News & Events

*NEW* Annual Ethics Workshop
The MREB and HiREB are hosting the annual human research ethics workshop. This workshop is designed to introduce researchers across all faculties and disciplines to ethical issues surrounding research involving human participants. A great workshop for graduate students but also helpful to researchers overall.

Where: CIBC Hall, Third Floor, McMaster University Student Centre
When: Thursday, January 11, 2018 9:00 a.m. to 11:30 a.m.
Registration: Contact M. Wilson: ethicsoffice@mcmaster.ca or ext. 23142

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

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

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

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

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

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

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The overall goals for this funding opportunity are to:

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

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

CIHR – Team Grant: Drug Safety and Effectiveness Network (DSEN) Search-Prevent 2018

The DSEN: SEARCH-PREVENT Team Grant is expected to contribute to the growth and development of capacity in post-market drug safety and effectiveness (PMDSE) research in these areas by:

- actively engaging trainees, new investigators and researchers and providing superior training and mentoring environments;
- developing new or improved methods to facilitate the evaluation of post-market drug safety and effectiveness; and
- extending the reach of DSEN research through collaboration across other DSEN research teams and potentially international researchers with expertise in PMDSE research.

Advance the evidence base of post-market drug safety and effectiveness research through prospective research studies that are responsive to decision-maker needs in the areas of active surveillance and pharmacogenomics.

Increase the impact of research on policy and practice through an integrated Knowledge Translation approach between the research team, stakeholders and end-users.

Funding Details: The total amount available for this funding opportunity is $2,250,000, enough to fund one grant. The maximum amount per grant is $750,000 per year for up to three years.

CIHR-Indigenous Component of Healthy Life Trajectories (I-HeLTI)

The objectives of the Development Grants for the Indigenous component of HeLTI (I-HeLTI) are to:

- Enable First Nations, Métis, Inuit and Urban Indigenous communities to determine readiness, priority areas of interest and capacity within relevant communities to undertake a research project;
- Inform the design of I-HeLTI through community engagement to identify community readiness, assess research priorities, and understand research capacity, relationships with other groups, sex and gender considerations, data capacity considerations and governance; and
- Enable self-determination of Indigenous community-based intervention research by supporting relationship-building within and between Indigenous communities and among other groups.

Funding Details: The total amount available for this funding opportunity is $1,000,000, enough to fund approximately 10 development grants. The maximum amount per grant is up to $100,000 per year for one year.
**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

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**CIHR - Network Grant in Transplantation Research**

The Network Grant in Transplantation Research will support and promote a national Network that enables and improves continuous collaboration and networking across the field of world class transplant research by sustaining necessary efficient human, scientific and technological research core infrastructure through leadership, as well as operational, administrative, coordinating professional resources and services. This Network is expected to:

- Maintain and strengthen, in cost-effective ways, the core infrastructures and services that support the administration of transplant research, scholarship, and collaborations, including resource and knowledge sharing, with the ultimate medium-term goal of sustainability;
- Facilitate and support the effective creation, translation, dissemination and application of new knowledge generated by the transplant research community (including programs and policies, social and economic benefits, and in-patient care and health);
- Mobilize, build, maintain and strengthen the continuous collaboration of a network of Canadian and international stakeholders from across the full spectrum of transplant research (including but not limited to scientists, students, collaborators, patient partners, knowledge-users, and the general public) by coordinating opportunities for interaction, exchange and mutual learning, independently-funded research projects and more broad and efficient use of resources and infrastructure;
- Promote the development of a service menu to foster transplant research that may include without being limited to management of clinical trials, support of clinical trials startup, ethics and health authorities’ regulatory approvals, training and mentoring programs, registries, health economics, biostatistics, data management, and knowledge translation.
- Strengthen efforts to attract and increase investments directed towards the Canadian Transplant Research space;
- Promote the development of high quality talents and resources in the field of transplant research by establishing innovative multidisciplinary curricula and providing training opportunities for students and professionals (scientific and/or clinical); and
- Establish and/or review national standards for clinical care for long-term follow-up in the field of transplantation that will support tailored transplantation policies and programs.

**Funding Details:** The total amount available for this funding opportunity is $3,300,000, enough to fund one grant over 4 years.

**Additional Details**

- **Internal HRS Deadline:** February 1, 2018
- **Sponsor Deadline:** February 15, 2018

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**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 phenomenon 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

CIHR – Operating Grant: SPOR PIHCI Network – Knowledge Synthesis Grants 2018
The specific objective of this funding opportunity is to support cross-jurisdictional teams of researchers and knowledge users to produce knowledge syntheses or scoping reviews relevant to the priorities of the Primary and Integrated Health Care Innovations (PIHCI) Network, contributing to the use of synthesized evidence in decision-making and practice across multiple jurisdictions.

