Canadian Lung Association (CLA) manages the GIA program application and peer review processes. The provincial Lung Associations make funding decisions and administer the awards, taking into account application budgets and competition results. The participating provincial Lung Associations are:

- British Columbia Lung Association
- Lung Association - Alberta & Northwest Territories (NWT)
- Lung Association - Ontario

Applicants should refer to their respective provincial regulations governing Grants-in-Aid for additional information as guidelines vary from province to province.

**Funding Details:** Up to $50,000 for 1 year
Ontario Genomics: Bioinformatics and Computational Biology Funding Competition (B/CB)

Ontario Genomics is pleased to announce an upcoming Genome Canada funding opportunity for Bioinformatics and Computational Biology to be launched in December 2017. This funding opportunity is aimed at supporting research projects that address any aspect of bioinformatics and computational biology (B/CB) as it relates to genomics across all of Genome Canada’s sectors, i.e., human health, agriculture, aquaculture/fisheries, forestry, energy, mining and environment.

The objectives of this competition are:

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

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

Simons Foundation (SFARI): Pilot and Research Awards

SFARI Pilot Award

This application type is for innovative, high-impact proposals requesting support for small-scale projects or early-stage experiments that will build on preliminary data or a prior track record and lead to competitive applications for funding by SFARI or other organizations. Investigators new to the field of autism are encouraged to apply for Pilot Awards. The total maximum award amount is $330,000, including indirect costs, for two years. Budgets for individual years can vary as long as the budget over two years does not exceed the maximum total award amount. Please note that SSC and Simons VIP biospecimen costs are not included in the maximum budget.

SFARI Research Award

This application type is for competitive proposals from investigators with demonstrated expertise requesting support for compelling, high-impact research on experimental hypotheses for which, in most cases, preliminary data have already been gathered. The foundation will also consider projects focusing on a central hypothesis where success depends on close collaboration between two or more labs.

We expect to fund proposals for a maximum total award amount of $975,000, including indirect costs, for three years, but under exceptional circumstances we will consider proposals at higher levels. Budgets for individual years can vary as long as the budget over three years does not exceed the maximum total award amount. We realize that research involving human subjects can be costly, and we will consider proposals with budgets of up to $1,200,000, including indirect costs, for three years if justified in the budget. (This grant mechanism is not intended to support large, randomized clinical trials of medications.) We strongly encourage PIs considering such studies to discuss their proposals and budgets with SFARI science staff before submission (please contact scienceRFA@simonsfoundation.org). Proposals with unusually high budgets are subject to heightened scrutiny. Please note that SSC and Simons VIP biospecimen costs are not included in the maximum budget.

Funding Details:

- Pilot Award: Up to $330,000 for up to 2 years.
- Research Award: Up to $975,000 for 3 years.
Weston Brain Institute: Transformational Research Canada 2018 Neurodegenerative Diseases of Aging

The Weston Brain Institute is delighted to launch their Transformational Research: Canada 2018 Program to fund transformative, novel, high-risk, high-reward translational research projects with excellent preliminary data. Their goal is to provide funding for translational research that will accelerate the development of therapeutics for neurodegenerative diseases of aging.

Eligible Principal Applicants must be researchers working in Canada at least 30% of the time at or above the level of Assistant Professor or equivalent, and be affiliated with a Canada Revenue Agency-qualified donee institution located in Canada. Co-Applicants/Collaborators must be at the post-doctoral level or above and can be working outside Canada.

The Weston Brain Institute will be holding an online Program Information Webinar for this funding opportunity on Wednesday, October 25th at 1:00 pm EDT. This session is intended to provide you with comprehensive information on the application process and to provide an opportunity for open questions.

Register Here

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

Additional Details
LOI deadline: December 7, 2017
Sponsor Deadline (By invite only): March 2018

Natural Sciences and Engineering Research Council of Canada (NSERC) Belmont Forum-BiodivERsA: 2017-2018 Joint Call: Scenarios of Biodiversity and Ecosystem Services

NSERC is participating in the Belmont Forum and BiodivERsA joint call on the following theme: Scenarios of biodiversity and ecosystem services.

