**News & Events**

**CIHR Project is DUE!**

In ResearchNet (RNet), be sure to choose *Institution Paid* as McMaster University in Application Details section so that you are always updated on any INTERNAL deadline requirements from McMaster.

The McMaster mandatory INTERNAL Application review deadline is **this Tuesday September 3 by 12:00 noon on RNet.**

*Remember: HRS Checklist (email to HRS anytime) is required for internal review and final Sep 11 approval and submission.*

**Access in-depth data free of charge to Make Your Impact on Childhood Cancer!**

Are you a researcher or do you know a researcher who may be interested in accessing in-depth data related to childhood cancer free of charge?

The Cancer in Young People in Canada (CYP-C) program of the Public Health Agency of Canada has recently released a new infographic on Canada.ca that may be of interest to you and/or your networks.

The new infographic provides an overview of how researchers can apply for and access in-depth data free of charge from the CYP-C program’s national surveillance and research database which contains detailed information about the diagnosis, treatment, and outcomes of every patient cared for by the 17 pediatric oncology centres in Canada from 2001 onwards.

If you have feedback or questions, please contact us at PHAC.chronic.publications-chronique.ASPC@canada.ca.

**CIHR will be hosting the following Information Session for students on awards in Health Research**

**English session**

*When:* Monday, September 9, 2019 at 11h00 AM ET

*Duration:* 60 minutes

[Register](#)

**French session**

*When:* Wednesday, September 11, 2019 at 11h00 AM ET

*Duration:* 60 minutes

[Register](#)

**CRC Tier 2 Positions in the Faculty of Health Sciences**

McMaster University is located on the traditional territories of the Haudenosaunee and Mississauga Nations and within the lands protected by the “Dish With One Spoon” wampum agreement. In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University has a vision to achieve creativity, innovation and excellence in teaching, research and service by engaging a diverse and highly talented educational community and embodying the values of integrity, respect and collaboration.

**Position Description:**

The Faculty of Health Sciences invites applications for an open competition for two Tier 2 CRCs in all fields of study within the faculty. Nominees for Tier 2 Chair positions should, at a minimum, be assistant or associate professors, or possess the
necessary qualifications to be appointed to these levels and must hold a full-time faculty appointment at McMaster University within the Faculty of Health Sciences. Individuals who have a firm offer of employment in one of these categories to the University that takes effect by January 1, 2020, are also eligible.

**Tier 2 Chairs**, tenable for five years and renewable once, are intended for exceptional emerging researchers (i.e., candidates must have been an active researcher in their field for fewer than 10 years at the time of nomination) and acknowledged by their peers as having the potential to lead in their field. Tier 2 nominees must:

- be excellent emerging world-class researchers who have demonstrated particular research creativity;
- have demonstrated the potential to achieve international recognition in their fields in the next five to ten years;
- as chairholders, have the potential to attract, develop and retain excellent trainees, students and future researchers; and
- be proposing an original, innovative research program of high quality.

Candidates who are more than 10 years from having earned their highest degree and who have had career breaks, such as maternity, parental, or extended sick leave, clinical training, etc., may have their eligibility for a Tier 2 Chair assessed through the program’s Tier 2 justification process. Please contact Tracy Arabski at arabski@mcmaster.ca for more information. Full program information, including further details on eligibility criteria, can be found at the Canada Research Chairs website at http://www.chairs-chaires.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx. All nominations for CRCs are subject to review and final approval by the CRC Secretariat.

**Commitment to Inclusive Excellence: Equity, Diversity and Inclusion Statement:**

The diversity of our community and our workforce is integral to and at the core of our innovation and creativity and strengthens our research, teaching and service excellence, as well as our broader learning environment. To achieve this vision for inclusive excellence, McMaster is committed to principles of equity and inclusion. McMaster invites applications from all qualified candidates and particularly welcomes applications from self-identified Indigenous (First Nations, Métis and Inuit) peoples, members of racialized communities (“visible minorities”), persons with disabilities, women and LGBTQ+ persons of marginalized sexual orientation and gender identities.

All qualified candidates are encouraged to apply; however, in accordance with Canadian Immigration requirements, Canadian citizens and permanent residents of Canada will be given priority.

**How to apply:**

The application and review process requires interested applicants to complete the “Application to be nominated for a Canada Research Chair” which reflects all criteria and indicators of success and include a most recent CV. The deadline for submission for this competition is September 30th, 2019. The Dean will have final approval of all recommendations regarding CRC allocations. A CRC review panel will review applications and successful applicants will be invited to complete a full application to CRC. Applicants will be notified of their success and the successful applicant will be asked to submit their CRC application based on the time of the expiry of the CRC as outlined below.

<table>
<thead>
<tr>
<th>Tier 2 CRC</th>
<th>Date of Internal Application to be nominated for a Tier 2 Canada Research Chair</th>
<th>Anticipated Date of Approval FHS Committee</th>
<th>Date of Application to CRC</th>
<th>Anticipated Date of Decision from CRC</th>
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<td>Two Tier 2 CRCs</td>
<td>September 30th, 2019</td>
<td>November 30th, 2019</td>
<td>April 20th, 2020</td>
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McMaster University recognizes the potential impact that career interruptions and personal circumstances (e.g., pregnancy, early childcare, eldercare, illness, etc.) can have on an applicant’s record of research achievement. We encourage applicants to explain in their applications the impact that career interruptions, or other issues may have had as described under “Career

Applicants should submit the application to be nominated for a CRC chair, cv, and a statement describing any contributions that the applicant may have made to advancing equity, diversity and inclusion in teaching, learning, research or service within post-secondary, community-based and other professional settings (2 pages maximum).

All applicants must also complete a brief Diversity Survey as part of the application process. This survey can be found at https://surveys.mcmaster.ca/limesurvey/index.php/77732?lang=en and will take approximately two minutes to complete. The questions are voluntary. All information collected is confidential and will be used to support efforts to broaden the diversity of the applicant pool and to promote a fair, equitable and inclusive talent acquisition process.

Job applicants requiring accommodation to participate in the hiring process should contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247) to communicate accommodation needs.

Queries should be addressed to Tracy Arabski, Director, Health Research Services at arabski@mcmaster.ca or ext. 22515.

New Frontiers in Research Fund

The New Frontiers in Research Fund programs will soon be launching two new competitions: (1) Exploration stream and (2) Transformation stream. Here is an overview of the two competitions.

1. Exploration stream

All competition documents are available on the program website and the Convergence Portal is open. New this year, researchers at all career stages are invited to apply to the program. The objective of the Exploration stream is to generate opportunities for to conduct high-risk, high-reward and interdisciplinary research not available through funding opportunities currently offered by the three agencies.

Application Deadlines:
Applications at each stage will be submitted by the RGO (HRS/ROADS depending on PI’s primary departmental affiliation):
- Letter of Intent to Apply (LOI) stage with a deadline of September 4th, 2019 (due to HRS at 12:00 noon eastern), and
- Application stage with a deadline of December 10th, 2019 (at 8:00 PM eastern).

2. Transformation stream

To be launched in October, this competition stream will support large-scale, Canadian-led interdisciplinary research projects that have the potential to bring about real and lasting change. The Canada Research Coordinating Committee (CRCC) has established the parameters of the Transformation stream, including the objectives, selection criteria and review process.

The 2019 competition that will take place following community consultations will see an investment of $144 million over six years, with individual awards of up to $4 million per year. More details to follow.

Introducing NSERC’s New Research Partnership Program now called Alliance Grants

NSERC has announced the launch of the new research partnerships program, now called Alliance Grants. This program will replace the CRD, Engage (and Engage Plus), IRC, Strategic Partnership (Projects and Networks), Experience and Connect grants.

Please note the following:
- NSERC will begin accepting new applications for Option 1 of this program (NSERC funds 50-66% of the project depending on the size of the partner) as of May 21st, 2019
- Option 2 (NSERC funds 90-100% of the project) will be phased in gradually
- All currently awarded projects will have no changes
If you have any questions regarding NSERC’s new Alliance grant, please contact:
Amber Metham
Associate Director, Research Contracts
McMaster Industry Liaison Office
metham@mcmaster.ca, ext. 26878

MILO will be preparing documents to assist researchers with applications to the new program and will be circulating those in the near future.

**2020-2021 Fulbright Canadian Research Chair Program**

Fulbright Scholars are selected for their academic merit, leadership potential and interest in engaging with international scholars and communities. These grants support research with colleagues at institutions across the US. For a full list of Fulbright opportunities see the link here: [https://www.fulbright.ca/programs/canadian-scholars/visiting-chairs-program](https://www.fulbright.ca/programs/canadian-scholars/visiting-chairs-program)

Eligibility for these awards, require the candidate to meet the minimum requirements mentioned below:

- Have Canadian citizenship (Permanent residence is not sufficient).
- Hold a PhD or equivalent professional/terminal degree as appropriate.
- Be proficient in English.
- Applications accepted until **November 15, 2019**
- For a more comprehensive overview of the application process, please access this link.

**Fulbright Canada Research Chair in Public Health** - Johns Hopkins University- US$25,000 for 4 months.

**Funding opportunities for southern Ontario organizations**

On February 27, 2019, over $1 billion was announced for FedDev Ontario to continue driving innovation and growth in the region over the next six years. FedDev Ontario is dedicating $100 million of this new funding to support projects in rural southern Ontario.

FedDev Ontario is now accepting applications under three simplified funding streams that are easy to navigate, and have been designed to meet the needs of our innovators, job creators and communities.

FedDev Ontario is looking for innovative projects in southern Ontario that will:

- Increase the number of high-growth firms.
- Strengthen key clusters and build on areas of regional innovation strength.
- Increase the commercialization of new and innovative technologies, products or processes.
- Increase business investments in the adoption/adaptation of leading-edge technologies.
- Create and maintain highly skilled jobs.
- Increase the value of exports.
- Promote inclusive growth and participation of traditionally underrepresented groups such as women, Indigenous and young entrepreneurs.
- Strengthen opportunities and networks to drive growth, and support the attraction and retention of businesses and talent to southern Ontario’s smaller communities and rural areas.

Applications can be submitted for:

- Non-repayable contributions from $250,000 up to $5 million per project for not-for-profit organizations.
- No interest, repayable contributions from $250,000 up to $5 million per project for incorporated businesses, including Indigenous businesses.

Explore our funding opportunities by clicking [here](#) and choosing one of three funding streams.
MITACS – leveraging partner funds to source funds for trainees

While the MITACS program has been around a long time, it has undergone some significant changes to both programs and structure, and it is an underutilized source for funding trainee experiences. Consider leverage your existing partnered funding to apply for added funds for trainee management, travel and collaborative programs. Ongoing applications, simplified submission procedures, and high success rates!

- Eligible partners include companies (anywhere in the world!) and not-for-profits (Canada)
- Get funding for projects big or small (4 months to 4 years or longer)
- Funding includes both stipends and research expenses

Connect with MITACS specialist Ryan Caldwell, rcaldwell@mitacs.ca located at McMaster Industry Liaison Office (MILO).
https://www.mitacs.ca/en/programs

MIRA 2019 Funding

TRAINEE FUNDING

MIRA Graduate Student Travel Awards

Deadlines to apply: September 6
Funding available: Up to 10 awards of $500

Graduate students travelling to collect data or to present research at an academic conference are eligible for up to $500 in travel funding from MIRA. For more details, click here; Download the application form here.

RESEARCH GRANTS

Canadian Longitudinal Study on Aging: Call for Proposals

2019 application deadlines: September 23

Funding available: MIRA can support access fees ($3,000) for up to 10 CLSA data applications

MIRA members are eligible for support in accessing CLSA data, a national database tracking 50,000 Canadians aged 45 to 85 over a period of 20 years. Data access applications are accepted three times per year. Researchers should notify Audrey Patocs by emailing her at patocsae@mcmaster.ca prior to applying for CLSA data access to be considered for MIRA funding. MIRA funds will be allocated only to projects that do not have any other funding for this purpose. More information

MIRA/LCMA Matching Funding for External, Competitive Funding Calls

Deadline: Rolling

Funding available: Matching funds up to $100,000

In order to improve the positioning of McMaster’s researchers in external funding competitions, MIRA and the Labarge Centre for Mobility in Aging have allocated funding that may be used to match or leverage external funds. This process is intended to be used for requests related to externally funded, peer-reviewed grant competitions that require a matching component. For more details, click here.

Compilation of GDPR Guidance Now Available

The Office for Human Research Protections has developed a new resource for IRBs, researchers, and sponsors that are involved in human subjects research in Europe. Titled Compilation of European GDPR Guidances, the document lists the data protection authorities of all European countries that fall under the new E.U. General Data Protection Directive (GDPR). For each country, the compilation also provides the links to any general GDPR guidances, as well as specific guidances on the topics of Research, Legal Basis, Consent, and International Data Transfer.

The new Compilation is available here:
https://www.hhs.gov/ohrp/international/index.html
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<tr>
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<td>Multiple Sclerosis Society of Canada: end MS Personnel Awards</td>
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## CIHR – Fellowship: Banting Postdoctoral

In 2010 the Government of Canada allocated $45 million over five (5) years to deliver the high-profile, prestigious Postdoctoral Fellowships Program.

The fellowship was named in memory of Sir Frederick Banting, the Canadian physician, researcher, Nobel laureate and war hero who, together with his assistant Dr. Charles Best, is credited with the discovery of insulin. The Banting Postdoctoral Fellowships program provides funding to the very best postdoctoral applicants, both nationally and internationally, who will positively contribute to the country’s economic, social and research-based growth. The program is jointly administered by Canada’s three federal granting agencies: the Canadian Institutes of Health Research (CIHR), the Natural Sciences and Engineering Research Council (NSERC) and the Social Sciences and Humanities Research Council (SSHRC). CIHR has been designated as the operational lead for the implementation of the program.

The Banting Postdoctoral Fellowships Program is distinguished from existing postdoctoral fellowships programs by its emphasis on the synergy between an applicant’s individual merit and potential to launch a successful research-intensive career, and the host institution’s commitment to the research program and environment with which the applicant is to be affiliated. As such, an applicant’s application to the Banting Postdoctoral Fellowships Program must be completed in full collaboration with the proposed host institution.

**Funding Details:** The maximum amount per award is $70,000 (taxable) per year, for up to two (2) years and a total of $140,000 per award. The funding is not renewable.

**Additional Details**

**Sponsor Deadline:** September 18, 2019

*To apply please contact Graduate Studies*

## CIHR – Planning and Dissemination Grants - Institute/Initiative Community Support

CIHR’s mandate is to excel, according to internationally accepted standards of scientific excellence, in the creation of new knowledge and its translation into improved health, more effective health services and products, and a strengthened health care system through a unique interdisciplinary structure made up of virtual Institutes and Initiatives. The Institutes and Initiatives are networks of researchers and stakeholders brought together to focus on important health problems, with each Institute/Initiative dedicated to a specific area of focus, linking and supporting researchers pursuing common goals.
One of the mechanisms for the Institutes/Initiatives to achieve their mandates is by offering planning and/or dissemination grants within the Institute Community Support (ICS) Program. The Planning and Dissemination Grants are intended to provide support for planning and/or dissemination activities consistent with the mandate of CIHR and relevant to CIHR Institutes, or Initiatives.

Events/activities may focus on, but are not limited to, the following:

Planning:
- Activities that assist potential teams of researchers, knowledge-users and/or partners in working together to identify research questions or emerging issues and priorities that could form the basis of a grant application
- Stakeholder consultations, including citizen engagement activities regarding needs, gaps and opportunities in the health research landscape, priority policy issues and/or priority research questions, where such common understanding is currently lacking or requires further development
- Initial planning and discussion of a research project among potential team members, including researchers, knowledge-users and/or partners to assess the viability of the research project and the partnership
- Conducting an environmental scan or preliminary synthesis of relevant literature, activities or programs
- Early-stage planning to determine possible commercial viability of a discovery
- Opportunities for knowledge exchange involving stakeholder linkages to inform practice, care, and/or policy that could potentially lead to an application to a funding opportunity
- Gatherings of partners, health researchers, and/or knowledge-users where the main objective is to facilitate regional/national and/or international collaboration among individuals or groups from a variety of backgrounds (ex., building new and existing multi-sectored partnerships that include a significant number of participants from outside the conventional scientific community, consensus meetings, networking and partnership development events) interested in applying to a funding opportunity

Dissemination:
- Education of groups, such as patients, health professionals, community organizations, policy makers, and the general public
- Knowledge dissemination that will inform practice, clinical care, partnership best practices, policy and decision making
- Dissemination and/or discussion of research findings at scientific meetings, workshops, conferences, congresses or symposia
- Development and dissemination of knowledge translation products and tools (e.g., written materials in various formats, plain language summaries, decision support tools, educational materials, and web sites)

CIHR encourages the inclusion and advancement of underrepresented groups in science as one of the means to enhance excellence in research, training and knowledge translation.

NOTE: This funding opportunity is not intended to support the direct cost of research (e.g., pilot projects, feasibility studies or operating grants), principal and co-investigator salaries or research equipment. Primary research or primary data collection will not be supported through this funding opportunity. Any activity that may be perceived as such should be justified (e.g., surveying individuals for the purpose of the project).

Funding Details: The maximum amount per grant varies by Institute/Initiative but will not exceed $65,000 and is for up to one (1) year. Please see the Sponsor Description of this funding opportunity for details on funding levels specific to each participating Institute/Initiative.