Funding Details: The total amount available from CIHR for this funding opportunity is $125,000, enough to fund approximately five grants. The maximum CIHR annual amount per grant is $25,000 for up to one year.
• Applicants must secure partner contribution from non-federal sources to match the CIHR contribution at a minimum of 1:1 ratio.
• Only one project may be funded per unique grouping/combination of jurisdictions. An exception will be made if funds are remaining after all fundable applications with unique grouping/combinations of jurisdictions are funded.

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

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

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

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

CIHR Project Grant: Spring 2018
Priority Announcements offer additional sources of funding for highly rated applications that are relevant to specific research areas. Applications are submitted through the "201803PJT" competition of the Project Grant: Spring 2018 funding opportunity. CIHR and partner(s) financial contributions for this initiative are subject to availability of funds. Should CIHR or partner(s) funding level not be available or be decreased due to unforeseen circumstances, CIHR and partner(s) reserve the right to reduce, defer or suspend financial contributions to awards received as a result of this funding opportunity.

CIHR Research Priority Areas
• Aboriginal Peoples' Health
• Aging
Funding Details: The total amount available for this funding opportunity is $100,000. The maximum amount awarded for a single grant is $100,000 per annum for up to one (1) year.

Additional Details
LOI Deadline: February 6, 2018
Internal HRS Deadline: February 26, 2018 4:00 pm on RNet
Sponsor Deadline: March 6, 2018

CIHR – Health System Impact Fellowship 2018
The Health System Impact Fellowship is expected to:

- Support impact-oriented career paths and elevate the career readiness of PhD trainees and post-doctoral fellows studying HSPR or related fields by supporting experiential learning opportunities in health system and related organizations outside of the traditional scholarly environment and enriched competency development (e.g., leadership, project management);
- Expand and enrich the traditional doctoral and post-doctoral training environment by engaging health system and related organizations in preparing a cadre of promising doctoral trainees and post-doctoral fellows for successful careers;
- Provide health system and related organizations with direct opportunities to realize and harness the benefits that research-trained individuals can bring to such organizations for improved decision-making.

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

- Stream A: HSI Award for Doctoral Trainees: Of the total amount available, $700,000 is available to fund 20 awards relevant to CIHR-IHSPR and is allocated among regional funding pools as follows:
  - $210,000 is available to fund 6 awards in Western Canada (including Manitoba, Saskatchewan, Alberta, British Columbia, Northwest Territories, and Yukon)
  - $350,000 is available to fund 10 awards in Central Canada (including Quebec, Ontario, and Nunavut)
  - $140,000 is available to fund 4 awards in Eastern Canada (including Newfoundland and Labrador, Nova Scotia, Prince Edward Island, and New Brunswick)

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

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

CIHR – Canadian Microbiome Initiative 2: Research Core
The objective of this funding opportunity is to develop a sustainable pan-Canadian Research Core that will:

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

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

**Additional Details**
- **LOI Deadline:** February 13, 2018
- **Internal HRS Deadline:** August 7, 2018
- **Sponsor Deadline:** August 21, 2018

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

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

**Funding Details:** The total amount available from CIHR for this funding opportunity is up to $39,000,000 enough to fund one grant for a term of up to seven years. The breakdown of the annual funding available is as follows:
- Year 1: $3,000,000
- Year 2: $4,000,000
- Year 3: $5,000,000
- Year 4: $6,000,000
- Years 5-7: $7,000,000 in each year

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

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**McMaster University International Initiatives Micro Fund (IIMF)**

The International Initiatives Micro Fund (IIMF) is intended to provide funding for new international research initiatives. The funds are aimed at reducing financial barriers to the formation of new partnerships and at kick-starting joint international research activities. The IIMF is intended to provide small investments in first-time international research contacts or initiatives, typically originated by individual faculty members. It is meant to reduce the threshold to international research activities and serve as seed funding, ideally leading to joint projects and international partnerships.

A total of 45 proposals have received IIMF funding over the past three years, for a total investment of over $250K: https://brighterworld.mcmaster.ca/articles/mcmaster-researchers-receive-funding-to-pursue-international-partnerships/

The application process is simple and straightforward, requiring only a one-page description of the project and the intended use of the funds. Proposals should be submitted to Peter Mascher and be accompanied by the applicant’s CV (NSERC Form 100 or equivalent). Faculty approval is required.