The call will address the two following major (non-exclusive) priorities:

- Development and application of scenarios of biodiversity and ecosystem services across spatial scales of relevance to multiple types of decisions;
- Consideration of multiple dimensions of biodiversity and ecosystem services in biodiversity scenarios.

The call aims at supporting proposals that explicitly address a scenario dimension, taking into account the following definition of scenarios: “Scenarios of biodiversity and ecosystem services are the outputs of the combination of scenarios of indirect drivers and direct drivers — such as land use change, invasive alien species, overexploitation, climate change or pollution — and models of impacts of these drivers on biodiversity and ecosystem services.”

Twenty-five funding organizations from 23 countries are joining this call: Argentina, Austria, Belgium, Brazil (State of Sao Paulo only), Bulgaria, Canada, Estonia, Finland, France, Germany, Ireland, Ivory Coast, Lithuania, The Netherlands, Norway, Poland, Romania, Slovakia, Spain, Sweden, Switzerland, Turkey, United States of America. Scientific teams are invited to form international consortia comprising research groups from at least three countries participating in the call.

Funding Details: The approximate global budget for this call is more than 25 million euros ($37 million CDN). NSERC’s contribution will be up to $300,000 per year for 3 years, with a maximum of $75,000 per year per project.

Additional Details
LOI to ROADS: November 13, 2017
Mandatory Pre-Registration Deadline: December 1, 2017
Draft Application to ROADS: February 7, 2018
Final Application to ROADS: March 1, 2018
Sponsor Deadline: March 9, 2018
*To Apply, Contact Nathan Coschi, Senior Advisor, ROADS at coschimn@mcmaster.ca extension 21581*

Cancer Research Institute: Technology Impact Award

The Cancer Research Institute Technology Impact Award provides seed funding to address the gap between technology development and clinical application of cancer immunotherapies. These grants aim to encourage collaboration between technology developers and clinical cancer immunologists and to generate the proof-of-principle of a novel platform technology in bioinformatics, ex vivo or in silico modeling systems, immunological or tumor profiling instrumentation, methods, reagents and assays, or other relevant technologies that can enable clinician scientists to generate deeper insights into the mechanisms of action of effective or ineffective cancer immunotherapies.
Award winners will be selected based on the novelty, creativity, technical sophistication, and transformative potential of the technology to impact cancer immunotherapy research around the world. The ultimate aim of this program is to advance technologies that can speed up the entire field’s efforts in addressing one of the most defining challenges of our time—developing immunotherapies that are effective for all cancer patients.

**Funding Details:** The Cancer Research Institute Technology Impact Award provides seed funding of up to $200,000 to be used over 12-24 months

**Additional Details**
**LOI Deadline:** November 15, 2017  
**Internal HRS Deadline:** March 1, 2018  
**Sponsor Deadline:** March 15, 2018 (by invite only)

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**Brain Canada Foundation – Parkinson Canada Platform Grant**

The Platform Grant is intended to support the development and maintenance of a large-scale Canadian Parkinson Network and Registry that is built on the foundation of the established and successful FRQS Quebec Parkinson Network, involving multiple provinces, in the field of Parkinson’s disease and related disorders, as well as its operating costs, for a period of three years. The platform will have to provide added value to the Canadian Parkinson research. Brain Canada and Parkinson Canada will not prescribe any approaches, but wish for the applicants to answer three questions:

- How can Canada become a leader in Parkinson’s research?
- What can be learned and implemented from models in other countries?
- How can nationwide collaborations in the field of Parkinson’s disease research be made more efficient?

**Funding Details:** The total amount available to support the platform grant is CDN $2,000,000.

**Additional Details**
**LOI Deadline:** November 13, 2017  
**Internal HRS Deadline:** March 16, 2018  
**Sponsor Deadline:** March 30, 2018 (by invite only)

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**MITACS Accelerate Internship Opportunities**

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

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

**Additional Details**
**LOI Deadline:** January 8, 2018  
**Internal HRS Deadline:** March 18, 2018  
**Sponsor Deadline:** April 1, 2018

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**Weston Brain Institute Rapid Response: Canada 2018 Parkinson’s & Related Diseases – Round 1**

Seed funding for novel, high-risk, high-reward translational research to accelerate the development of safe and effective treatments for neurodegenerative diseases of aging. Principal applicants must be at or above the level of postdoctoral researcher at a CRA qualified institution located in Canada. Project must involve the development of a therapeutic, and/or a tool to help accelerate the development of therapeutics for neurodegenerative diseases of aging.