Additional Details
Internal HRS Deadline: September 11, 2019
Sponsor Deadline: September 25, 2019

CIHR – Operating Grant: Methamphetamine and Related Psychostimulant Use
The Canadian Drug and Substances Strategy (CDSS) is the Government of Canada's response to problematic substance use, providing an evidence-based approach to drug policy. In support of the CDSS, CIHR has launched a number of targeted funding opportunities in recent years to build the evidence base around specific substances and polysubstance use, and to rapidly deploy this knowledge to develop and implement practical policies and interventions. The current funding opportunity is focused on knowledge syntheses and implementation science approaches in the area of methamphetamine and/or related psychostimulant use more generally.

For the purposes of this funding opportunity, related psychostimulants refer to structurally or functionally related drugs that exhibit similar psychological and physiological effects to methamphetamine. These may include, but are not limited to, other forms of amphetamine (e.g., dextroamphetamine, 3,4-methylenedioxymethamphetamine [MDMA], etc.), and direct and indirect sympathomimetic psychostimulants (e.g., cocaine, methylphenidate, ephedrine, etc.). Excluded from this funding opportunity are nonsympathomimetic psychostimulants (e.g., caffeine, nicotine) and opioids, unless they are being examined in concert with eligible
psychostimulants. Applicants studying related psychostimulants (i.e., eligible psychostimulants other than methamphetamine) must provide a clear justification of the relevance of the proposed psychostimulant to the Objectives of this funding opportunity.

While concerns about methamphetamine use in Canada have been growing, there is a relative lack of high-quality data on the scale of the issue and its impacts on healthcare and the health service system. There are reports in some jurisdictions of increased possession rates and seizures in recent years (suggesting increased availability), and an increase in individuals accessing treatment or harm reduction services. As a result, potential increased methamphetamine and/or related psychostimulant use is of significant concern given the known health and social problems associated with methamphetamine use disorder (MUD), including mental health disorders, such as methamphetamine-induced psychotic disorder. The effect of increased methamphetamine and related psychostimulant use on health services and the overall healthcare system is poorly understood, but has the potential for significant resource impacts.

In order to lay the groundwork for successful interventions at all levels – including treatment, harm reduction, and at the levels of health service systems and health care policies – this funding opportunity will focus on data collection, knowledge syntheses and implementation science studies focused at any level, including community, organizational or municipal.

**Funding Details:** The maximum amount per grant is $ 100,000 per year for up to 1 year.

**Additional Details**

**LOI Deadline:** August 30, 2019  
**Internal HRS Deadline:** September 11, 2019  
**Sponsor Deadline:** September 25, 2019

**CIHR – Early Career Investigator Awards**

The 2019 Early Career Investigator Awards in Circulatory and Respiratory Health provide recipients with the opportunity to develop and demonstrate their independence in initiating and conducting research in CIHR mandate areas. These awards are designed to provide protected time for early-career investigators to undertake research by contributing to both salary and research allowances.

**Research Areas:** Funding is available to support projects that are determined to be relevant to the following specific research areas:

- The CIHR Institute of Circulatory and Respiratory Health (ICRH) and the Institute of Indigenous Peoples’ Health (IIPH) will provide funding to support *Indigenous Health Research in any of ICRH’s mandate areas.*
- ICRH in partnership with Canadian Blood Services (CBS) will provide funding to support transfusion science research relevant to both ICRH mandates and CBS Mission (See eligibility requirements and conditions of funding) across any of the CIHR research themes (biomedical, clinical, health services, or population health research).
- ICRH in partnership with Cystic Fibrosis Canada (CF Canada) will provide funding for cystic fibrosis research, across any of the CIHR research themes (biomedical, clinical, health services or population health research).
- The CIHR Institute of Infection and Immunity (III) will provide funding to support research integrating infection and immunity knowledge in the control and prevention of circulatory and respiratory diseases.
- ICRH will provide funding to support research relevant to any of ICRH’s mandates.

*Indigenous Health Research* is defined as any field or discipline related to health and/or wellness that is conducted by, grounded in or engaged with, First Nations, Inuit or Métis communities, societies or individuals and their wisdom, cultures, experiences or knowledge systems, as expressed in their dynamic forms, past and present.

**Funding Details:** The total amount available for this funding opportunity is $2,415,000, enough to fund approximately seven (7) awards. This amount may increase if additional funding partners participate. The maximum amount per award is $ 115,000 per year for up to three (3) years for a total of $345,000 per award. Of this $115,000, applicants may request:

- Salary contribution: up to a maximum of 40% or $46,000 per annum, including fringe benefits;
- Research Allowance: a minimum of 60% or $69,000 per annum.

Of this $2,415,000:

- $690,000 is available to fund 2 CIHR-ICRH/IIPH 2019 Early Career Investigator Awards relevant to both ICRH and IIPH mandates
- $690,000 is available to fund 2 CIHR-ICRH/CBS 2019 Early Career Investigator Awards in transfusion science research relevant to both ICRH mandates and CBS mission
- $345,000 is available to fund 1 CIHR-ICRH/CF Canada 2019 Early Career Investigator Award in Cystic Fibrosis Research
- $345,000 is available to fund 1 CIHR-ICRH/III 2019 Early Career Investigator Award for research intersecting both ICRH and III mandates
- $345,000 is available to fund 1 CIHR-ICRH 2019 Early Career Investigator Award relevant to ICRH’s mandates
CIHR – Travel Award: Institute Community Support

Through the Institute Community Support (ICS) Program, the CIHR Institutes and Initiatives are launching the ICS Travel Awards competition for students, postdoctoral fellows, early career investigators and knowledge users to present their own research at national and international meetings, workshops, and/or conferences.

This ICS Travel Awards competition will not support travel for research skills development or update, exchange programs or lectureships.

Note that each of the participating Institutes/Initiatives have their own relevant research areas, Eligibility Requirements and Funding Levels, which are outlined in the “Sponsor Description” section of this funding opportunity.

Funding Details: The maximum value of the ICS Travel Award varies by Institute/Initiative, but must be a minimum of $500 and will not exceed $2,800. Each award is for one (1) year. Please see the Sponsor Description section of this funding opportunity for details on funding levels specific to each participating Institute/Initiative.

CIHR – Fellowship

Fellowships provide support for highly qualified applicants in all areas of health research at the post-PhD degree or post-health professional degree stages to add to their experience by engaging in health research either in Canada or abroad.

Additional funds are available through this competition to support Fellowship award applications in the following specific research areas:

- Fellowship: Fall 2019 Priority Announcements (Specific Research Areas)

Funding Details: The maximum amount awarded for a single award is up to $60,000 per annum for up to 5 years. The value and duration of each award is determined by the degree(s) held, licensure (where applicable), location of tenure and experience of the applicant.

CIHR – Indigenous Gender and Wellness Development Grants

Gender plays an important, but often overlooked role in wellness. In the case of Indigenous Peoples in Canada (i.e., First Nations, Inuit and Métis), Indigenous concepts of gender have been negatively affected by colonization and the effects of gender on wellness has often been overlooked by research.

Gender can be defined as the socially constructed roles, behaviours, expressions and identities of women, men, girls, boys and gender-diverse people. Gender is culturally based and can change over time — both at the societal and individual levels. Gender can affect identities, choice of occupation and participation in ceremony and other cultural activities. The term gender often has different meanings for different people. For instance, here, we use the term gender broadly to include Indigenous concepts of Two-Spirit, which can cover Indigenous concepts of both gender and sexuality.

As with many other Indigenous traditions and knowledges, Indigenous concepts of gender have been negatively affected by Western views imposed through colonization. We want to know: What if we paid closer attention to gender in all its forms? Could we improve wellness among Indigenous Peoples?
This funding opportunity is the second phase of a larger initiative on the topic of Indigenous Gender and Wellness. The first phase supported individuals to attend an Idea Fair and Learning Circle event in June of 2019 through a travel award. At the Idea Fair, Indigenous individuals and allies shared ideas on Indigenous gender and wellness with supporters to work together in growing ideas into potential projects. This second phase is intended to support those who attended the Idea Fair to continue working on and sharing their ideas, enabling them to develop relationships and plan for the following phase of funding, which is being planned to provide teams with resources to implement their ideas through action-oriented, community-based participatory projects that will improve wellness for Indigenous peoples from a gendered perspective.

Activities/events for this funding opportunity may focus on, but are not limited to, the following areas:

**Planning:**
- Activities or gatherings that facilitate relationship building and collaboration between Indigenous individuals, communities, researchers, and/or organizations to form the relationships necessary to implement community-based projects aimed at improving the wellness of Indigenous people and communities from a gendered perspective
- Activities that assist potential teams in working together to identify research questions or emerging issues and priorities that could form the basis of an application for funding in the future
- Community engagement activities aimed at learning about needs, gaps and opportunities related to gender and Indigenous wellness, policy and/or research priorities, where such common understanding is currently lacking or requires further development
- Initial planning and discussion of a research project among potential team members, including Indigenous individuals, communities, researchers, and/or organizations to assess the viability of the research project and partnerships
- Conducting an environmental scan or preliminary synthesis of relevant literature, activities or programs
- Early-stage planning to determine possible viability of a community-based project

**Knowledge Sharing and Dissemination:**
- Activities to share knowledge and teachings to support the development of community-based projects
- Dissemination and/or discussion of research at community or scientific meetings
- Development and dissemination of knowledge and tools

**Funding Details:** The maximum amount per grant is $75,000 for up to one (1) year.

**Additional Details**

**Internal HRS Deadline:** September 17, 2019
**Sponsor Deadline:** October 1, 2019

**CIHR – Scientist Salary Award: Clinician Scientist**

The Clinician Scientist program has two phases: Phase 1 provided stipends for up to six years of training support and is no longer being launched. Phase 2 provides a contribution to the salary of the recipient for up to six years (initial three-year award followed by a possible three-year renewal award).

This opportunity provides funding for the Phase 2 component of the program and is designed to provide outstanding Clinician Scientists the opportunity to develop and demonstrate their independence in initiating and conducting health research through provision of a contribution to their salary.

Applications to this funding opportunity are restricted to recipients of Clinician Scientist awards (see Eligibility). It is the applicant’s responsibility to ensure that the renewal application is submitted at the appropriate time to avoid a gap in the funding period.

**Funding Details:** The maximum amount per award is $60,000 per year for up to three years, for a total of $180,000 per award.

**Additional Details**

**Internal HRS Deadline:** September 17, 2019
**Sponsor Deadline:** October 1, 2019

**CIHR – Chair: Sex & Gender Science**

The field of sex and gender science aims to deepen our understanding of how biological and social influences interact to affect health and disease. This emerging field is moving the needle from observational differences in disease and response to treatment towards elucidating the underlying mechanisms and environmental and social factors that cause them. Ultimately, the goal of sex and gender science is to advance the development of personalized treatments, interventions, policies and programs that respond to the unique needs of all individuals — across sex, gender and other intersecting identity factors.

The purpose of this funding opportunity is to support in-depth investigations in the field of sex and gender science by promoting a cadre of discipline-specific Chairs to increase visibility and drive innovation in their respective fields. The initiative will grow the
science across health research domains, fostering programs that examine the mechanisms underlying observed biological sex differences; supporting the development of methods and measures to study sex and gender; and encouraging comparative effectiveness research of gender-transformative interventions. The Chairs will investigate sex and/or gender as a primary research question within the investigator's field of research, while also building capacity and sharing findings within and outside of their research communities.

Funding Details: The total amount available for this funding opportunity is $13.3M, enough to fund approximately 19 Chairs. This amount may increase if additional funding partners participate. The maximum amount per chair is $175,000 per year for four years, for a total of $700,000 per Chair.

- $100,000 per year for research support
- $75,000 per year for capacity-building activities, including trainee support, mentoring, knowledge translation activities, etc.

Note: these funds are not intended to support data collection/knowledge creation.

Of this $13.3M:

- $700,000 is available to fund one application relevant to the Early/Mid-Career CIHR Sex and Gender Science Chair on the Dynamics of Caregiving in an Aging Society (Sponsored by IA)
- $700,000 is available to fund one application relevant to the Mid-Career CIHR Sex and Gender Science Chair in Circulatory and Respiratory Health (sponsored by ICRH)
- $700,000 is available to fund one application relevant to the Early/Mid-Career CIHR Sex and Gender Science Chair in Cancer Research (sponsored by ICR and IGH)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in Genetics (Sponsored by IG and IGH)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in Health Services and Policy Research (Sponsored by IHSPR) (Updated: 2019-06-05)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in Indigenous Peoples’ Health (Sponsored by IIPH)
- $700,000 is available to fund one application relevant to the Mid-Career CIHR Sex and Gender Science Chair in Infection and Immunity (Sponsored by III) (Updated: 2019-06-05)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in Musculoskeletal Health and Arthritis (Sponsored by IMHA)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in Neurosciences, Mental Health and Addiction (Sponsored by INMHA and IGH)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in Diabetes (Sponsored by INMD and IGH)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in Healthy Cities (Sponsored by IPPH on behalf of the Healthy Cities Research Initiative))
- $2,100,000 is available to fund up to three applications relevant to the mandate of the Institute of Gender and Health (Sponsored by IGH)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in LGBTQI2S Wellness and Resilience (Sponsored by IGH)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in Clinical Applications of Sex Hormones (Sponsored by IGH)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in Stem Cell Research (Sponsored by IGH)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair for Studying Sex as a Biological Variable (Sponsored by IGH)
- $700,000 is available to fund one application relevant to the CIHR Sex and Gender Science Chair in Gender Methods and Measures (Sponsored by IGH)

Additional Details

Internal HRS Deadline: September 24, 2019
Sponsor Deadline: October 8, 2019

CIHR – Team Grant: Partnerships for Cannabis Policy Evaluation

The Partnerships for Cannabis Policy Evaluation program is part of CIHR's Integrated Cannabis Research Strategy (ICRS). The ICRS is a CIHR-led, multi-federal department, multi-organization and trans-disciplinary initiative that seeks to support research to increase cannabis health research capacity, to maximize benefits and understand harms for Canadians, to inform the healthcare system and
to provide timely evidence for policy makers. This initiative integrates CIHR’s commitment to Indigenous Peoples’ health and wellbeing, Sex and Gender Based Analysis Plus (SBGA+), Knowledge Translation and the responsible and effective management of health research data.

The Cannabis Act came into force on October 17, 2018, legalizing non-medical cannabis products, including fresh and dried cannabis, and cannabis oils. Other products, such as edible products and concentrates, are expected to be legal for sale in Fall 2019. Provinces and territories are responsible for determining how cannabis is distributed and sold within their jurisdictions. Provinces and territories have variable policies related to minimum age, possession limits, restricting where cannabis may be used in public and setting additional requirements on personal cultivation, among others. For more information on cannabis policies, consult CCSA’s interactive map of provincial and territorial regulations.

Cannabis-related policies across jurisdictions have the potential to impact the health of Canadians. Robust, coordinated evaluation is required to monitor the health impacts of these policies, both positive and negative, so that policies can be adapted in near–real time to maximize benefits and minimize harms for Canadians. This evaluation research will also inform aspects of the mandated review of the Cannabis Act, required three years after coming into force.

The Partnerships for Cannabis Policy Evaluation program aims to create the opportunity for collaborative, applied and policy-relevant research to evaluate different provincial or territorial policies related to cannabis, including policies affecting Indigenous Peoples (First Nations, Inuit and Métis). The program will support researchers embedded directly within provincial or territorial governments, and/or Indigenous communities*, to evaluate policies that have been put into place related to cannabis that may impact the health of Canadians. This funding opportunity will support projects to evaluate the implementation and impact of cannabis-related policies, toward the identification of best practices from both public health and public safety perspectives.

The Partnerships for Cannabis Policy Evaluation program uses an integrated knowledge translation approach. Integrated knowledge translation is a way of approaching research where researchers and decision makers work together throughout the research process, including setting the research questions, selecting the methodology, developing tools, collecting data and interpreting and disseminating the findings. Because they participate throughout the research process, the research results are more likely to be relevant to and used by decision makers.

This program relies on the participation of partners to promote effective knowledge translation. Teams are required to bring in an in-kind contribution corresponding to a minimum of 20% of their total budget from external partners (i.e., non-CIHR or CCSA partners). Successful applicants will collaborate with a knowledge mobilization hub and a data coordinating office (see Guidelines). Applicants must propose a knowledge translation plan and demonstrate how they will incorporate open science practices in their research program.

CCSA, in partnership with CIHR, will act as the Partnerships for Cannabis Policy Evaluation program’s Knowledge Mobilization (KMb) Hub. The KMb Hub will coordinate communications, support the development of new partnerships, convene workshops and facilitate knowledge translation and mobilization across the embedded researcher/decision-maker teams, as well as to broader communities of relevant stakeholders. By linking teams through a KMb Hub, it will be possible to accelerate knowledge dissemination and enable the potential for scale and spread of successful cannabis-related policies.

To ensure data interoperability, harmonization and sharing, a data coordinating office will be developed as a second step for this program. The data coordinating office will be funded through a separate funding opportunity, following the program strengthening workshop and will be only open to successful grantees of the Partnerships for Cannabis Policy Evaluation program. One goal of the program strengthening workshop will be to agree on common core measures that all teams will collect in order to ensure data interoperability across projects/settings and to suggest best practices for data sharing and harmonization activities to be managed by the data coordinating office. The dedicated data integration methodological specialist on each research team will be expected to participate in the activities of data coordinating office. Further details will be provided in the subsequent funding opportunity (for research involving Indigenous Peoples, the rights of Indigenous Peoples and Indigenous self-determination and self-governance, such as following the Principles of OCAP® [i.e., ownership, control, access and possession] will be respected). (Updated: 2019-06-11)

*Indigenous communities are broadly defined as individuals, groups and organizations, and populations who self-identify as Indigenous, living and working anywhere in Canada, including urban centres.