**Funding Details:** Individual investments are limited to $5000. It is expected that ten projects will be selected to receive funding.

**Additional Details**
- **Internal HRS Deadline:** January 12, 2018
The Canadian Institute for Advanced Research (CIFAR) Global Call for Ideas

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

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

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

Crohn’s & Colitis Foundation: Entrepreneurial Investing Initiative

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

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

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

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

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

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

The objectives of this competition are:

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

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

Additional Details
Draft Registrations Due to Ontario Genomics: January 24, 2018
Final Registrations Due to Ontario Genomics: January 31, 2018
Final Registrations Due to Genome Canada: February 1, 2018
Draft Applications Due to Ontario Genomics: February 7, 2018, 10am
Final Applications Due to Ontario Genomics: March 28, 2018, 10am
**Ontario Respiratory Care Society (ORCS) Research Grant**

The objective of this fund is to promote research regarding any field of acute or chronic lung disease. Research may include investigation of any phenomenon pertinent to illness assessment, management, or responses of the individual with a respiratory condition. Research may also be aimed at health promotion, education and prevention issues. Studies may use quantitative or qualitative methodologies. The Lung Association – Ontario (TLA) is committed to supporting the best respiratory research in Ontario. TLA has established focus areas: asthma, air quality and smoking-related lung disease. Projects in these areas are encouraged. However, the primary criterion for the awarding of research monies shall be the excellence of the research proposal.

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

**Additional Details**

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

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

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

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

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

**Additional Details**

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

**Parkinson Canada Research Program**

The Parkinson Canada Research Program funds research into the cure, cause, progression, improved treatment and/or understanding of Parkinson's disease, related disorders including Multiple System Atrophy (MSA), Progressive Supranuclear Palsy (PSP), other Parkinson's conditions and the impact these diseases have on society. Parkinson Canada has released 6 new funding opportunities. Please refer to the additional details link for more information from the Parkinson Canada website.

**Funding Details:**

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

**Additional Details**

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

**The Kidney Foundation of Canada: KRESCENT Post-Doctoral Fellowship**

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

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

**Additional Details**

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

### The Kidney Foundation of Canada: KRESCENT New Investigator Award

The KRESCENT program New Investigator Award is awarded to individuals who have clearly demonstrated excellence during their pre-doctoral and post-doctoral training in kidney disease. The Award provides salary support for up to three years of the faculty appointment at the rank of Assistant Professor or its equivalent at a Canadian University. The purpose of this award is to assist such an individual to become established as a fully independent investigator in the field of kidney disease. Preference may be given to candidates who have been awarded and successfully completed a KRESCENT program Post-Doctoral Fellowship or Allied Health Doctoral Scholarship.

**Funding Details:** The annual stipend is $70,000 (MD or equivalent degree) or $65,000 (Ph.D. without a MD or equivalent degree) without benefits. Stipends are valued in Canadian dollars and are taxable. It is expected that 50% of the award will be contributed by the KRESCENT Program and 50% by the host institution.

**Additional Details**

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

### Burroughs Wellcome Fund: Collaborative Research Travel Grants

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

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

**Additional Details**

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

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

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

- an experimental study of how college students use visual representations in solving math problems
- a study exploring the process of racial and rural identity formation among African American high-school students who attend de facto segregated schools in the rural South
- a mixed-methods study focusing on the different types of knowledge novice and experienced teachers draw on in teaching for reading comprehension
Spencer (Spencer Foundation): The New Civics
The New Civics initiative area invites research proposals that ask critical questions about how education can more effectively contribute to the civic development of young people. As a start, the Spencer Foundation asks what experiences, environments, and contexts help young people, from all walks of life, develop the habits, skills, understandings, and dispositions that encourage informed participation in civic affairs.

Funding Details: Up to $50,000

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

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

MS Society of Canada: 8th endMS scholar Program for Researchers IN Training (SPRINT)
SPRINT is designed for the elite MS trainee with an interest in enhancing knowledge and skill in MS research, taking part in interdisciplinary, collaborative research and establishing valuable connections among peers in the field. SPRINT is intended to be pursued as a supplement to the research conducted by the trainees at their institutions. Trainees accepted in the program participate in two consecutive annual endMS Summer Schools and career development sessions as well as in active learning components that are pursued throughout the academic year (such as an interdisciplinary learning project, mentorship, and inter-institution research transfer opportunities). The goal of the interdisciplinary learning projects is to provide trainees with the unique opportunity to expand their areas of research interest in a structured program under the supervision of a SPRINT mentor and in collaboration with two co-trainees from different disciplines.