**Program Information Session:** October 10, 2017 at 1pm EDT  
(Register here)

**Funding Details:** Maximum $200,000 over up to 18 mos.
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.

MITACS Globalink Research Award – Special Opportunity

The Mitacs Globalink Research Award supports international research collaboration. Special research funding is available for graduate students with uncertain status in their current location, to conduct research at a Canadian university.

Funding Details:
- $5,000 award from Mitacs to support student travel and accommodation expenses, research-related expenses, and student stipend
- 12-24 week project at a Canadian university Supervised by Canadian faculty
- Applications are accepted at any time and will be processed as received.

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

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

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

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

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

Funding Details: SFARI will support applications for maximum of $70,000, including indirect costs, for one year, non-renewable.
Department of Defense Reconstructive Transplant Research Program (RTRP) Funding Opportunities for Fiscal Year 2017 - Concept Award

The RTRP Concept Award supports the exploration of a highly innovative new concept or untested theory relevant to reconstructive transplantation. Applications must address at least one of the FY17 RTRP Focus Areas:

- Immune system regulation as specifically applied to vascular composite allotransplantation (VCA)
- Psychosocial considerations and challenges associated with VCA
- Development of ex vivo VCA tissue preservation strategies to extend the time between procurement and transplantation, with a goal of 24 hours
- Development of pre-habilitation or rehabilitation strategies that improve reconstructive transplant functional outcomes
- Development of standardized quantitative functional outcome measures for VCA, especially for face transplant
- Graft clinical monitoring, acute and chronic, as applied to VCA

Funding Details: Maximum Funding of $200,000 for total costs for a maximum of 18 mos.

Department of Defense Breast Cancer Research Program (BCRP) Funding Opportunities for Fiscal Year 2017

Three new awards are available. Please refer to additional details link for more information from the DoD website. Please see below for detailed deadlines.

Funding Details:

- Era of Hope Scholar Award II – Maximum funding of $2.5M for direct and indirect costs for a maximum of 4 years.
- Breakthrough Award Levels 1 and 2 II:
  - 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 II – Maximum funding of $300,000 for direct and indirect costs for a maximum of 3 years.

Department of Defense Psychological Health/Traumatic Brain Injury Research Program (PH/BIRP) Applied Behavior Analysis Clinical Study Award

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

Funding Details: Maximum funding of $7,000,000 for direct and indirect costs for a maximum of 4 years.
Department of Defense Lupus Research Program (LRP) Funding Opportunities for Fiscal Year 2017

The Department of Defense has announced two new funding opportunities in the LRP for fiscal year 2017.

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

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

**Additional Details**
- **LOI Deadline:** November 30, 2017 (A pre-application is required and must be submitted through eBRAP)
- **Internal HRS Deadline:** December 7, 2017
- **Sponsor Deadline:** December 14, 2017

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

Four new awards are available. Please refer to additional details link for more information from the DoD website. Please see below for detailed deadlines.

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

**Additional Details**
- **LOI Deadline:** December 21, 2017 (A pre-application is required and must be submitted through eBRAP)
- **Internal HRS Deadline:** n/a
- **Sponsor Deadline:** January 4, 2018

Department of Defense Medical Simulation and Information Sciences Research Program (MSISRP) Funding Opportunities for Fiscal Year 2017

This Opportunity seeks to support basic research that dramatically advances the state of the art in civilian and military trauma care at the first responder point of care, during prolonged field care of combat casualties, and extended enroute care that can potentially be mitigated by leveraging novel ideas and designs that are yet to be invented in soft robotic, semiautonomous and autonomous concepts and systems for hemorrhage control, resuscitation, vascular and surgical control of combat casualties, and transport for critical care patients in unmanned vehicles.

**Funding Details:** Maximum Funding of $1,300,000 for direct and indirect costs for a maximum of 2 years

**Additional Details**
- **LOI Deadline:** November 20, 2017 (A pre-application is required and must be submitted through eBRAP)
- **Internal HRS Deadline:** January 22, 2018
- **Sponsor Deadline:** February 5, 2018