Funding Details: The total amount available for this funding opportunity is $4,950,000, enough to fund approximately eleven (11) grants. This amount may increase if additional funding is secured and/or if additional funding partners participate. The maximum amount per grant is $150,000 per year for up to three years, for a total of $450,000 per grant. Of this $4,950,000:

- $4,500,000 (10 grants) is for Provincial/Territorial jurisdictions (funded by CCSA).
In order to ensure a regional spread of funded projects, CCSA will first fund the highest ranked application in each participating province/territory (each province/territory being considered as a funding pool) and then the best applications in overall rank order (from any participating province/territory).

$450,000 (1 grant) is for Indigenous Peoples’ Health funding pool (funded by IIPH and INMHA).

CIHR will determine the Province/Territory funding pool of an application according to the location of the NPI’s institution, with the exception that NPIs who complete the attachment describing how they meet the Indigenous Peoples’ Health Pool requirement will be considered for this pool. An application will be considered for a single funding pool. Applicants must secure in-kind contributions from provincial/territorial partners or Indigenous community partners, other than CIHR or CCSA, to match the CIHR or CCSA contribution at a minimum of 20% of their total grant budget. Additional funds will be provided to establish and support a data coordination office. Details on this subsequent funding opportunity will be provided to successful applicants at a later date (see Guidelines).

Additional Details
LOI Deadline: September 10, 2019
Internal HRS Deadline: September 24, 2019
Sponsor Deadline: October 8, 2019

CIHR – Operating Grant: Data Analysis Using Existing Databases and Cohorts

CIHR and other funding agencies have invested heavily in the establishment of cohorts, databases, cohort catalogues, and data platforms. As a result, many high-quality data sets exist containing information on populations, health systems, patient information, and biospecimens. These data sets contain a wealth of information and have the potential to answer research questions that go beyond those for which the data were originally collected or for which the data has been used to date. There is also the potential to link diverse datasets, thus enabling explorations of novel associations and interactions between human, environmental, and clinical factors. Analyses using these existing resources are also a cost-effective way to provide high quality and timely evidence to improve patient outcomes and for population and public health decision making.

The intent of this funding opportunity is to highlight and encourage use for research of previously funded cohorts, administrative and survey data to inform improved patient, population and system outcomes. Examples of such data sources include but are not limited to:

- Large, well-established cohorts include (but are not limited to) the Canadian Partnership for Tomorrow Project (CPTP), the European Prospective Investigation into Cancer and Nutrition (EPIC) study, the Maternal-Infant Research on Environmental Chemicals (MIREC) study, and the Canadian Healthy Infant Longitudinal Development (CHILD) study.
- Cohort catalogues that bring together datasets from multiple sources include the Research Advancement through Cohort Cataloguing and Harmonization (ReACH) initiative and the Canadian Institute of Health Information (CIHI) Dynamic Cohort of Complex, High System Users.
- Data platforms that allow access to and/or linkage of multiple datasets include the Canadian Urban Environmental Health Research Consortium (CANUE) and the Canadian Research Data Centre Network (CRDCN), which allows access to Statistics Canada data and Canada Mortgage and Housing Corporation data related to housing.

This funding opportunity will support research that uses existing cohort data, administrative datasets, surveys, registries, cohort catalogues, and data platforms that link or allow access to datasets from multiple sources within three funding pools: cancer prevention and control; healthy cities intervention research; and reproductive, maternal, child, and youth health.

**Funding Details:** The total amount available for this funding opportunity is $1,975,000, enough to fund approximately twenty-three (23) grants. This amount may increase if additional funding partners participate. Of this $1,975,000:

- $1,000,000 is available to fund up to ten (10) one (1) year grants relevant to the Cancer Prevention and Control pool. The maximum amount per grant is up to $100,000 (up to a maximum of $25,000 may be directed towards biospecimen analysis).
- $525,000 is available to fund up to seven (7) one (1) year grants relevant to the Healthy Cities Intervention Research pool. The maximum amount per grant is up to $75,000.
- $450,000 is available to fund up to six (6) one (1) year grants relevant to the Reproductive, Maternal, Child, and Youth Health pool. The maximum amount per grant is up to $75,000 (up to a maximum of $25,000 may be directed towards biospecimen analysis).

Additional Details
LOI Deadline: September 5, 2019
Internal HRS Deadline: September 26, 2019
Sponsor Deadline: October 10, 2019
CIHR – Operating Grant: Spread and Scale of Existing Community-Based Primary Healthcare and eHealth Innovations

Since 2010, CIHR has invested over $584M in research projects in the areas of community-based primary health care (CBPHC) and eHealth. Throughout this timeframe, the Institute of Health Services and Policy Research (IHSPR), in partnership with several other CIHR Institutes, led two major initiatives in these areas, namely, Community-Based Primary Health Care and eHealth Innovations. Both of these initiatives had flagship programs that centered on improving health outcomes and care delivery through the development and evaluation of models of care and/or eHealth innovations.

The Institute of Health Services and Policy Research is dedicated to supporting innovative research and catalyzing the application of these research findings to policies, practice and programs that provide real-world benefit and enhance the provision of high-quality care for Canadians. However, very often funded projects and programs are implemented successfully in one jurisdiction without attention to the possibility of scaling and spreading beyond.

The goal of this funding opportunity is to support research teams to develop strategies on how to successfully adapt approaches and/or interventions that are known to improve the health of Canadians to new sites, settings, and/or populations.

Research teams will use the funds to develop a clearly articulated plan to equitably scale and spread the successful approaches or interventions to new sites, new settings, or new populations. The spread plan must describe the successful approach or intervention and the expected improvements in health outcomes. The spread plan must also describe the current setting where the innovation is successfully implemented, the factors that contributed towards success, including key stakeholders involved, along with a description of the new site, setting, or population where the innovation will be implemented, the key stakeholders that will need to be involved, and address how contextual factors may differ between the two. Furthermore, the strategy should identify any implementation facilitators and barriers and note the approaches that will be used to overcome any encountered obstacles. Teams must also work towards developing an evaluation plan that would be used to assess the implementation and impact of the approach or intervention.

In order to accelerate the spread and scale of successful approaches and interventions, researchers must collaborate with decision makers who have the capacity to move knowledge into action in terms of implementing the approach or intervention to a new site or new setting, or to a new population.

Funding Details: The maximum amount per grant is $70,000 per year for up one (1) year.

Additional Details

Internal HRS Deadline: October 8, 2019
Sponsor Deadline: October 22, 2019

CIHR – Prize: The CIHR Institute of Human Development, Child and Youth Health Talks

The CIHR Institute of Human Development, Child and Youth Health (IHDCYH) is launching its sixth round of the IHDCYH Talks Video Competition, a unique opportunity to submit short videos (5 minutes or less) sharing evidence-based messages in the area of maternal, reproductive, child and youth health. This competition encourages the production of videos that present a clear evidence-based message to a lay audience that is designed to have a positive impact on the health of children, youth and families.

This competition is soliciting videos not just from members of the research community, but also more widely, from non-governmental or not-for-profit organizations (including community or charitable organizations), as well as members of the general public who are able to demonstrate a clear, evidence-based message related to IHDCYH’s mandate.

Successful videos will be posted on CIHR and IHDCYH social media and shared through other communications channels. It is important that the content be engaging, easily understood and accessible to a lay audience. For information on the IHDCYH Talks program, and to view the videos from past competition winners, see the IHDCYH Talks webpage.

Funding Details: The total amount available for this funding opportunity is $ 5,500, enough to fund four prizes. Of this $ 5,500:

- $3,000 is available to fund 1 first place prize
- $1,000 is available to fund 1 runner-up prize
- $1,500 is available to fund 2 specially commended prizes of $750 each.

Additional Details

Internal HRS Deadline: October 1, 2019
Sponsor Deadline: October 15, 2019

CIHR – Catalyst Grant: Addressing Musculoskeletal Conditions and Arthritis in Canadians
Painful musculoskeletal (MSK) conditions (defined broadly to include all forms of arthritis, tendinopathy and ligamentous conditions for the purposes of this funding opportunity) affect about 11 million Canadians annually over the age of 12 and the conditions are projected to affect 15 million Canadians by 2031. These conditions are the single biggest cause of physical disability in developed countries. Globally, about one-third of people live with a chronically painful MSK condition. These painful chronic conditions impair quality of life and reduce physical function. This often compromises mental health and increases risk of developing other chronic health conditions.

The economic burden of MSK conditions can be framed largely by their impact on the Canadian labour force and health care system. The estimated direct and indirect economic burden of MSK conditions was the highest of any group of diseases in a Public Health Agency of Canada (PHAC) report. Musculoskeletal conditions cost the Canadian economy upwards of $22 billion each year; injuries/trauma cost an additional $15 billion annually.

The “Catalyst Grant: Addressing Musculoskeletal Conditions and Arthritis in Canadians” is targeting four (4) areas CIHR-IMHA has identified as areas of health research need: Canadians with joint replacements, musculoskeletal conditions and arthritis in the Canadian Military Services, Canadians with back and/or neck pain, and Canadians with musculoskeletal trauma. This funding opportunity will encourage new and established investigators to address these concerns to improve the health of Canadians. It is expected that this investment will enable researchers to generate preliminary observations, data, or knowledge where these is a substantial burden of disease in musculoskeletal conditions and arthritis.

**Funding Details:** The maximum amount per grant is $100,000 per year for up to one (1) year.

**Additional Details**

**Internal HRS Deadline:** October 3, 2019  
**Sponsor Deadline:** October 17, 2019

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**CIHR – Catalyst Grant: HIV/AIDS and STBBI Community-Based Research**

The **CIHR HIV/AIDS Community-Based Research (CBR) Program** is one of four research funding areas of the [CIHR HIV/AIDS Research Initiative](https://www.cihr-irsc.gc.ca/e/40570.html). The CIHR HIV/AIDS Research Initiative is responsible for the research components of the major Government of Canada initiative in HIV/AIDS, namely the [Federal Initiative to Address HIV/AIDS in Canada (FI)](https://www.hivcan-aidshiv.ca/).

The FI is leading efforts towards implementing interventions developed with distinct communities and the CIHR CBR Program aligns with these directions. With the release of the [Pan-Canadian Sexually Transmitted and Blood-Borne Infections (STBBI) Framework for Action](https://www.hivcan-aidshiv.ca/en/programs/cbr/catalyst_grants), the FI will expand its scope to promote an integrated approach toward addressing HIV and other STBBI. HIV and other STBBI share common risk factors and transmission routes; are exacerbated by the social, structural, economic and environmental contexts and experience of inequity; and interact with each other to negatively impact disease trajectories and enhance vulnerability. Given the synergies that exist between HIV and other STBBI, the HIV/AIDS research initiative strongly encourages the incorporation of an integrated approach to addressing HIV and other STBBI, while recognizing that infection-specific approaches are still appropriate in certain circumstances or communities. In addition, the HIV/AIDS research initiative strongly emphasizes the importance of meaningful engagement of those with lived/living experience to guide the research processes to better inform research methods and outcomes, which is in keeping with the objectives of the CBR Catalyst Grants.

The CIHR HIV/AIDS CBR Program supports the partnered work of Community Leaders and Researchers in knowledge development and capacity-building initiatives of relevance to communities engaged in the fight against HIV/AIDS. The CIHR HIV/AIDS CBR Program encourages incorporation of other STBBI into the research framework, but will fund project for which HIV/AIDS remain the main focus. All opportunities offered through the CBR Program are available in two distinct funding streams: Indigenous and General.

The aim of the Catalyst Grant component of the CBR program is to provide seed money to support HIV/AIDS CBR research activities which represent a first step towards the pursuit of more comprehensive funding opportunities (e.g., operating grants).

**Funding Details:** The maximum amount per grant is $40,000 for up to one year. Of this $480,000:

- $240,000 is available to fund six applications relevant to the General Stream.
- $240,000 is available to fund six applications relevant to the Indigenous Stream.
- Note that should a stream run out of fundable applications but have funds remaining, these funds can be transferred to the other stream.

**Additional Details**

**Internal HRS Deadline:** October 3, 2019  
**Sponsor Deadline:** October 17, 2019

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**CIHR – Doctoral Research Award: Doctoral Foreign Study Award**
The Doctoral Foreign Study Award (DFSA) program supports high-calibre students engaged in doctoral programs in all academic disciplines who are pursuing a doctoral degree in a health-related field abroad.

**Funding Details:** The maximum amount per award is $35,000 per year for up to three (3) years. Award funding is allocated as follows:

- **Stipend:** $30,000 per annum
- **Research Allowance:** $5,000 per annum

**Additional Details**

**Sponsor Deadline:** October 17, 2019

*To apply please contact Graduate Studies*

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**CIHR – Operating Grant: HIV/AIDS and STBBI Community-Based Research**


The FI is leading efforts towards implementing interventions developed with distinct communities and the CIHR CBR Program aligns with these directions. With the release of the [Pan-Canadian Sexually Transmitted and Blood-Borne Infections (STBBI) Framework for Action](https://www.hivcan.gc.ca), FI will expand its scope to promote an integrated approach toward addressing HIV and other STBBI. HIV and other STBBI share common risk factors and transmission routes; are exacerbated by the social, structural, economic and environmental contexts and experience of inequity; and interact with each other to negatively impact disease trajectories and enhance vulnerability. Given the synergies that exist between HIV and other STBBI, the HIV/AIDS research initiative strongly encourages the incorporation of an integrated approach to addressing HIV and other STBBI, while recognizing that infection-specific approaches are still appropriate in certain circumstances or communities. In addition, the HIV/AIDS research initiative strongly emphasizes the importance of meaningful engagement of those with lived/living experience to guide the research processes to better inform research methods and outcomes, which is in keeping with the objectives of the CBR Operating Grants.

The CIHR HIV/AIDS CBR Program supports the partnered work of Community Leaders and Researchers in knowledge development and capacity-building initiatives of relevance to communities engaged in the fight against HIV/AIDS. The CIHR HIV/AIDS CBR Program encourages incorporation of other STBBI into the research framework, but will fund projects for which HIV/AIDS remain the main focus. All opportunities offered through the CBR Program are available in two distinct funding pools: Indigenous and General.

The aim of the Operating Grant component of the CBR Program is to contribute to the creation, dissemination and use of health-related knowledge, and to help develop research capacity, by supporting original, high-quality projects proposed and conducted in partnership with the community and academia.

**Funding Details:** The maximum amount per grant is $150,000 per year for up to three years for a total of $450,000, per grant. Of this $1,800,000:

- $900,000 is available to fund two applications relevant to the General Stream.
- $900,000 is available to fund two applications relevant to the Indigenous Stream.
- Note that should a stream run out of fundable applications but have funds remaining, these funds can be transferred to the other stream.

**Additional Details**

**Internal HRS Deadline:** October 3, 2019

**Sponsor Deadline:** October 17, 2019

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**CIHR – Operating Grant: Patient-Oriented Research Impact Assessment Grants**

The [Strategy for Patient-Oriented Research (SPOR)](https://www.hivcan.gc.ca) is a national coalition of federal, provincial and territorial partners (patients and informal caregivers, provincial health authorities, academic health centres, charities, philanthropic organizations, private sector, etc.) dedicated to the integration of research into care.

Patient-oriented research refers to a continuum of research that engages patients as partners, focusses on patient-identified priorities and improves patient outcomes. This research, conducted by multidisciplinary teams in partnership with relevant stakeholders, aims to apply the knowledge generated to improve healthcare systems and practices.

While patient-oriented research is considered a relatively recent culture shift, many countries, including Canada, have been making investments in this approach to health research for a number of years. SPOR, as one example, represents a large collective endeavor by many stakeholders and carries great expectation for return on investment.
Such returns refer to health, social and/or economic benefits or impacts. ‘Health impacts’ can be defined as changes in the healthy functioning of individuals (physical, psychological, and social aspects of their health), changes to health services, or changes to the broader determinants of health. ‘Social impacts’ are changes that are broader than simply those to health noted above, and include changes to working systems, ethical understanding of health interventions, or population interactions. ‘Economic impacts’ can be regarded as the benefits from commercialization, the net monetary value of improved health, and the benefits from performing health research (Académie canadienne des sciences de la santé, 2011).

The Patient-Oriented Research Impact Assessment Grants aim to build capacity in Canada to conduct patient-oriented research impact assessments and to generate evidence of the impact of patient-oriented research to date. Impact assessment methods should seek to capture the wide diversity of health, social and economic impact, including better-informed public policy and decision making. Applicants are encouraged to reference the guidance and data sources outlined in the Additional Information section below.

Funding Details: The maximum amount per grant is $50,000 per year for up to one year. Applicants are not required to secure partner contributions to match the CIHR contribution.

Additional Details
Internal HRS Deadline: October 8, 2019
Sponsor Deadline: October 22, 2019

CIHR – Operating Grant: Women’s Health Clinical Mentorship Grant
The purpose of this funding opportunity is to advance clinical research in women’s health and to build capacity in the next generation of women’s health clinician-researchers. The aim is for trainees, students or residents to be paired with and mentored by a women’s health clinician-specialist on a one-year research project with the goal of improving clinical care.

The research question(s) must:
- focus on the health of women. For the purpose of this grant, women is a term used to include biological females AND any other individuals who identify as women; and
- focus on one or more of the following research areas:
  - Menarche and/or menopause;
  - Gynecology;
  - Pelvic health/urogynecology;
  - Off-label testosterone treatment for women experiencing hypoactive sexual desire; and/or
  - Cross-hormone replacement therapies for individuals undergoing gender-affirming treatments.

Funding Details: The maximum amount per grant is $50,000 for one (1) year.