Funding Details: Receive a stipend of $2,500 for the 13 month program

National Multiple Sclerosis Society: Research Grants
The National MS Society welcomes applications for studies related to multiple sclerosis that may serve to advance our mission of stopping MS progression, restoring function and improving quality of life, and preventing MS. The Society supports fundamental as well as applied studies, non-clinical or clinical in nature, including projects in patient management, care and rehabilitation.
Funding Details: Applicants are required to provide an estimate of the total cost of the proposed project.

**MS Society of Canada: 10th annual endMS Summer School Competition**
The endMS Summer School is an annual interactive education program that aims to enhance knowledge and skills in MS research among trainees. Each year, Summer School brings together close to 40 trainees from a variety of disciplines to learn about one central MS-related theme and the focus alternates between basic one year and clinical and population health research the next. Participants explore topics in a small group setting that facilitates networking, collaboration and information exchange. The program features lecture-based plenary sessions, facilitated workshops, and opportunities to interact with people affected by MS. Summer School involves an interdisciplinary agenda that strives to offer participants a more comprehensive understanding of MS.
The 2018 endMS Summer School, “Environmental and Lifestyle Factors Associated With MS: Bench to Bedside”, will be held from June 11-14, 2018 in Toronto at the Hospital for Sick Children’s Peter Gilgan Centre for Research and Learning.

**World Anti-Doping Agency (WADA): 2018 Scientific Research Grants**
Science is key to driving advances in anti-doping. Innovative, fact-based research helps the anti-doping community identify new trends in doping, new drugs, new delivery mechanisms and new methods of detection. Since 2001, WADA has committed more than US$73 million to helping researchers around the world develop breakthroughs in anti-doping science. These grants are critical because they increase the volume of research dedicated to developing new and improved detection methods for performance-enhancing substances and methods as well as attract the best minds to this cause.

WADA has now issued its call for proposals for 2018 scientific research grants.

**MITACS Elevate Winter 2018 Call for Proposals**
Mitacs Elevate is a postdoctoral fellowship with a customized research management training component. Fellows address complex challenges through:
- An exclusive research management curriculum for postdoctoral fellows in any discipline
- A minimum one-year research project (normally two years in duration) with a partner organization in need of high-level expertise
- A Partner Organization Business Case, developed to outline project objectives, risks, and stakeholder success criteria, and ensure project value

Elevate fellows progress through the program in a cohort, giving them cross-disciplinary networking and peer-learning opportunities they might not have otherwise in their careers.

Over the two-year fellowship, Elevate fellows divide their time between their partner organization project and university-based research with their faculty supervisor.

**Funding Details:** $55,000 minimum annual stipend/salary (for fellowships awarded after April 1, 2018) Training curriculum valued at $7,500 per year
Canadian Institute for Advanced Research (CIFAR) Azrieli Global Scholars Program 2018

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

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

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

(*If you plan to apply, contact Tracy Arabski, Associate Director, HRS, at arabski@mcmaster.ca or ext. 22515*)

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

This Catalyst Grant competition is based on the findings of the CFN-funded Canadian Frailty Priority Setting Partnership study. This recently completed study used the James Lind Alliance (JLA) process to establish the top 10 citizen-identified frailty priorities for investigation. This Catalyst Grant competition will fund submissions that directly address one or more of the CFN top 10 priorities through either, research, knowledge translation, or quality improvement studies.

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

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

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

Funding Details: A maximum of $1,500,000 over up to 3 years per project
MITACS Canadian Science Policy Fellowship

In collaboration with Canada’s research and policy communities, Mitacs has established the Canadian Science Policy Fellowship. The first initiative of its kind in Canada, the fellowship is offered in partnership with the University of Ottawa’s Institute for Science, Society and Policy, Mitacs’ university partners, and the Government of Canada. Participating hosts for the fellowship include host offices from the Governments of Canada and British Columbia, respectively.

The fellowship aims to:

- Form mutually beneficial relationships between government decision makers and academic researchers in support of policy challenges in Canada
- Enhance science communication, collaboration, and policy capacity in government offices
- Develop a national network of expertise in science policy among academic researchers, which complements the existing public service
- Contribute to evidence-informed decision making in Canada’s public service
- Create a pool of expert public policy contributors across academia, government, not-for-profit organizations, and industry

Funding Details: Fellows receive remuneration that reflects their qualifications and is commensurate with comparable employment within the public service, typically in the range of $70,000–$80,000 per year.