Additional Details
Internal HRS Deadline: October 8, 2019
Sponsor Deadline: October 22, 2019

CIHR – Operating Grant: Pediatric REB Initiative
Investigators developing multi-site research studies in Canada often encounter challenges with gaining the Research Ethics Board (REB) approvals required, in particular where such studies are planned across more than one province. This can delay initiation of multi-jurisdictional research studies in Canada, increase the financial burden of conducting research, and compromise accrual of patients. Such delays in the overall initiation of research studies reduce the ability of Canadians to compete in the international arena and may ultimately lead some sponsors to conduct research outside of Canada.

These challenges are particularly acute in pediatric studies, where small sample sizes/patient populations at individual institutions exponentially increase the need for studies to be multi-site and multi-jurisdictional. This is especially true for inherited/rare diseases. Pediatric studies also have unique challenges around considerations such as consent vs. assent and privacy. However, the pediatric community offers a significant advantage in this situation, representing a well-defined community, with significant awareness of the key issues and a strong cross section of the relevant expertise.

In response to these challenges and assets, the CIHR Institute of Human Development, Child and Youth Health (CIHR-IHDCYH) and the CIHR Institute of Genetics (CIHR-IG) are developing an initiative to promote child health research through a collaborative approach to a streamlined ethics review. During the early development of this initiative (October to December 2018), CIHR-IHDCYH conducted a series of consultations with research leadership and ethics experts from across the Canadian tertiary Children’s hospitals and research institutes, as well as with government representatives in provinces where the mandate for research ethics review is held at that level. CIHR-IHDCYH then hosted a Community & Stakeholder Engagement Workshop in January 2019 to bring together the research and administrative leadership, and ethics experts identified during the consultations. More than 50
delegates attended this workshop, with balanced representation from the research, administrative and ethics domains of each of the Children’s hospitals and research institutes across Canada, as well as Health Canada and provincial government representatives.

Through the discussion and subsequent collaborative review of the resulting workshop report, key concepts were identified as essential underpinnings of the process to work toward a streamlined ethics review process with the goal of achieving a single review accepted by all participating sites:

- The process should be designed to support progression towards delegation of acceptance of a review, in a predictable and timely manner that nonetheless retains a high standard of rigor.
- To support this process, the ethics review should be separated to the greatest extent possible from the other parts of the approval and authorization process, including operational, science, and contractual pieces.
- Successful establishment and uptake will require a collaborative process that engages with groups according to their states of readiness, that is mindful of differences in provincial process and needs, and that supports the development of trust between REBs.
- Engagement will need to be broad to ensure that all relevant stakeholders are involved, including ethics and jurisdictional legal expertise, and expertise in REB process, as well as research and administrative leadership. This will support both the development of the delegated process, as well as processes to address emerging areas such as regulatory requirements for innovative therapies (including trial designs), genomic medicine and multi-source data integration.
- The development of a platform with a single point of contact would likely achieve the goal of a streamlined ethics review process. For instance, the platform would support socialization of standardized practices.
- A key element underpinning the successful socialization of the research support infrastructure would be the development of education pieces for both the researchers developing REB applications, and for REB Chairs/Members.

The development of research support infrastructure that incorporates these key concepts will provide an invaluable opportunity for pediatric research in Canada. It is anticipated that this will be a pilot initiative that will be scalable to support other research areas and could underpin a key piece of research support infrastructure to enable health research in Canada.

**Funding Details:** The total amount available for this funding opportunity is $2,500,000, enough to fund one grant. The maximum amount for this grant is $500,000 per year for up to five years for a maximum total of $2,500,000.

**Additional Details**

**Internal HRS Deadline:** October 31, 2019

**Sponsor Deadline:** November 14, 2019

**CIHR – Fellowship: Patient-Oriented Research Awards – Transition to Leadership Stream – Phase 1**

The [Strategy for Patient-Oriented Research (SPOR)](https://www.cihr-irsc.gc.ca) is a national coalition of federal, provincial and territorial partners (patients and informal caregivers, provincial health authorities, academic health centres, charities, philanthropic organizations, private sector, etc.) dedicated to the integration of research into care.

Patient-oriented research refers to a continuum of research that engages patients as partners, focusses on patient-identified priorities and improves patient outcomes. This research, conducted by multidisciplinary teams in partnership with relevant stakeholders, aims to apply the knowledge generated to improve healthcare systems and practices.

**Funding Details:** The total amount available for this funding opportunity is $4,650,000, enough to fund approximately twenty (20) awards. This amount may increase if additional funding partners participate.

Of this $4,650,000:
- $3,487,500 is available to fund up to fifteen (15) awards in the Transition to Leadership General Pool.
- $1,162,500 is available to fund up to five (5) awards relevant to the Indigenous Peoples’ Health Pool.
- The maximum amount per year for trainees pursuing graduate training is $55,000, for two to three years*.

Of this $55,000:
- Stipend: $50,000 per annum
- Research allowance: $5,000 per annum

Of this $77,500:
- Stipend: $70,000 per annum
- Research allowance: $7,500 per annum
• Phase 1 does NOT require 1:1 matching of CIHR funds; however, applicants should note that Phase 2 will require 1:1 matching contributions from partners.

* During the application process, the Nominated Principal Applicant will be required to choose a fixed duration for each Phase of their six-year award. Applicants will no longer be able to adjust the duration once it has been chosen. (For example, an applicant may choose to spend three years as a trainee in Phase 1 and three years as an independent researcher in Phase 2; alternatively, an applicant may choose to spend only two years in Phase 1 and have four years of funding in Phase 2**.
** The amount of funding per Phase 2 award is $115,000 per annum and requires 1:1 matching contributions from partners.

Additional Details
Internal HRS Deadline: October 31, 2019
Sponsor Deadline: November 14, 2019

CIHR – Doctoral Research Award: Frederick Banting and Charles Best Canada Graduate Scholarships Doctoral Award
The Canada Graduate Scholarship Doctoral (CGS D) program supports high-calibre students engaged in doctoral programs in all academic disciplines. This support allows scholars to fully concentrate on their doctoral studies, to seek out the best research mentors in their chosen fields and contribute to the Canadian research ecosystem during and beyond the tenure of their awards.

For detailed information, visit the harmonized CGS D program page.

Funding Details: The maximum amount per award is $35,000 per year for up to three (3) years. Award funding is allocated as follows:
• Stipend: $30,000 per annum
• Research Allowance: $5,000 per annum

Additional Details
Sponsor Deadline: November 21, 2019
*To apply please contact Graduate Studies

CIHR – Team Grant: Personalized Health
Building on previous investments, the Personalized Health initiative is focused on creating targeted and tailored interventions with high therapeutic effectiveness that requires an unmatched degree of participation by the patient. It will shift the nature of the patient’s relationship with health-care professionals and will increase the patient’s ability to understand their choices and make informed decisions. Patient autonomy can be enhanced by giving patients access to their own data, tools to better understand their options, and involving them in the decision-making process related to their health care. To achieve this level of personalized health, Canadian data assets (including clinical, genomic, administrative, and social data) must be linked and harmonized to create richer phenotypes, and to accelerate and facilitate personalized treatment that factor in sex (biological factors) and gender (psychosocial factors). The creation of both predictive analytic models that can stratify patients by expected outcome and risk, and the eHealth delivery platforms required for patients and providers to interpret and use the data, will lead to improved real-time, personalized, health care. Overall, this innovative model has the potential to leverage patient data to make predictions in health systems that can directly inform and empower patients, as well as to facilitate and improve care delivery.

There have been major innovations, and there are early signs of implementation in certain areas, but overall implementation of personalized health is still in its infancy. This initiative aims to maximize and leverage previous collaborative investments by driving evidence-based implementation of personalized health innovations to contribute to more cost-effective and sustainable health care. In order to do this, teams may partner with an existing publicly funded health-care delivery organization that has the technological resources and organizational infrastructure needed to implement personalized eHealth demonstration projects. Each team must capture and/or develop methods to capture various sources of patient data (e.g. administrative data, genomic data, clinical data, wearable data, data from patient apps) and will then use predictive analytic models to link, harmonize, and analyze the data with the ultimate goal of predicting personalized health outcomes tailored to individuals/patients. Teams must also implement a personalized eHealth delivery platform that incorporates and demonstrates the predictive modeling in an accessible and meaningful way to patients and providers as a means to improve patient empowerment and facilitate shared decision making. The personalized health innovation projects will be implemented into health-care delivery settings and will be aimed at assessing comparative cost-effectiveness, health outcomes, and patient reported outcome measurements as compared to standard-of-care. In addition, all predictive modeling and all outcomes evaluated must include appropriate sex and gender considerations.

Therefore, research teams must have the capacity to:
• Establish productive partnerships with relevant stakeholders, including health-care delivery organizations, health-care professionals, and patient/family/caregiver partners;
• Facilitate the implementation of successful personalized health innovations, which includes predictive analytic and eHealth components, into health-care delivery organizations and promote their uptake and use among providers and patients; and
• Evaluate the impact, cost-effectiveness, health outcomes and patient-reported outcome measures associated with the implemented personalized health innovation project. The evaluation will generate high-quality evidence that uses standard-of-care as a comparator, to assist in the subsequent integration, spread and scale of successful innovations. Evaluations must be sex- and gender-responsive, accounting for differences across diverse groups of men, women and gender-diverse individuals.

Research teams must investigate the relevant factors that will impact the advancement and application of the proposed research by including an integrated ethical, environmental, economic, legal and social component, which must be closely related to the overall project objectives, deliverables and potential social and/or economic benefits.

In addition, CIHR encourages the inclusion and advancement of underrepresented groups in science as one of the means to enhance excellence in research, training and knowledge translation.

**Funding Details:** The maximum amount per grant is $500,000 per year for up to four (4) years, for a total of $2,000,000 per grant.

**Additional Details**

**LOI Deadline:** October 8, 2019
**Internal HRS Deadline:** March 24, 2020
**Sponsor Deadline:** April 7, 2020

**Canadian Space Agency: Health & Life Sciences Data and Sample Mining**

The Canadian Space Agency (CSA) is interested in human spaceflight and maintaining a healthy and highly qualified Canadian astronaut corps capable of participating in space exploration missions. Also, in line with the vision and priorities of the new Space Strategy for Canada, the CSA aims to enable scientific opportunities and global partnerships, and to harness space to solve everyday challenges for Canadians.

To achieve this, the CSA’s Health and Life Sciences (HLS) group conducts activities generating knowledge in fields that sustain human space flights, mitigate health risks and develop countermeasures for those missions. Since time and resources on the International Space Station (ISS) are limited, CSA aims to broaden science opportunities in order to enhance and supplement flight investigations on the ISS and to optimize utilization of CSA ISS resource allocation.

The intent of this AO is to provide financial support to researchers in Canadian Universities and post-secondary institutions to conduct science investigations that will lead to a better understanding of human spaceflight risks while contributing to improve remote medicine and health benefits here on Earth. More specifically, the aim of the present AO is to solicit proposals for scientific analysis, using databases or samples derived from existing collections for improving the understanding of the risks of spaceflight or for initial validation of new countermeasures. The studies selected for this AO are expected to be precursors of Canadian investigations on the ISS or other space research platforms.

**Funding Details:** $70,000 for 1 year.

**Additional Details**

**Internal HRS Deadline:** September 13, 2019
**Sponsor Deadline:** September 27, 2019

**Canadian Space Agency: Health & Life Sciences Research Models**

The Canadian Space Agency (CSA) is interested in human spaceflight and maintaining a healthy and highly qualified Canadian astronaut corps capable of participating in space exploration missions. Also, in line with the vision and priorities of the new Space Strategy for Canada, the CSA aims to enable scientific opportunities and global partnerships, and to harness space to solve everyday challenges for Canadians.

To achieve this, the CSA’s Health and Life Sciences (HLS) group conducts activities generating knowledge in fields that sustain human space flights, mitigate health risks and develop countermeasures for those missions. Since time and resources on the International Space Station (ISS) are limited, CSA aims to broaden science opportunities in order to enhance and supplement flight investigations on the ISS and to optimize utilization of CSA ISS allocation.

The intent of this AO is to provide financial support to researchers in Canadian Universities and post-secondary institutions to conduct science investigations that will lead to a better understanding of human spaceflight risks while contributing to improve
remote medicine and health benefits here on Earth. The focus of research to be funded in this AO, will be on non-human research models such as animals, cells, organoids, cell-free systems and model organisms that investigate space-related health risks (identified in Table 1 in Section 3.3) to expand research approaches. Well-designed non-human research model studies are valuable for improving the understanding of the risks of spaceflight or for initial validation of new countermeasures. The studies targeted in this AO are expected to be precursors of Canadian investigations on the ISS or other space research platforms. In other words, there must be a solid conceptual link between the proposed work and future studies that require access to space. Proponents must also substantiate the validity of the link between the chosen experimental system(s) and human biology.

**Funding Details:** $150,000 for 2 years.

**Additional Details**

**Internal HRS Deadline:** September 13, 2019  
**Sponsor Deadline:** September 27, 2019

### Canadian Space Agency: Human Analog Studies

The Canadian Space Agency (CSA) is interested in human spaceflight and maintaining a healthy and highly qualified Canadian astronaut corps capable of participating in space exploration missions. Also, in line with the vision and priorities of the new Space Strategy for Canada, the CSA aims to enable scientific opportunities and global partnerships, and to harness space to solve everyday challenges for Canadians.

To achieve this, the CSA's Health and Life Sciences (HLS) group conducts activities generating knowledge in fields that sustain human space flights, mitigate health risks and develop countermeasures for those missions. Since time and resources on the International Space Station (ISS) are limited, CSA aims to broaden science opportunities in order to enhance and supplement flight investigations on ISS and to optimize utilization of CSA ISS allocation.

The intent of this AO is to provide financial support to researchers in Canadian Universities and post-secondary institutions to conduct science investigations that will lead to a better understanding of human spaceflight risks while contributing to improve remote medicine and health benefits here on Earth. The focus of research to be funded in this AO, will be on human-subject space analogue studies that reproduce the health and performance factors of space environments such as variable gravity, isolation, and confinement. Well-designed ground studies are valuable for improving the understanding of the risks of spaceflight or for initial validation of new countermeasures. The studies targeted in this AO are expected to be precursors of Canadian investigations on the ISS or other space research platforms.

Throughout the domestic and international space research community, there are a range of research institutes and installations that are capable of supporting analogue platforms. The human research solicitations listed in Table 1 in Section 3.2 usually accept proposals from Canadian Principal Investigators (PIs) or Co-Investigators (Co-Is). If Canadian PIs or Co-Is are selected by the soliciting agency for implementation of the proposal, they can then submit an application for funding to this CSA AO. Studies to be funded through this AO have to be selected from one of the competitions identified in Table 1.

**Funding Details:** Up to $200,000 for 2 years.

**Additional Details**

**Internal HRS Deadline:** September 13, 2019  
**Sponsor Deadline:** September 27, 2019

### Health Research Foundation: Artificial Intelligence Health Research Fellowships

The objectives of these HRF Fellowships is to support outstanding MD and/or PhD researchers to become our future scientists and health care leaders with the tools to contribute to the innovative health care system of tomorrow, and to facilitate collaboration, teamwork, and trust between academic research centers and the pharmaceutical industry to find better ways to transfer knowledge from research to the health system.

**Funding Details:** $100,000.

**Additional Details**

**Internal HRS Deadline:** September 13, 2019  
**Sponsor Deadline:** September 27, 2019

### Alex’s Lemonade Stand: Single-cell Pediatric Cancer Atlas Request for Applications

Alex’s Lemonade Stand Foundation seeks to create datasets that profile pediatric cancers at a single-cell resolution level. Single-cell profiling can provide insights into the heterogeneity of cells in a tumor and the surrounding tumor microenvironment, as well as
variability in the states of cancer cells, all of which can influence the cancer’s response to treatments. The pediatric cancer atlas will be an open resource for discovery, and a primary goal of this effort is to produce data that can be harmonized.

The Single-cell Pediatric Cancer Atlas (ScPCA) will fund the profiling of pediatric cancer samples. This award is designed to produce an atlas of gene expression profiles for pediatric cancers of different types and from different organ sites that can be harmonized to allow comparison within and across type and site.

**Funding Details:** $200,000 USD over one year.

**Additional Details**

**Internal HRS Deadline:** September 16, 2019  
**Sponsor Deadline:** September 30, 2019

**Multiple Sclerosis Society of Canada: Discovery Research Grants (Operating Grants) for Biomedical and Clinical and Population Health Streams**

The Discovery Research (Operating) Grant Program is intended to support various research projects aligned with the MS Society of Canada’s new strategic plan. The strategic plan outlines four key impact areas:

- **Treatment and Care:** Research that aims to advance treatment and care for people affected by MS (e.g. symptom management, diagnosing MS, developing new treatments and understanding their mechanisms, mental health, wellness/self-care, rehabilitation, health services, clinical care practices, models of care, healthcare delivery/policy).
- **Enhance Well-being:** Research that aims to understand how to enhance the well-being of people affected by MS within communities (e.g. understanding the social determinants of health, health economics/cost benefit analysis on interventions and support structures and systems, community-based programs, health systems research/policy).
- **Understand and Halt Disease Progression:** Research that aims to understand the mechanisms of MS, disease progression, progressive MS, and repair (e.g., myelin biology, neurobiology, neurophysiology, immunology, neuropathology, and imaging).
- **Prevent MS:** Research that aims to prevent MS (e.g. identifying risk factors, effective interventions for prevention, health economic/cost benefit analysis on prevention, and defining highest risk populations).

**Funding Details:** Approximately $100,000 per year for a maximum of three (3) years.

**Additional Details**

**Internal HRS Deadline:** September 17, 2019  
**Sponsor Deadline:** October 1, 2019

**Multiple Sclerosis Society of Canada: Discovery Research Pilot Grants (Clinical and Population Health Stream only)**

The discovery research pilot grant program awards seed funding that allows researchers to develop and test new and innovative research questions and pursue pioneering approaches that have the potential to impact the MS field in topics related to Clinical and Population Health (CPH). CPH includes clinical research with the goal of improving diagnosis and treatment, and improving the health and quality of life of individuals, and encompasses research on, or for the treatment of, people affected by MS; and supports population health research that aims to understand the complex, biological, social, cultural and environmental interactions that determine the health of individuals and populations. Topics can include:

- **Treatment and Care:** Research that aims to advance treatment and care for people affected by MS (e.g. symptom management, diagnosing MS, developing new treatments, mental health, wellness/self-care, rehabilitation, health services, clinical care practices, models of care, healthcare delivery/policy).
- **Enhance Well-being:** Research that aims to understand how to enhance the well-being of people affected by MS within communities (e.g. understanding the social determinants of health, health economics/cost benefit analysis on interventions and support structures and systems, community-based programs, health systems research/policy).
- **Prevent MS:** Research that aims to prevent MS (e.g. identifying risk factors, effective interventions for prevention, health economic/cost benefit analysis on prevention, and defining highest risk populations).

**Funding Details:** Approximately $50,000 over up to two (2) years.

**Additional Details**

**Internal HRS Deadline:** September 17, 2019  
**Sponsor Deadline:** October 1, 2019

**Multiple Sclerosis Society of Canada: endMS Personnel Awards**
The MS Society supports the next generation of talented young researchers who will take on the mantle of advancing MS research in the search for a cure. The annual studentship and fellowship award competition is a key plank of the MS Society’s research training program that allows us to build a robust network of bright minds in the field and is aimed at graduate students and postdoctoral fellows intent on furthering their knowledge and training in MS.

**Funding Details:** See additional details.

**Additional Details**

**Internal HRS Deadline:** September 17, 2019

**Sponsor Deadline:** October 1, 2019

**Susan G Komen: Tissue Bank Challenge**

Komen is excited to announce a new funding opportunity for researchers to use a truly unique resource: The Susan G. Komen® Tissue Bank at the IU Simon Cancer Center (Komen Tissue Bank, or KTB), the first and only biorepository in the world containing breast tissue and blood products from donors that show no evidence of breast cancer at the time of donation. Since 2007, over 8,000 women have donated their blood and/or tissue to help the research community. To leverage this valuable resource, we are seeking the best ideas in innovative research proposals to move the field of breast cancer forward. To learn more about the Komen Tissue Bank, visit: [https://komentissuebank.iu.edu/](https://komentissuebank.iu.edu/).

Komen is asking researchers to submit Letters of Intent to describe their innovative research projects that will use KTB resources. The top applicants will have the unique opportunity to pitch their idea in-person! For more information, please see the Komen Tissue Bank Challenge Program Announcement and Letter of Intent Instructions.

**Funding Details:** $200,000 combined direct and indirect costs for up to two years.

**Additional Details**

**LOI Deadline:** September 25, 2019

**The Orphan Disease Center: Hypoparathyroidism Stem Cell Consortium Grant Program**

The Orphan Disease Center, in collaboration with the Hypopara Research Foundation, is seeking grant applications from multidisciplinary teams of scientists that aim to develop a potential long-term therapy for hypoparathyroidism, by using advances in stem cell research to regenerate and transplant parathyroid glands. We expect these research efforts will focus on the biology of parathyroid cell differentiation, although the overall effort must be directed to the longer range goal of developing human treatments. We are flexible regarding the specific goals of the applications although the following areas of research could be considered:

1. Identification of parathyroid cell markers. Identifying and validate parathyroid cell or precursor markers.
2. Development of a stem cell differentiation protocol to convert ES cells or iPSCs to functioning parathyroid cells.
   - Development of a reproducible protocol for differentiation of pluripotent stem cells into parathyroid cells or precursor cells.
   - Creation of a cell line/organoid that can be induced to produce and secrete parathyroid hormone. The cells/organoids should produce parathyroid hormone production in response to calcium levels.
3. Development of transplantation methods that lead to long-term engraftment of parathyroid cells.
4. Demonstration of physiologic regulation of parathyroid hormone production from transplanted cells in an animal model.

**Funding Details:** $1,000,000 over 2 years.

**Additional Details**

**LOI Deadline:** September 9, 2019

**Internal HRS Deadline:** September 25, 2019

**Sponsor Deadline:** October 9, 2019

**The Orphan Disease Center: In-home Calcium Diagnostic Device for Hypoparathyroidism Grant Program**

Currently, patients are limited to point of care testing of calcium levels in the blood. Care providers use this information to determine whether precipitation of symptoms is due to low calcium and adjust medication if necessary. In many cases, calcium supplementation doses are adjusted which patients then self-administer at home. Traveling to a clinic or hospital for this diagnostic test can be an arduous process for ill patients, which may often only occur once symptoms become severe. The Orphan Disease Center, in collaboration with the Hypopara Research Foundation is thus seeking applications for the creation of a medical diagnostic device that would allow the in-home measurement of calcium in the blood. The goal is to create a device for hypoparathyroidism patients and others with hypocalcemia, which would improve disease management and quality of life by allowing self-administered
care at home. We imagine this device revolutionizing disease management for these patients similarly as the glucose monitor has done for diabetic patients. Care providers in theory could provide guidelines for medication adjustment based on results from the device. Competitive applications should propose creation of a device with the following specifications.

1. Device should be able to measure ionic calcium levels
   a. While total calcium is a useful measure, ionic calcium is the free calcium available in the blood for physiological function which is typically derived using a formula from total blood calcium and albumin levels. A direct measure of ionic calcium is ideal.
2. Device should require no more than a finger prick of blood
   a. Similar to the glucose monitor, the test should require minimal amounts of blood, and ideally a reduced need for blood stabilizers etc.
3. Device should provide rapid reproducible results/values for ionic calcium
   a. Device calibration should be simple enough for a patient or care provider to perform
4. Device consumables should be cost effective
   a. While the scope of the RFA does not request a commercially ready device, the proposed concept model should outline accessibility or ease of creation of cartridges/sticks for blood collection.

**Funding Details:** $200,000 for 1 year.

**Additional Details**

**LOI Deadline:** September 13, 2019
**Internal HRS Deadline:** September 27, 2019
**Sponsor Deadline:** October 11, 2019

### Canadian Cancer Society: Innovation Grants

Innovation Grants support the highest quality creative problem solving in cancer research. The goal of the Innovation program is to support the development and testing of transformative, paradigm-shifting concepts and approaches to address problems in cancer research, enhance our understanding of cancer, and generate novel approaches to confront the challenges we face in defeating cancer.

Successfully funded Innovation projects are ideally based on “high risk” ideas that have a strong potential for “high reward”. They are feasible and doable by the applicant(s), but not necessarily based on a significant amount of preliminary data. With a significant emphasis on innovation, this program encourages bold attempts to test novel hypotheses and/or generate new knowledge and/or improvements related to cancer prevention, detection, diagnosis, treatment, and support. Applications are encouraged from across all areas and disciplines of cancer research, as well as from investigators in other disciplines whose ideas are relevant to the field of cancer research.

It is hoped that this program will accelerate the introduction of innovation into the entire cancer research system and contribute to the scientific idea pipeline. Proposals with high scientific merit that are deemed derivative or formulaic, pursue next logical steps, or seek to make incremental advancements are not considered innovative and should not be submitted to this competition. Applicants are also cautioned to avoid overly-ambitious aims or aims that are not clearly connected - significant findings from investigators funded by Innovation Grants may be developed further through a CCS "Innovation to Impact" Grant.

**Funding Details:** Up to $100,000 per year and a maximum of $200,000 per grant.

**Additional Details**

**Internal HRS Deadline:** October 1, 2019
**Sponsor Deadline:** October 15, 2019

### Canadian Cancer Society: Innovation to Impact Grants

This program is designed to support the next phase following a productive Innovation or CBCF research grant, with the goal of working towards or achieving a significant impact on cancer.

The Innovation to Impact (i2I) Grants are designed as the next stage in the funding pipeline for Innovation and CBCF Grants that have completed their original aims and have demonstrated productivity (such as publications or scientific presentations). Note that unexpected findings/outcomes from an Innovation or CBCF grant may be pursued through an i2I grant provided that sufficient data exists to support a compelling rationale for the proposed next steps.

Innovation to Impact Grants (i2I) are intended to support the further development of significant findings from a funded CCS Innovation or CBCF grant.
Applicants are required to articulate significant achievements from the original Innovation/CBCF Grant (i.e., significant new knowledge, publications, intellectual property, technology development, or relevant endpoints) and clearly describe and justify the progression to the new research proposed. In other words, the original grant and i2I proposal must be linked by their overarching goal or objective. Applicants must also describe the potential for impact of the proposed project on cancer.

**Funding Details:** Up to $150,000 per year for up to 3 years, to a maximum of $450,000 per grant.

**Additional Details**

**Internal HRS Deadline:** October 1, 2019  
**Sponsor Deadline:** October 15, 2019

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### Susan G Komen: Training Researchers to Eliminate Disparities Grants

Disparities researchers anywhere in the world are invited to apply for our Training Researchers to Eliminate Disparities Grants.

TREND Grants are intended to establish and/or to sustain an innovative training program for graduate students who are seeking careers dedicated to understanding and eliminating disparities in breast cancer outcomes across population groups.

The research training program should be designed to meet the following goals:

- Attract graduate students, specifically those from populations affected by disparities in breast cancer outcomes, into research careers.
- Develop novel and creative methods to empower these students with the skills and knowledge necessary to effectively explore the causes of differential breast cancer outcomes and develop interventions to reduce and eliminate such disparities.

**Funding Details:** $405,000 direct costs only; $135,000 per year for up to 3 years.

**Additional Details**

**Internal HRS Deadline:** October 3, 2019  
**Sponsor Deadline:** October 17, 2019

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### Ontario Molecular Pathology Research Network – Cancer Pathology Translational Research Grants

OICR’s [Strategic Plan 2016-2021](#) prioritized the establishment of the Ontario Molecular Pathology Research Network (OMPRN), a Collaborative Research Network focused on enhancing molecular pathology research capacity across the province by:

1. Fostering collaboration and cooperation between Ontario academic pathologists;
2. Increasing the participation of pathologists in high-quality translational cancer research; and
3. Providing opportunities for residents, fellows and early career pathologists to obtain training and mentorship in cancer research.

**Funding Details:** $35,000 for 1 year.

**Additional Details**

**Internal HRS Deadline:** October 14, 2019  
**Sponsor Deadline:** October 28, 2019

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### Canadian Orthopaedic Foundation: J. Édouard Samson Award

The premier award for orthopaedic research in Canada, the J. Édouard Samson Award, recognizes the best career orthopaedic research over a period of five (5) years or more at a Canadian centre. This award is intended to promote further research by the recipient. The recipient will present his/her research at the Annual General Meeting of the Canadian Orthopaedic Association (presentation opportunity to be determined). The award consists of an educational grant and a personal research grant to be used by the recipient at the Canadian institution where he/she currently resides.

This award is decided based on review and recommendation by the Canadian Orthopaedic Foundation’s Research Committee to the Canadian Orthopaedic Foundation’s Board of Directors.

**Funding Details:** $30,000.

**Additional Details**

**Internal HRS Deadline:** October 17, 2019  
**Sponsor Deadline:** October 31, 2019
**Canadian Orthopaedic Foundation: Canadian Orthopaedic Research Legacy (CORL) Grant**

The CORL program was founded in 2006 to help ensure the legacy of Canada’s world-class status in orthopaedic research, thereby ensuring orthopaedic patients reap the reward of new techniques and treatments made possible through research grants from this program. The total number of awards each year will be variable, based on available funding.

**Funding Details:** $20,000.

**Additional Details**

**Internal HRS Deadline:** October 17, 2019  
**Sponsor Deadline:** October 31, 2019

**Biocodex Microbiota Foundation: Call for National Project Canada - Microbiome in Human Health and Diseases**

Biocodex is historically involved in research on gut microbiota.

With a mission of advancing the research and understanding of human microbiota, the Biocodex Microbiota Foundation is calling on inspired researchers at Canadian institutions in the microbiome field to submit proposals for funding their projects. For 2019, the Canadian grant will be awarded to an investigator studying a 1 to 2-year long research project within the topic of microbiome in human health and diseases.

Studies in translational animal models are encouraged.

**Funding Details:** The total grant amount is 25,000 €.

**Additional Details**

**Internal HRS Deadline:** October 17, 2019  
**Sponsor Deadline:** October 31, 2019

**J. P. Bickell Foundation 2019 Medical Research Grant Competition**

The J. P. Bickell Foundation Medical Research Grants are made to assist biomedical scientists of various departments and faculties in Ontario universities, hospitals and scientific institutions concerned with medical research. These grants may be distributed among medical research institutions and universities in Ontario. Only one application may be submitted for the annual competition, from any medically oriented faculty. These may be within the health sciences department of a university, or any faculty of that university.

**Funding Details:** Usually within the $50,000 to $65,000 range.

**Additional Details**

**Internal HRS Deadline:** September 27, 2019  
**Sponsor Deadline:** November 1, 2019

**CoEN 2019 Call for Proposals: Pathfinder 4**

The CIHR Dementia Research Strategy supports research on the latest preventive, diagnostic and treatment approaches to Alzheimer’s disease and other neurodegenerative diseases causing dementia. It consists of an international and a national component, which together, allows the Government of Canada to support world-class research on dementia, contributing to the global pursuit of finding a cure or disease-modifying treatment for dementia by 2025.

The Canadian Consortium on Neurodegeneration in Aging (CCNA) is the Canadian component of the CIHR Dementia Research Strategy representing the Center of Excellence for Canada. CCNA is the premier research hub for all aspects of research involving neurodegenerative diseases that affect cognition in aging – including Alzheimer’s disease.

The Network of Centres of Excellence in Neurodegeneration (CoEN) is an international initiative, which will connect Centers of Excellence (CoEs) with a critical mass of resources and expertise to drive a step-change in neurodegeneration research. As such, the Lead Canadian Principal Applicant for this funding opportunity must be a CCNA member. It is expected that teams will combine the research strengths across CoEs in at least two partner countries to provide a true value-added collaborative effort that will advance our approach to neurodegeneration research. Projects will address issues which would not readily be funded through the standard grant mechanisms of the CoEN partners, and it is expected that in addition to collaboration across CoEs, projects should also serve to provide a platform for future collaboration with industry.

This funding opportunity seeks to address the need for innovative research to underpin new approaches to therapeutic intervention. The call sets out to encourage “outside the box” thinking, to stimulate new and unconventional approaches and creative solutions to the challenges of neurodegeneration research by undertaking high-risk / high-payoff research.
For more information, please consult the [Centres of Excellence in Neurodegeneration (CoEN) website](#).

**Funding Details:** The total amount available for the Canadian portion of this funding opportunity is $666,666, enough to fund approximately two (2) grants. This amount may increase if additional funding partners participate. The maximum amount per grant is $166,666 per year for up to two (2) years for a total of $333,333 per grant.

**Additional Details**
*Internal HRS Deadline:* October 21, 2019  
*Sponsor Deadline:* November 4, 2019

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**BrightFocus Foundation: Alzheimer’s Disease Research Grant**

**Standard Awards:** The standard award provides significant funding for researchers who have already generated some amount of preliminary data, but are often required to demonstrate additional, significant progress before they can apply to governmental or industrial funding agencies.

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

**Postdoctoral Fellowship Awards:** Postdoctoral fellowship awards are intended for young researchers in their final stages of mentored training. These awards fund projects in an established laboratory that will serve as the basis for the applicant’s own independent research career.

**Funding Details:** $100,000 per year for a maximum of 2 years.

**Additional Details**
*Internal HRS Deadline:* October 21, 2019  
*Sponsor Deadline:* November 4, 2019

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**BrightFocus Foundation: National Glaucoma Research Grant**

**Standard Award:** The standard award provides significant funding for researchers who have already generated some amount of preliminary data, but are often required to demonstrate additional, significant progress before they can apply to governmental or industrial funding agencies.

**Funding Details:** $100,000 per year for 2 years.

**Additional Details**
*Internal HRS Deadline:* October 24, 2019  
*Sponsor Deadline:* November 8, 2019

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**Fulbright Canada - Foundation for Educational Exchange Between Canada and the United States of America: Programs for Canadian Scholars**

**Traditional Fulbright Scholar Award:** Traditional Fulbright awards are open to Canadian scholars in all fields and are designed to enable emerging and established scholars, post-doctoral researchers and experienced professionals to conduct research, teach, or undertake a combination of both activities for one semester or a full academic year at any university or research center of their choice in the United States.

Specialization: While the competition is open to all disciplines, Fulbright Canada is particularly interested in encouraging research on contemporary issues relevant to Canada, the United States and the relationship between the two countries. Applicants should also clearly document the need to be in residence in Canada to carry out the project.

**Funding Details:** $12,500 USD for 1 semester (4 months) beginning in either September 2020 or January 2021.

**Research Chairs Program:** Fulbright Canada Research Chairs are intended for Canadian citizens who are exceptional scholars and/or experienced professionals who wish to conduct research and/or lecture in the United States.