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

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

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

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

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

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

Funding Details: Partnership Engage Grants are valued at $7,000 to $25,000 over one year.
Ontario-Jiangsu Industrial Research and Development Program (OJIRDP)

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

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

**Access:** Christena Pellegrini, Senior Advisor, Development, ROADS, can be contacted at pellegrc@mcmaster.ca or ext. 27207.

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

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

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

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

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

**Access:** Catherine Gill Pottruff or Serena Jennings, Senior Grants Advisors, HRS, can be contacted at gillc@mcmaster.ca or sjenn@mcmaster.ca respectively.

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**MITACS Accelerate Internship Opportunities**

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

**Funding Details:** Get a stipend/salary starting at $10,000 per four-month period.
The University of British Columbia Faculty of Medicine Call for Nominations: National Research Prizes

The University of British Columbia is currently seeking nominations for the following two research prizes:

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

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

PLEASE NOTE: Based on the prize guidelines for the 2018 Margolese Brain Disorders Prize, nominations must be for individuals external to the University of British Columbia.

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

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

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

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

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

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

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

Additional Details
Online System Opens: January 16, 2018
LOI Deadline: February 13, 2018 5pm (ET)
Internal HRS Deadline: May 2, 2018
Sponsor Deadline: May 16, 2018 5pm (ET)
Natural Sciences and Engineering Research Council of Canada (NSERC): Strategic Partnership Grants for Projects

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

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

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

Additional Details
Notify MILO of Intent to Apply: January 19, 2018
Sponsor LOI Deadline: February 1, 2018
Sponsor Deadline (By invite only): June 7, 2018
*To Apply, Contact Ryan Vieira, Research Contracts Advisor (Science and Engineering), MILO, at vieirara@mcmaster.ca or extension 22649*

MITACS Accelerate Fellowship

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

Funding Details:
- Master’s students - $40,000 total research award for 18 mos. Minimum intern stipend is $30,000 and partner organization contribution is $18,000
- PhD students - $80,000 total research award for 36 mos. Minimum intern stipend is $72,000 (24,000/year) and partner organization contribution is $36,000

Additional Details
Sponsor Deadline: Ongoing

Weston Brain Institute: Early Phase Clinical Trials: Canada

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

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

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

Additional Details
Sponsor Deadline: Ongoing
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

Additional Details
Sponsor Deadline: Ongoing

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

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

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

Additional Details
Sponsor Deadline: Ongoing

OCE Voucher for Innovation and Productivity (VIP I) Program

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

Funding Details: OCE will support up to 50% of the eligible research costs, to a maximum OCE investment of $20,000.

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

OCE Voucher for Innovation and Productivity II (VIP II) Program

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

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

Additional Details
Sponsor Deadline: Ongoing
*To Apply, Contact Bertha Monrose, Contracts Advisor, MILO at monrose@mcmaster.ca or extension 22416*
**TalentEdge Internship Program (TIP)**
Ontario’s TalentEdge Internship Program (TIP) provides support for current college and university students (specifically current graduate students and final year undergraduate students), and recent Masters graduates (within three years of graduation), to work on industry-driven research and development projects. Projects must have a clearly-defined R&D component, where R&D is defined by the discipline and is inclusive of all areas of specialization and disciplines. The TalentEdge Internship Program is open to students and recent graduates from across all disciplines, and all areas of specialization.

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

**Additional Details**

**Sponsor Deadline:** Ongoing

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

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

**Funding Details:** Each 12-month fellowship is valued at $85,000 as follows
- $35,000 contribution from OCE
- $25,000 company cash contribution
- $25,000 company in-kind contribution

**Additional Details**

**Sponsor Deadline:** Ongoing

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

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

**Funding Details:** Funding starts at $15,000

**Additional Details**

**Sponsor Deadline:** Ongoing

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

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

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

**Additional Details**

**Sponsor Deadline:** Ongoing

*To Apply, Contact Bertha Monrose, Contracts Advisor, MILO at monrose@mcmaster.ca or extension 22416*
Department of Defense Medical Research and Development Program (DMRDP) Accelerating Innovation in Military Medicine (AIMM) Research Award

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

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

Additional Details
LOI Deadline: January 26, 2018 (A pre-application is required and must be submitted through eBRAP)
Internal HRS Deadline: February 2, 2018
Sponsor Deadline: February 9, 2018