Fulbright Canada Research Chairs are pre-arranged affiliations that allow scholars to conduct research/lecture on subjects important to that university. Partner universities are excited to welcome the Fulbright Visiting Chairs into campus life and encourage them to engage with students, faculty, and the broader community. Fulbright Visiting Research Chairs can guest lecture in university courses, mentor students, lecture in public venues, network, and promote their research, while representing the Fulbright program, and their home and host institutions.

**Funding Details:** $25,000 to $50,000 USD from 4 to 9 months beginning in either September 2020 or January 2021.
Additional Details
Internal HRS Deadline: November 1, 2019
Sponsor Deadline: November 15, 2019

**American Foundation for Suicide Prevention: Innovation Grants**

**Linked Standard Research Innovation Grants:** Grants awarded to investigators at any level performing research involving two or more unique sites with each site contributing unique expertise, as well as data collection. Applicants must submit a Letter of Intent by September 15 to be eligible to apply.

**Funding Details:** Up to $300,000 over 2 years.

**Distinguished Investigator Innovation Grants:** Grants awarded to investigators at the level of associate professor or higher with an established record of research and publication on suicide.

**Funding Details:** Up to $125,000 over 2 years.

**Postdoctoral Research Fellowship Innovation Grants:** Grants awarded to investigators who have received a Ph.D., M.D., or other doctoral degree within the preceding six years and have had no more than three years of fellowship support.

**Funding Details:** Up to $112,000 over 2 years (Salary of $48,000 per year. Allowance of $8,000 per year.)

**Standard Research Innovation Grants:** Grants awarded to individual investigators at any level.

**Funding Details:** Up to $100,000 over 2 years.

**Young Investigator Innovation Grants:** Grants awarded to investigators at or below the level of assistant professor. These grants must allocate $10,000 ($5,000 per year) of their award for an established suicide researcher to mentor the Young Investigator. AFSP is available to assist you in identifying a suitable mentor.

**Funding Details:** Up to $90,000 over 2 years.

**Pilot Innovation Grants:** Awarded to investigators at any level, these grants provide seed funding for new projects that have the potential to lead to larger investigations. These grants typically entail feasibility studies rather than hypothesis-driven research. Examples include manual development and new biomarker development.

**Funding Details:** Up to $30,000 over one or two years.

**Additional Details**

**LOI Deadline:** September 15, 2019 (FOR LINKED STANDARD RESEARCH INNOVATION GRANTS ONLY)

**Internal HRS Deadline:** November 1, 2019

Sponsor Deadline: November 15, 2019

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**The Michael J. Fox Foundation: Use of Parkinson’s Disease Biosamples**

The Michael J. Fox Foundation seeks to facilitate access and use of our cohort biosamples. Applicants can request these human biosamples and associated grant funding for target validation or biomarker development programs.

Different stages of the target and assay development pipeline necessitate access to samples with varying degree of clinical information and longitudinal follow-up. MJFF biosamples are available for every stage of intended use, including target identification and validation, assay development and validation, biomarker discovery, biomarker replication, biomarker verification and assessment of disease progression. Certain sample collections offer additional opportunities, including examination of diurnal fluctuation, pharmacogenetics/pharmacodynamics or insight into genetic Parkinson’s.

For more information about each collection’s resources, including intent of use and biosample type and availability, please visit MJFF’s [Biospecimens](#) page and [Biorepository Inventory](#) website.

**Funding Details:** Up to $300,000.

**Additional Details**

**LOI Deadline:** September 24, 2019

Internal HRS Deadline: November 8, 2019

Sponsor Deadline: November 22, 2019

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**The Michael J. Fox Foundation: Therapeutic Pipeline Program**
The Michael J. Fox Foundation seeks applications with potential for fundamentally altering disease course and/or significantly improving treatment of symptoms above and beyond current standards of care.

The Therapeutic Pipeline Program is open to industry and academic investigators proposing novel approaches or repositioning approved or clinically safe therapies from other disease indications. Part of our Edmond J. Safra Core Programs for PD Research, the Therapeutic Pipeline Program advances Parkinson's disease therapeutic and intervention development along the pre-clinical and clinical path.

**Funding Details:** Up to $500,000 (pre-clinical) or $2 million (clinical).

**Additional Details**

- **LOI Deadline:** September 24, 2019
- **Internal HRS Deadline:** November 8, 2019
- **Sponsor Deadline:** November 22, 2019

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**Juvenile Diabetes Research Foundation International, Lupus Research Alliance and National Multiple Sclerosis Society: Decoding Immune Mediated Diseases – Novel Approaches for Therapeutic Insights**

JDRF International, in partnership with the Lupus Research Alliance and the National Multiple Sclerosis Society, is soliciting Letters of Intent (LOI) from investigators across autoimmune (and other relevant) fields to advance the understanding of autoimmunity and to obtain more specific insights into commonalities and differences of immune pathways that govern these pathogenic processes. The incomplete knowledge of immune networks, pathways, disease pathogenesis and heterogeneity across multiple autoimmune diseases remains a challenge towards achieving optimal therapies to effectively treat all subjects in a given indication. The purpose of this call is to invite innovative ideas that address needs across multiple autoimmune diseases in novel ways that may allow us to make faster progress together. Applications must address one or more of the following autoimmune diseases: Type 1 Diabetes (T1D), Systemic Lupus Erythematosus (SLE) and Multiple Sclerosis (MS).

**Funding Details:** For Strategic Research Agreements, proposed project budgets should not exceed $750,000 USD (including 10% indirect costs) total costs for up to three years. The level of funding will vary depending on the scope and overall objectives of the proposal. Under the terms of the grant award, written semi-annual reports will be required from the funded investigator as a basis for continued support.

For Pilot & Feasibility projects, with potential to evolve to larger efforts, are encouraged, and should be limited to a total proposed project budget of $200,000 USD (including 10% indirect costs) total costs for up to two years. Although Pilot & Feasibility proposals have a smaller budget and focus, applicants should follow the same website guidelines as Strategic Research Agreements.

**Additional Details**

- **LOI Deadline:** September 9, 2019
- **Internal HRS Deadline:** November 19, 2019
- **Sponsor Deadline:** December 3, 2019

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**The Michael J. Fox Foundation: Edmond J. Safra Fellowship in Movement Disorders**

Movement disorder specialists (neurologists with subspecialty training in Parkinson's disease and other movement disorders) serve as an important bridge between scientific advances in the lab and positive patient outcomes in the care setting. While the demand for movement disorder specialists is increasing, not enough neurologists are receiving this vital training. To address this unmet need, The Michael J. Fox Foundation (MJFF), in collaboration with longtime partner the Edmond J. Safra Foundation, introduced The Edmond J. Safra Fellowship in Movement Disorders. By funding academic centers to train new movement disorder clinician-researchers, this program aims to develop a network of highly trained specialists to be the next generation of leaders in Parkinson's research and clinical care.

The program grants funding directly to academic centers, which then must identify and train a new movement disorder fellow over a two-year period. Grant support cannot be used for a fellow already enrolled or selected. The Edmond J. Safra Fellowship in Movement Disorders is open to academic centers worldwide; previously awarded centers qualify to apply.

**Funding Details:** $90,000 per year.

**Additional Details**

- **Internal HRS Deadline:** November 29, 2019
- **Sponsor Deadline:** December 13, 2019
**Alex’s Lemonade Stand: Epidemiology Grants**

Epidemiology awards will support investigators pursuing research studies in human populations using epidemiological approaches, in order to significantly contribute to the understanding of childhood cancers.

This grant mechanism is designed to support hypothesis-driven research that focuses on the epidemiology, early detection and prevention of childhood cancer or comparative effectiveness and outcomes research related to detection, prevention, and treatment.

**Funding Details:** $100,000 per year for two years for direct costs.

*Additional Details*

**Internal HRS Deadline:** December 2, 2020  
**Sponsor Deadline:** December 16, 2020

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**Alex’s Lemonade Stand: Young Investigator Grants**

The Young Investigator grant is a 3-year award designed to support scientists in the early stages of their research careers, such as postdoctoral or clinical fellows. Outstanding mentorship and demonstration of a career plan that shows commitment to pediatric cancer investigation are critical components of a successful application.

**Funding Details:** Up to $150,000 over three years. A maximum of $50,000 in total costs will be awarded to applicants annually.

*Additional Details*

**Internal HRS Deadline:** December 2, 2020  
**Sponsor Deadline:** December 16, 2020

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**Ontario Brain Institute (OBI): Growing Expertise in Evaluation and Knowledge Translation (GEEK)**

The GEEK (Growing Expertise in Evaluation and Knowledge Translation) program provides funding, evaluation expertise, and support to community-led programs and services for people living with brain disorders. GEEK supports the sustainability, scale and/or spread of these programs, to improve the quality and quantity of evidence-based care in the community.

**Funding Details:** The GEEK program will allocate up to $1 million in funding over the next five years.

*Additional Details*

**LOI Deadline:** September 27, 2019  
**Internal HRS Deadline:** December 6, 2020  
**Sponsor Deadline:** December 20, 2020

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**Alex’s Lemonade Stand: Crazy 8 Initiative**

The Crazy 8 Initiative Award will fund research into innovative and rigorous approaches that directly address the most intractable issues in pediatric cancer research today. This award is designed to coalesce cross-disciplinary cores of scientists working collaboratively in order to accelerate the pace of new cure discovery. The proposal should address a topic that is responsive to at least one of the four pediatric cancer research themes listed above. It is expected that successful applications will address one or more of the eight disciplines that formed the basis of the Crazy 8 initiative.

Investigations may involve the exploration of a novel scientific hypothesis or the development of new model systems, tools or technologies that have the potential for significant impact on the field of childhood cancer. Collaboration and data sharing are a priority for this research program. We expect successful applications to propose multidisciplinary teams with a very clear plan for collaboration that would empower the study of big ideas that would not be easily addressable otherwise. Childhood cancer research applicants are encouraged to bring new, necessary expertise into the field. The awards will be judged on scientific soundness, significance and the potential for impact on improving the lives of children with cancer.

**Funding Details:** The requested budget should be in proportion to the scope of the proposed project and its corresponding potential for impact. Depending on the type of project and the size of the team, the requested budget should be in the range of $1-5 million USD over 4 years. Cost efficiency will be one of the major considerations in review and funding decisions. ALSF will pay up to 10% in indirect costs; if the applicant elects to request indirect costs, the budget may not exceed the range of $1-5 million USD. Funding is contingent upon satisfactory progress as determined by a Crazy 8 Initiative Scientific Advisory Board.

*Additional Details*

**LOI Deadline:** October 1, 2019  
**Internal HRS Deadline:** January 6, 2020  
**Sponsor Deadline:** January 20, 2020
Leukemia & Lymphoma Society: Specialized Centre of Research Program

LLS’s Specialized Center of Research (SCOR) grant program is intended to bring together established investigators from one or several institutions to develop a focused research program, foster new interactions and cooperation, and enhance interdisciplinary research among the participants. The overall goal of this mechanism is to enhance the development of innovative strategies for the treatment, diagnosis or prevention of hematological malignancies. Strategies that move discoveries from the bench to the clinic are of high importance as are integrated translational projects.

**Funding Details:** The maximal annual total cost is $1,000,000 for each year of the five year grant. The maximum annual direct cost is $833,333.33 while the maximum annual indirect cost is $166,666.66. The SCOR Director has the authority to budget these funds among the various Projects and Cores.

**Additional Details**

LOI Deadline: October 1, 2019
Internal HRS Deadline: February 28, 2020
Sponsor Deadline: March 15, 2020

Alex’s Lemonade Stand: Innovation Grants

Innovation Grants are designed to provide critical and significant seed funding for experienced investigators with a novel and promising approach to finding causes and cures for childhood cancers. Proposals should have clinical translation in view. This may represent a change in research direction and/or an innovative new idea that moves away from an investigator’s prior research but for which a strong case is made for the potential impact on childhood cancers.

**Funding Details:** Up to $125,000 per year for two years for direct costs only.

**Additional Details**

LOI Deadline: November 4, 2019
Internal HRS Deadline: March 23, 2020
Sponsor Deadline: April 6, 2020

Society of Facioscapulohumeral Muscular Dystrophy: Research Grant

The FSH Society offers grants, research fellowships and postdoctoral fellowships to support research relevant to understanding the molecular genetics and cause of Facioscapulohumeral Muscular Dystrophy (FSHD).

The general areas of interest include tissue, cell and molecular biology studies of FSHD, the development of animal models for FSHD, biomarkers and outcome measurements, and clinical trial readiness.

Proposals are sought for research that helps with understanding of the genetic, pathophysiological, neuromuscular and developmental mechanisms of the disease. There is also interest in the development of cell, small-molecule and gene therapy, genomic engineering technologies and other therapeutic programs that may arise from that understanding.

Please submit a single-page introductory cover letter plus a one- or two-page descriptive summary of the proposed research—enough for a decision from the Scientific Advisory Board. The letter of intent may be submitted at any time to the FSH Society, Attention: Dr. David Housman, Scientific Advisory Board Chairman, FSH Society, 450 Bedford Street, Lexington MA 02420. Email the letter to daniel.perez@fshsociety.org.

**Funding Details:** $7,500 - $125,000 for 1 year (an average award is approximately $57,500).

**Additional Details**

Sponsor Deadline: Applications are being accepted on a rolling basis February 28/29 and August 31 annually.

National Multiple Sclerosis Society: Pilot Research Grants

The Society funds high-risk pilot grants to quickly test novel ideas. Funding is provided for one year to test innovative, cutting-edge ideas or untested methods, and to gather sufficient preliminary data to apply for longer-term funding. We welcome 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:** See additional details.

**Additional Details**


**Alex’s Lemonade Stand: RUNX1 Early Career Investigator Grant**

The key objective is to promote the establishment of a new generation of translational and clinical researchers interested in tackling inherited hematologic malignancy predisposition disorders with a focus on RUNX1-familial platelet disorder. We believe that providing capital to early career investigators not only injects funding to where it is needed most, but also cultivates a new cohort of investigators who will be invested in an area of research that historically has had limited attention.

The RUNX1 Early Career Investigator grant is a 3-year award designed to fund research in strategies leading to the development of therapies to prevent the transition from pre-leukemia to leukemia for patients with RUNX1-FPD. Collaboration and data sharing are a priority for this research program. The RUNX1 Research Program and ALSF host an annual scientific meeting that brings together grant recipients and other scientists. Grant recipients are expected to present their progress as part of the annual review.

**Funding Details:** $180,000 over 3 years (maximum $60,000 per year may be requested).

**Additional Details**

**Sponsor Deadline:** Applications are being accepted on a rolling basis June 27, September 26 and December 26 annually.

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**Canadian Cancer Society: Travel Awards**

A limited number of Travel Awards to PhD or MD/PhD students, and post-doctoral/medical/clinical fellows are available. The purpose of this program is to defray the travel costs associated with making a scientific presentation as a first author or presenter at a conference, symposium or other appropriate professional meeting.

**Funding Details:** It is anticipated that up to 10 Travel Awards will be awarded in each competition (30 awards per year).

Note: Eligible expenses include: 1) Conference registration fees; 2) Accommodations; and 3) Transportation, and will not exceed $2,000.

**Additional Details**

**Sponsor Deadline:** Applications are being accepted on a rolling basis January 1, May 15 and September 15 annually.

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**Canadian Cancer Society: Junior Investigator Grant Panel Travel Award**

Application guides can be found on the [EGrAMS documentation for applicants](#) page.

The Canadian Cancer Society is pleased to offer a special initiative to allow junior investigators in cancer research to gain knowledge and understanding of the Canadian Cancer Society peer-review process. During the year, through different funding opportunities, applications spanning all disciplines of cancer research are evaluated and ranked for funding.

Selected investigators from across Canada will be provided funds to reimburse travel costs to Toronto to observe a grant panel meeting. This unique opportunity will provide junior faculty members with an “inside look” at how research grants are reviewed in order to help structure their own grant proposals in future.

Eligible applicants are investigators in cancer research at the end of their Post-doctoral fellowship or within the first few years of their academic appointment. Priority will be given to those who have yet to be awarded a grant from a Canadian granting agency. Applications for these limited funds will be accepted via [EGrAMS](#) and require Department or Institution Head sign-off prior to submission.

Please view the list of [current grant panels](#) for more information on available panels.

**Additional Details**

**Sponsor Deadline:** Applications are being accepted on a rolling basis.

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**SickKids Foundation: Community Conference Grants**

The objective is to bring together families with researchers and clinicians for medical presentations, workshops, symposia and family-oriented discussions. The conference helps to ensure families receive access to the most up-to-date information regarding their children’s health. The grant will support events which are organized by and/or for families with children with health challenges, including, but not limited to children with acute illness, chronic illness and disabilities.

**Funding Details:** Awards are limited to an annual maximum request of $5,000. The Foundation will fund a maximum of three consecutive annual events organized by any single organization.

**Additional Details**
Sponsor Deadline: Applications are being accepted on a rolling basis January 31, May 31 and September 30 annually.

Cancer Research Society: Translational Research Partnership Program

The Translational Research Partnership Program supports collaborative projects in cancer research to help accelerate the development of new treatments and/or technologies for the benefit of patients. Our Translational Research Partnership strategy is bold and ambitious. We aim to break down the boundaries between research disciplines, which may include researchers from non-cancer backgrounds, in order to find innovative solutions to prevent, detect and treat cancer. We partner with a range of organizations to maximize the impact of research on patient outcomes.

Projects must meet the following conditions:

- Be translational research and may include clinical trial studies
- Basic research projects are out of scope
- Aim the development of a therapeutic and/or novel technologies
- Have excellent preliminary data to support the proposed project

The research team must consist of at least one principal investigator and one co-investigator. The inclusion of a variety of non-cancer disciplines is encouraged to drive the development of novel technologies and to take thinking from other fields that have not yet been applied to cancer.

All projects are evaluated based on the following criteria:

- Scientific excellence and innovativeness of proposed project
- Expertise of the multidisciplinary team
- Quality of preliminary data and feasibility
- Financial partner’s engagement
- Anticipated benefits for cancer patients

Funding Details: A maximum of $1,500,000 over up to 3 years per project of which up to 50% may come from the Cancer Research Society

Additional Details

Sponsor Deadline: Applications are being accepted on a rolling basis.

HHS: Clinical Health Professional Travel Awards

The Clinical Health Professionals Research Travel Award provides support for eligible non-physician Health Professionals to present their work at a scientific meeting of relevance to their practice/research.

Funding Details: Up to six awards on a competitive basis will be given within a calendar year, and are each valued up to a maximum of $2,500 for a national conference or $3,500 for international (funds in Canadian dollars).

Additional Details

Sponsor Deadline: Applications are being accepted on a rolling basis.

This funding program is led by Dr. Sandra Carroll, Director, Clinical Health Professional Research, carroll@mcmaster.ca. Interested candidates are recommended to contact Dr. Carroll or Daniela Bianco biancdan@hhsc.ca in advance of their submission. Please send inquiries to Donna Catherwood, catherwood@hhsc.ca.

The Ontario HIV Treatment Network (OHTN), Endgame Funding Program: Community-Based Research and Evaluation (CBR&E) Awards

The OHTN Community-Based Research & Evaluation Fund (CBR & E Fund) is designed to help achieve the mission of the OHTN; to improve the health and well-being of people living with and at risk of HIV in Ontario, through a network that promotes research and evidence to drive change. The CBR & E Fund will assist communities by supporting both the production and discovery of knowledge through community-based research, and the use of evidence to drive programming through participatory program evaluation.

OHTN is committed to funding scientifically rigorous, community relevant research that will have a short-to medium-term impact on those most affected by HIV in Ontario:

- People living with HIV/AIDS
- Gay men and other men who have sex with men, including gay, bi, and queer trans men, youth and newcomers
- African, Caribbean and Black men and women, including youth
- Aboriginal men and women, including youth
- Men and women who use drugs
• Women, including trans women, who are at risk (e.g. have unprotected sex or share drug equipment with people from the populations listed above)

The CBR & E fund will provide grant support to eligible community-initiated HIV research and evaluation projects that explore questions of importance to community-based organizations, and have the potential to have a meaningful impact on those most affected by HIV in Ontario in the next 2-5 years.

**Funding Details:** $25,000 to $50,000 for 1 year.

**Additional Details**

**Sponsor Deadline:** Applications are being accepted on a rolling basis March 1, June 7, September 6 and December 6, 2019.

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

The Ontario Brain Institute (OBI) is committed to working together with brain health-related organizations in order to increase the capacity of their work in Ontario. The program especially looks to support events that embody OBI’s principles of integration and collaboration.

**Funding Details:** Up to $5,000.

**Additional Details**

**Sponsor Deadline:** Applications are being accepted on a rolling basis in January, May and September.

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**Crohn’s & Colitis Foundation: IBD Ventures**

Is your organization engaged in the discovery or development of a novel product with the potential to help patients with inflammatory bowel diseases? If so, we want to hear from you!

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 IBD Ventures, a new program and dedicated funding mechanism to support product-oriented research and development. Companies and academic investigators can apply.

**Funding Details:** Up to $500,000 per project per year will be considered. In addition, funded programs will be offered accelerator resources and advising.

**Additional Details**

**Sponsor Deadline:** Applications are being accepted on a rolling basis.

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**Ontario Genomics: Genomic Applications Partnership Program (GAPP)**

The Genomic Applications Partnership Program (GAPP) funds downstream research and development (R&D) projects that address real world opportunities and challenges defined by “Receptor” organizations such as industry, government, or not-for-profit entities. These organizations should be committed to commercializing or implementing the outcomes of the project.

Projects are led by the Receptor organization (Canadian or international) but are active collaborations with a Canadian academic researcher. These projects are co-funded by Receptors and other stakeholders and must have the potential to generate significant social and/or economic benefits for Canada.

The GAPP aims to:

- Accelerate the application of Canadian genomics-derived solutions from academia to real-world opportunities and challenges defined by industry, not-for-profit and public-sector Receptors.
- Channel Canada’s genomics capacity into sustainable innovations that benefit Canadians.
- Enhance the value of Canadian genomics technologies by de-risking and incentivizing follow-on investment from industry and other partners.
- Foster mutually beneficial collaboration and knowledge exchange between Canadian academia and technology receptors.

**Funding Details:** 1/3 investment from Genome Canada, 1/3 provided by the Receptor partner (cash and/or in-kind) and 1/3 of other co-funding (non-Genome Canada). For more information see Section 9 and Appendix 2 of the [GAPP Investment Strategy and Guidelines](#).

**Additional Details**

**LOI Deadline:** Accepted on a rolling basis February 19, May 21, August 15.

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**Weston Brain Institute Postdoctoral Scholars at Oxford**

The Weston Brain Institute Postdoctoral Scholars at Oxford program supports top-tier Canadian postdoctoral scholars by providing international training at the University of Oxford and affiliation with Merton College. Prior to submitting an application, candidates...
should independently identify a host lab and potential supervisor at the University of Oxford who agrees to supervise them if awarded. Awardees will receive salary support for their postdoctoral positions at Oxford.

**Funding Details:** £57,000 per year (£44,000 per year + benefits) for 2 years.

**Additional Details**

**Sponsor Deadline:** Accepted on a rolling basis, until 2 positions at a time are filled.

**Weston Brain Institute International Fellowships: 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 Weston Brain Institute is pleased to launch our International Fellowships: Canada program. The program will support top Canadian PhD students to travel to and work in world-renowned international labs for up to 12 months, to further their translational research on neurodegenerative diseases of aging.

**Funding Details:** $60,000 per year, prorated at $5,000 per month to fit shorter travel and specific project needs.

**Additional Details**

**Sponsor Deadline:** Accepted on a rolling basis.

**Alzheimer’s Drug Discovery Foundation: Prevention Beyond the Pipeline**

Consortium of Cohorts for Alzheimer’s Prevention Action (CAPA): Epidemiological studies contribute unmatched information on whether the risk of dementia or cognitive decline may be influenced by long-term exposure to specific foods or supplements. However, high-powered studies are needed, ideally with dose, duration, and responder profiles, in order to translate epidemiological research into actionable interventions for testing. Through the CAPA Consortium, the ADDF funds collaborative analyses on dementia prevention using a minimum of five longitudinal cohorts, either harmonized or analyzed through parallel analysis of cohorts using a shared analysis script. More information here. [More information here.](#)

Comparative Effectiveness Research: For many health conditions, physicians have a choice of clinically equivalent drugs. Some of these drugs are being investigated for repurposing to treat Alzheimer’s or related dementias, due to potential disease-modifying properties that go beyond the treatment of their approved disease indication. The ADDF will consider funding research to generate an evidence base on whether choices in the routine clinical care of pre-existing conditions could protect from dementia. Priority will be given to the comparison of drugs that are otherwise clinically equivalent for the pre-existing condition (see Box 1 in the ADDF 2016 position paper). Methods may include randomized trials or epidemiology.

Cognitive Decline and Cognitive Reserve: Cognitive decline through aging and health conditions has been linked to an increased risk of dementia. The ADDF will consider funding programs to prevent and treat these conditions, including cognitive aging, menopause-related cognitive symptoms, postoperative delirium and postoperative cognitive decline, mild and/or repetitive traumatic brain injury, and chemotherapy-induced decline. Methods may include clinical trials or epidemiology.

**Funding Details:** $50,000 to $100,000 for epidemiological analyses based on scope of research. Up to $3 million for clinical trials based on stage and scope of research. For studies requiring additional support, co-funding from other funding agencies or investors is encouraged.

**Additional Details**

**LOI Deadline:** Accepted on a rolling basis January 18, April 12, July 12, October 11.

**Sponsor Deadline:** Accepted on a rolling basis February 8, May 10, August 9, November 8.

**Alzheimer’s Drug Discovery Foundation: Drug Discovery Program**

The Alzheimer’s Drug Discovery Foundation (ADDF) has long recognized the need to bridge the translational funding gap between early-stage drug discovery and clinical development for Alzheimer’s disease, related dementias, and cognitive aging by supporting promising therapeutic approaches.

The Drug Discovery RFP supports:

- **Novel drug programs** aiming to advance novel lead molecules to the clinical candidate selection stage. This includes small molecules and biologics (e.g., antibodies, peptides, gene therapies).
- **Repurposed/repositioned programs** aiming to build preclinical evidence in relevant animal models for repurposed drugs (existing drugs that are approved for other diseases and conditions) and repositioned drugs (existing drugs that have entered clinical trials for other indications and have not yet been approved).

**Funding Details:** $150,000-$600,000 based on stage and scope of research. For studies requiring additional support, co-funding from other funding agencies or investors is encouraged. One year with potential for follow-on funding. Multi-year proposals can be considered.
Alzheimer’s Drug Discovery Foundation: Neuroimaging & CSF Biomarker Development Program

Given the pathological heterogeneity of Alzheimer’s disease and related dementias, new biomarkers are needed to more accurately characterize specific underlying pathophysiology.

This RFP seeks to support the development of CSF and neuroimaging biomarkers for multiple contexts of use (see below) that include but are not limited to:

- Clearly demonstrate target engagement for novel therapeutics
  The development of biomarkers that can serve as measures of target engagement for novel targets such as neuroinflammation features (e.g. microglial activity, cytokine production, astrocytic activity), synaptic damage, metabolic activity, mitochondrial dysfunction, vascular health and epigenetic changes, among others, are of particular interest. High priority will be given to projects developing biomarkers that can be used in combination with therapies currently in development and serve as companion biomarkers.

- Detect signs of disease earlier and monitor progression
  We are seeking programs developing sensitive biomarkers that can detect disease earlier than currently available tests. This includes biomarkers that can predict and monitor conversion from cognitively healthy to mild cognitive impairment (MCI) or MCI to Alzheimer’s disease. We also seek prognostic markers that can predict rates of cognitive decline.

- More accurately diagnose and distinguish between dementia subtypes
  Many types of dementias can present with similar clinical features, and patients often show overlapping pathologies. At present, it is challenging to distinguish between dementia subtypes. Biomarkers that can distinguish between subtypes and stratify patients in clinical trials are of high priority.

**Funding Details:** $150,000-$600,000 based on stage and scope of research. Larger amounts will be considered for PET ligand development for regulatory or clinical work. For studies requiring additional support, co-funding from other funding agencies or investors is encouraged. One year with potential for follow-on funding. Multi-year proposals can be considered.

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**Additional Details**

**LOI Deadline:** Accepted on a rolling basis January 18, April 12, July 12, October 11.
**Sponsor Deadline:** Accepted on a rolling basis February 8, May 10, August 9, November 8.

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McMaster University, McMaster Institute for Research on Aging (MIRA), Canadian Longitudinal Study on Aging (CLSA): Call for Proposals

The CLSA is a large, national, long-term study of more than 50,000 men and women who were between the ages of 45 and 85 when recruited. These participants will be followed until 2033, or death. The aim of the CLSA is to find ways to help us live long and live well, and understand why some people age in healthy fashion while others do not.

Researchers must notify Laura Harrington, Managing Director, MIRA, of their intent to apply for CLSA data access to be considered for MIRA funding. MIRA funds are allocated only to projects that do not have any other funding for this purpose.

MIRA membership is required to be eligible.

Data access applications are accepted three times per year.

**Funding Details:** MIRA can support access fees of $3,000 for a maximum 10 applications.

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**Sponsor Deadline:** Ongoing

Please contact Audrey Patocs at patocsae@mcmaster.ca with intent to apply or any inquiries. Applications will be handled through the MIRA office.

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

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

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

**Additional Details**

**Sponsor Deadline:** Ongoing

Please contact Audrey Patocs at patocsae@mcmaster.ca with intent to apply or any inquiries. Applications will be handled through the MIRA office.

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**MITACS Globalink Research Award**

The Mitacs Globalink Research Award provides funding for senior undergraduate and graduate students, and postdoctoral fellows in Canada to conduct 12–24-week research projects at universities overseas. The following opportunities support travel and research from Canada to universities in:

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

**Funding Details:** $6,000 to conduct 12-24-week research projects at universities overseas.

**Additional Details**

**Sponsor Deadline:** Ongoing

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**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

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

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**Weston Brain Institute: Big Ideas**

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.

Based on success of previous programs, the Institute is expanding our support to new formats while maintaining the same mandate of accelerating the developments of therapeutics for neurodegenerative diseases of aging through translational research.

The Institute is considering supporting a large-scale, pivotal project to significantly advance research in our field. With this call, we are seeking to identify highly impactful ideas for consideration. Of particular interest are ideas that will establish Canada as the world leader in a particular area.

**Goal:** To support a large-scale, pivotal project that will significantly and sustainably advance research in the field of translational research on neurodegenerative diseases of aging.

**Funding Details:** From $5,000,000 to $20,000,000.

**Additional Details**

**Sponsor Deadline:** Ongoing

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**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

### 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*

### 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*

### Department of Defense (DoD) Kidney Cancer Research Program (KCRP): Clinical Consortium Award

The KCRP Clinical Consortium Award is intended to support a major goal, a consortium of exceptional institutions and leading investigators to advance high-impact, novel therapeutic strategies and interventions to improve patient outcomes and significantly decrease the impact of the disease (the “Consortium”). The objectives of the Consortium shall be to design, develop, and conduct Phase I or Phase II-linked Phase I (Phase I/II) clinical trials of promising therapeutic agents for the prevention, detection/diagnosis, management, or treatment of kidney cancer. The KCRP Clinical Consortium Award provides the support to develop and enhance collaborations and resources necessary for a network of organizations to rapidly execute investigator-initiated kidney cancer clinical trials. Support from this award is directed toward Consortium infrastructure needs rather than direct support of the research itself.

Applicants are expected to demonstrate a broad understanding of kidney cancer research, including knowledge of the current state of clinical studies and clinical priorities related to kidney cancer and are encouraged to familiarize themselves with the KCRP’s Strategic Plan, and to consider this material when preparing their application.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 KCRP Clinical Consortium Award will not exceed $3M for the Coordinating Center and will not exceed $600,000 for each Clinical Trial Site. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

**Additional Details**

**LOI Deadline:** September 17, 2019 (A pre-application is required and must be submitted through eBRAP)

**Internal HRS Deadline:** September 17, 2019

**Sponsor Deadline:** October 1, 2019
**Department of Defense (DoD) Kidney Cancer Research Program (KCRP): Concept Award**

The FY19 KCRP Concept Award supports highly innovative, untested, potentially groundbreaking novel concepts in kidney cancer. The Concept Award is not intended to support an incremental progression of an already established research project but, instead, it allows Principal Investigators (PIs) the opportunity to pursue serendipitous observations. Preliminary data are not allowed. This award mechanism supports high-risk studies that have the potential to reveal entirely new avenues for investigation. Applications must describe how the new idea will enhance the existing knowledge of kidney cancer or develop an innovative and novel course of investigation. Research completed through a Concept Award may generate sufficient preliminary data to enable the PI to prepare an application for future research.

A Congressionally mandated Metastatic Cancer Task Force was formed with the purpose of identifying ways to help accelerate clinical and translational research aimed at extending the lives of advanced state and recurrent patients. As a member of the Metastatic Cancer Task Force, CDMRP encourages applicants to review the recommendations (https://health.mil/Reference-Center/Congressional-Testimonies/2018/05/03/Metastatic-CancerResearch) and submit research ideas to address these recommendations provided they are within the limitations of this funding opportunity and fit within the FY19 KCRP priorities.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 KCRP Concept Award will not exceed $75,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

**Additional Details**
- **LOI Deadline:** September 17, 2019 (A pre-application is required and must be submitted through eBRAP)
- **Internal HRS Deadline:** September 17, 2019
- **Sponsor Deadline:** October 1, 2019

**Department of Defense (DoD) Kidney Cancer Research Program (KCRP): Idea Development Award**

The FY19 KCRP Idea Development Award is intended to support innovative ideas and high-impact approaches, based on scientifically sound evidence, to move toward the KCRP vision of eliminating kidney cancer. The research project should 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. Personnel on the proposed team should have a strong background in kidney cancer research.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 KCRP Idea Development Award will not exceed $400,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

**Additional Details**
- **LOI Deadline:** September 17, 2019 (A pre-application is required and must be submitted through eBRAP)
- **Internal HRS Deadline:** September 17, 2019
- **Sponsor Deadline:** October 1, 2019

**Department of Defense (DoD) Kidney Cancer Research Program (KCRP): Academy of Kidney Cancer Investigators - Dean Award**

The KCRP Academy of Kidney Cancer Investigators Award mechanisms, which are being offered for the first time in FY19, support a unique, interactive virtual academy providing intensive mentoring, national networking, collaborations, and a peer group for junior faculty. The overarching goal of the Academy of Kidney Cancer Investigators (AKCI) is to develop successful, highly productive kidney cancer researchers in a collaborative research and career development environment.

The AKCI is a virtual career development and research training platform that will consist of four Early-Career Investigator (ECI)/Designated Mentor pairs from different institutions, and one Academy Dean. The Academy Dean’s role will be to assure the growth and professional development of the ECIs in collaboration with their Designated Mentors, and facilitate communication and collaboration among all of the Academy members.

This FY19 funding opportunity is soliciting applications for an Academy Dean to initiate and lead the AKCI. Designated Mentors on FY19 Academy of Kidney Cancer Investigators – Early Career Investigator Award applications are not eligible for this award. A separate funding opportunity (W81XWH-19-KCRP-AKCECIA) will solicit applications for ECIs/Designated Mentors.

The Academy Dean must be an independent, established kidney cancer researcher, as evidenced by cancer research funding, publication record, and significant accomplishments within the field of cancer. The Academy Dean must demonstrate a strong record of mentoring and training junior investigators, a commitment to leadership, and the ability to objectively assess the research progress of all of the ECIs in the AKCI.
Responsibilities of the Academy Dean include, but are not limited to, the following:

- Act as a resource for all ECIs and Designated Mentors in the Academy over the 5-year period of performance.
- Facilitate communication and collaboration among all of the ECIs and Designated Mentors (including periodic interactive communication among all Academy members).
- Develop assessment criteria to evaluate the research progress made by all of the ECIs, as well as their career progression and sustainability as independent investigators in kidney cancer research.
- Provide constructive critiques with the goal of advancing the research and professional careers of the ECIs and strengthening the mentorship of the Designated Mentors.
- Provide avenues to increase the visibility of ECIs within the kidney cancer research and advocacy communities (e.g., peer review, conferences, editorial boards).
- Support the professional development, to include laboratory management skills, of the ECIs into leading researchers through invited presentations by experts outside of the AKCI.
- Plan and host a biennial multi-day workshop for all ECI/Designated Mentor pairs to present their research, share knowledge, develop mentoring skills, and develop collaborative efforts within the Academy. In alternate years, plan and host a 1-day KCRP AKCI workshop.
- Assemble an Advisory Board to the Dean of the Academy, at the discretion of the Dean.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 KCRP AKCIDA will not exceed $625,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

**Additional Details**

**LOI Deadline:** September 17, 2019 (A pre-application is required and must be submitted through eBRAP)

**Internal HRS Deadline:** September 17, 2019

**Sponsor Deadline:** October 1, 2019

**Department of Defense (DoD) Kidney Cancer Research Program (KCRP): Academy of Kidney Cancer Investigators – Early Career Investigator Award**

The KCRP Academy of Kidney Cancer Investigators Award mechanisms, which are being offered for the first time in FY19, support a unique, interactive virtual academy providing intensive mentoring, national networking, collaborations, and a peer group for junior faculty emerging as potential leaders of kidney cancer investigation. The overarching goal of the Academy of Kidney Cancer Investigators (AKCI) is to develop successful, highly productive kidney cancer researchers in a collaborative research and career development environment.

The AKCI will be a virtual career development and research training platform that will consist of Early-Career Investigator (ECI)/Designated Mentor pairs from different institutions, and an Academy Dean. The KCRP AKCIECIA is not a traditional career development award; the ECI is expected to participate in monthly webinars and annual workshops and to communicate and collaborate with other members of the Academy (other ECIs, Mentors, Dean) as well as with the advocacy community.

The Academy Dean will serve as a resource for the ECIs and Mentors, assessing the progress of the ECIs, and facilitating communication and collaboration among all of the ECIs and Mentors, as well as with national research and advocacy communities. In addition to fostering ECI scientific development, the Academy, through its leadership by the Academy Dean, will provide for professional and leadership development of the ECIs to include skills and competencies needed to fund and manage a productive laboratory or research team. A separate funding opportunity (W81XWH-19-KCRP-AKCIDA) will solicit applications for the Academy Dean.

This FY19 Program Announcement is soliciting ECIs and Designated Mentors to join the inaugural class for the Academy. This award mechanism enables the ECI (the investigator named as the Principal Investigator [PI] on the application) to pursue a kidney cancer project that may be basic, translational, and/or clinical research. The Designated Mentor is not required to be at the same institution as the ECI.

The KCRP encourages applications from ECIs whose ability to commit to conducting kidney cancer research is limited by minimal resources or a lack of resources, such as a qualified Designated Mentor at his/her institution, access to kidney cancer research tools, opportunities for establishing collaborations, or other obstacles, which should be identified in the application.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 KCRP AKCIECIA will not exceed $725,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

**Additional Details**

**LOI Deadline:** September 17, 2019 (A pre-application is required and must be submitted through eBRAP)
**Department of Defense (DoD) Kidney Cancer Research Program (KCRP): Translational Research Partnership Award**

The FY19 KCRP Translational Research Partnership Award supports partnerships between clinicians and research scientists that will accelerate the movement of promising ideas in kidney cancer toward clinical applications. This award supports the development of translational research collaborations between two independent, faculty-level (or equivalent) investigators to address a central problem or question in kidney cancer in a manner that would be less readily achievable through separate efforts. One partner in the collaboration must be a research scientist and the other must be a clinician. It should be clear that both have had equal intellectual input in the design of the research project. Multi-institutional partnerships are encouraged. At least one member of the partnership must have experience either in kidney cancer research or kidney cancer patient care. Inclusion of experts from outside the kidney cancer field is encouraged. A proposed project in which the clinical partner merely supplies tissue samples or access to patients will not meet the intent of this award mechanism.

Preliminary data to support the feasibility of the research hypothesis and research approaches are required; however, these data do not necessarily need to be derived from studies of kidney cancer.

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. The ultimate goal of translational research is to move a concept or observation forward into clinical application that is relevant to active duty Service members, Veterans, other military beneficiaries, and the American public. However, members of the partnership should not view translational research as a one-way continuum from bench to bedside. The research plan must involve a reciprocal flow of ideas and information between basic and clinical science. There should be an intellectual synergistic partnership between the clinic and the laboratory.

The success of the project must be supported by the unique skills and contributions of each partner. The proposed study must include clearly stated plans for interactions between the Principal Investigators (PIs) and institutions involved. The plans must include communication, coordination of research progress and results, and data transfer. Additionally, multi-institutional applications must provide an intellectual property plan to resolve potential intellectual and material property issues and to remove institutional barriers that might interfere with achieving high levels of cooperation to ensure the successful completion of this award.

The Translational Research Partnership Award is structured to accommodate two PIs, referred to as the Initiating PI and the Partnering PI, each of whom will receive a separate award. The Initiating and Partnering PIs have different submission requirements as described in Section II.D.2, Content and Form of the Application Submission; however, both PIs should contribute significantly to the development of the proposed research project including the Project Narrative, Statement of Work, and other required components. It is the responsibility of the PIs to describe how their combined expertise will better address the research question and explain why the work should be done together rather than through separate efforts.

**Funding Details:** The anticipated combined direct costs budgeted for the entire period of performance for an FY19 KCRP Translational Research Partnership Award will not exceed $600,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

**Additional Details**

**LOI Deadline:** September 17, 2019 (A pre-application is required and must be submitted through eBRAP)
**Internal HRS Deadline:** September 17, 2019
**Sponsor Deadline:** October 1, 2019

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**Department of Defense (DoD) Psychological Health/Traumatic Brain Injury Research Program (PH/TBIRP): Prevention Research to Reduce Sexual Assault and/or Understand Adjustment Disorders Investigator-Initiated Focused Research Award (PSAAD-IIFRA)**

**Impact:** The FY19 PH/TBIRP PSAAD IIFRA is intended to support research focused on: (1) the development or adaptation of prevention efforts to reduce the occurrence of sexual assault and/or harassment and/or (2) understanding the diagnosis, assessment, and screening of adjustment disorders as a consequence of sexual assault and/or stressors that precipitate adjustment disorders.

The application must clearly demonstrate the project’s potential immediate and long-range outcome(s) with the potential to yield highly impactful data that are of clear scientific merit and could lead to critical discoveries and/or major advancements and not be limited to a clinical setting such as a behavioral health clinic.
The rationale for a research idea may be derived from population-based studies, a clinician's first-hand knowledge of patients, or anecdotal data. Applications must include relevant data that support the rationale for the proposed study. The data may be unpublished or from published literature.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for the FY19 PH/TBIRP PSAAD IIFRA will not exceed $750,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

### Additional Details

**LOI Deadline:** September 19, 2019 (A pre-application is required and must be submitted through eBRAP)

**Internal HRS Deadline:** September 19, 2019

**Sponsor Deadline:** October 3, 2019

#### Department of Defense (DoD) Psychological Health/Traumatic Brain Injury Research Program (PH/TBIRP): Complex Traumatic Brain Injury Rehabilitation Research – Clinical Research Award (CTRR – CRA)

The FY19 PH/TBIRP CTRR-CRA is intended to support clinical research focused on understanding the clinical sequelae and mechanisms of recovery associated with mTBI and TBI related cognitive, sensory, and motor performances. The overarching goals of this award are to address TBI-related impairments and deficits, including multi-modal and cognitive dysfunction, to (1) develop and validate rehabilitation outcome measures; (2) systematically analyze standard of care cognitive interventions to identify optimal treatment ingredients; and (3) improve clinician-driven assessment strategies to guide RTD decision-making.

The FY19 PH/TBIRP CTRR-CRA seeks research to develop and validate novel outcome measures that will characterize and track functional cognitive, sensory, and motor performance deficit in Service members and relevant populations with cognitive dysfunction following TBI; and to identify key treatment approaches to optimize cognitive rehabilitation following TBI, as consistent with the mission of the JPC-8/CRMRP.

The FY19 PH/TBIRP CTRR-CRA mechanism supports applied and translational clinical research to advance the development of knowledge and materiel products for rehabilitation and restoration of function following TBI. Applicants should explain how their work will inform the development, refinement, and/or revision of existing standards of care, clinical recommendations, or guidelines.

TBI is defined as being caused by (1) a direct blow or impact to the head, (2) a penetrating head injury, or (3) an exposure to external forces such as blast waves that disrupt the function of the brain. Not all blows to the head or exposure to external forces result in a TBI. The severity of TBI may range from “mild,” a brief change in mental status or consciousness, to “severe,” an extended period of unconsciousness or confusion after the injury. A complex mTBI is a multifaceted condition resulting after mTBI with comorbidities and related deficits in the areas of cognition, sensorimotor, and performance. Classification of TBI severity can be found in Table 1 of the VA/DoD Clinical Practice Guideline for the Management of Concussion/Mild Traumatic Brain Injury.

**Funding Details:** The anticipated total costs budgeted for the entire period of performance for an FY19 PH/TBIRP CTRR-CRA will not exceed $2.0 million (M). Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

### Additional Details

**LOI Deadline:** September 10, 2019 (A pre-application is required and must be submitted through eBRAP)

**Internal HRS Deadline:** November 18, 2019

**Sponsor Deadline:** December 2, 2019

#### Department of Defense (DoD) Psychological Health/Traumatic Brain Injury Research Program (PH/TBIRP): Complex Traumatic Brain Injury Rehabilitation Research – Clinical Trial Award (CTTR – CTA)

The FY19 PH/TBIRP CTRR-CTA supports the rapid implementation of clinical trials with the potential to have a significant impact on the treatment or management of complex TBI. Clinical trials may be designed to evaluate promising products, pharmacologic agents (drugs or biologics), devices, clinical guidance, and/or emerging approaches and technologies. Proposed projects may range from small proof-of-concept trials (e.g., pilot, first in human, Phase 0) to demonstrate feasibility or inform the design of more advanced trials through large-scale trials to determine efficacy in relevant patient populations.

TBI is defined as being caused by (1) a direct blow or impact to the head, (2) a penetrating head injury, or (3) an exposure to external forces such as blast waves that disrupt the function of the brain. Not all blows to the head or exposure to external forces result in a TBI. The severity of TBI may range from “mild,” a brief change in mental status or consciousness, to “severe,” an extended period of unconsciousness or confusion after the injury. A complex TBI is a multifaceted condition resulting after mTBI with comorbidities and...
related deficits in the areas of cognition, sensorimotor, and performance. Classification of TBI severity can be found in Table 1 of the VA/DoD Clinical Practice Guideline for the Management of Concussion-Mild Traumatic Brain Injury.

**Funding Details:** The anticipated total costs budgeted for the entire period of performance for an FY19 PH/TBIRP CTRR-CTA will not exceed $4.0 million (M). Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

**Additional Details**

**LOI Deadline:** September 10, 2019 (A pre-application is required and must be submitted through eBRAP)

**Internal HRS Deadline:** November 18, 2019

**Sponsor Deadline:** December 2, 2019

*Department of Defense (DoD) Chronic Pain Management Research Program (CPMRP): Investigator-Initiated Research Award*

The intent of the FY19 CPMRP IIRA is to support studies that have the potential to make significant advances in research, patient care, and/or quality of life in the FY19 CPMRP IIRA Focus Area, Chronification of Pain. Through understanding the determinates of transition from acute to chronic pain and development of therapies that block the process of chronification, the CPMRP seeks to prevent the manifestation of chronic pain and thus reduce the population requiring pain management interventions. IIRA applications may involve any phase of basic, translational, and clinically oriented research, including studies in animal models, research with human anatomical substances, and research with human subjects, as well as ancillary studies associated with an existing clinical trial; however, this award may not be used to conduct clinical trials. Multidisciplinary collaborations and innovative approaches are encouraged.

Important aspects of this award mechanism include:

- **Impact:** Applications should articulate both the short- and long-term impact of the proposed research. The proposed research project should impact the understanding of the acute-to-chronic transition of pain and, if successful, make important contributions toward the goals of advancing chronic pain research, patient care, and/or improving quality of life for those managing chronic pain.

- **Innovation:** The proposed research should be innovative. Innovative research may introduce new insights, technologies or paradigms, challenge existing paradigms, look at existing problems from new perspectives, or exhibit other highly creative qualities. Incremental advances upon published data or the next logical step are not considered innovative.

- **Preliminary Data:** Observations that drive a research idea may be derived from laboratory discovery, population-based studies, a clinician’s first-hand knowledge of patients, or anecdotal data. Applications must include preliminary and/or published data that are relevant to the mission of the CPMRP and support the proposed research project. Any unpublished preliminary data provided should originate from the laboratory of the Principal Investigator (PI) or a member(s) of the research team.

- **Multidisciplinary Collaborations:** Applications that form multidisciplinary teams of investigators who bring specific skills that contribute to the successful completion of the project are encouraged. This is expected to include both intellectual input and research resources (e.g., supplies, reagents, equipment, personnel, services, tissue samples, or access to patients or populations).

- **Relevance to Military Health:** Projects should be relevant to Service members, Veterans, and/or their family members or beneficiaries suffering from chronic pain. Collaboration with military and VA researchers and clinicians is encouraged.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 CPMRP IIRA will not exceed $900,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

**Additional Details**

**LOI Deadline:** September 13, 2019 (A pre-application is required and must be submitted through eBRAP)

**Internal HRS Deadline:** November 18, 2019

**Sponsor Deadline:** December 6, 2019

*Department of Defense (DoD) Chronic Pain Management Research Program (CPMRP): Translational Research Award*

The intent of the FY19 CPMRP TRA is to support translational research that will accelerate the movement of evidence-based ideas in chronic pain management research into clinical applications, including healthcare products, technologies, and/or clinical practice guidelines. TRA applications should explain how the proposed work will inform the development, refinement, and/or revision of existing standards of care, recommendations, or guidelines for managing chronic pain. Studies seeking to develop novel pharmacological therapies or nonpharmacological approaches that consist entirely of a clinical trial do not meet the intent of the award mechanism. Clinical trials evaluating opioid-based therapeutic interventions are not allowed.

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The critical components of this award mechanism are:

- **Translation**: The TRA is intended to support research that demonstrates the potential to have a major impact on the treatment and management of chronic pain. The proposed study should demonstrate how the research will translate application of existing non-opioid nonaddictive interventions with a degree of known efficacy from the controlled setting of clinical evaluation to the diverse setting of regular patient care, taking into consideration the specific needs of at-risk populations, such as active duty Service members and Veterans. This must be accomplished by addressing one or both of the FY19 CPMRP TRA Focus Areas. The research should be geared toward near-term clinical applicability with the potential of making an immediate impact on the identified target population. Clinical trials are allowed but should be restricted to pain management interventions that have already been shown to be efficacious in some clinical settings. The application must articulate the potential translational impact the proposed project will have on Service members, Veterans, and/or their family members or beneficiaries managing chronic pain. Translational research will, if successful, accelerate the movement of promising ideas into clinical applications. The TRA is intended to support established projects that have moved beyond the realm of basic research and have the potential to result in a near-term impact in clinical research or the clinic.

- **Preliminary Data**: The TRA is intended to support translational investigations that improve the application of known efficacious treatments of chronic pain by identifying and eliminating barriers to implementation or pairing patients with treatment regimens based on relative measures of effectiveness. Given the strong clinical focus, the TRA is not intended for basic research to generate preliminary data. Applications must include preliminary data to support feasibility of the study. Any unpublished, preliminary data provided should originate from the laboratory of the Principal Investigator (PI) or a member(s) of the research team.

- **Hybrid Studies**: Effectiveness-implementation hybrid type 2 and type 3 studies are encouraged.

- **Biopsychosocial Model of Assessment**: Comparative effectiveness and effectiveness-implementation hybrid type 2 and type 3 studies are encouraged to incorporate a biopsychosocial model of assessment that includes pain interference in emotional and physical function.

- **Military Collaboration**: Applications that pursue collaborations within the military services and propose studies involving the Military Health System (MHS) and military treatment facilities (MTFs) are encouraged.

**Funding Details**: The anticipated direct costs budgeted for the entire period of performance for an FY19 CPMRP TRA will not exceed $1.40M. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

**Additional Details**

**LOI Deadline**: September 13, 2019 (A pre-application is required and must be submitted through eBRAP)

**Internal HRS Deadline**: November 22, 2019

**Sponsor Deadline**: December 6, 2019