

News & Events

**CIHR INFO SESSION**

**Mark your calendar!** Health Research Services in the Faculty of Health Sciences will be holding a CIHR Info Session. Equip yourself with the latest information from CIHR on recent policy and funding mechanism changes, and all things related to CIHR and HRS processes around CIHR competition submissions. Lori Burrows, McMaster's CIHR University Delegate, and several other CIHR funded and past peer review committee members will be present to inform tips and tricks related to increasing your success with CIHR submissions.

**DATE:** Thursday, May 30, 2019  
**TIME:** 1:30-3:30 pm\*  
**PLACE:** MDCL 3020

*\*There will be a mid-session break and light snacks and refreshments will be available*

RSVP to <https://www.eventbrite.ca/e/cihr-information-session-tickets-60869251570>. Registration will be open until May 24<sup>th</sup>.

Attendance is strongly recommended for anyone intending to apply to CIHR for the September 2019 Project Grant competition. **Feel free to forward this invitation to all related and interested parties.**

**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
- Researchers seeking submit under the current CRD and Engage programs have until May 31<sup>st</sup> to apply – please contact your MILO advisor as soon as possible if you plan on submitting under the current programs
- 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](mailto: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.

## **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. Recognizing the vital role smaller and rural communities play in the region's economy, as well as their unique needs and opportunities, 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](mailto:rcaldwell@mitacs.ca) located at McMaster Industry Liaison Office (MILO). <https://www.mitacs.ca/en/programs>

## **Host a Clinical Trials Intern**

Western University's Clinical Trials Management post-degree diploma is now recruiting hosts and sites for summer practicums. If you are interested in more information, please connect with Katrina McIntosh, [Katrina.mcintosh@uwo.ca](mailto:Katrina.mcintosh@uwo.ca), 519-661-2111 x85211, or check out further details at <http://hostanintern.uwo.ca>.

The Clinical Trials Management program is a one-year post-degree program that includes 9 clinical trials courses and a mandatory practicum. Enrollment is competitive and candidates must have an undergraduate Science or Health Science degree. In order to graduate from the program, students must complete a 400-hour practicum which is scheduled to run from May – August, 2019 (end dates vary based on hours/week at the site, which is flexible).

## **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](#).

#### **Labarge Graduate Scholarships in Mobility in Aging**

**Deadline to apply: May 15**

**Funding available: One award each of \$15,000 (Master's) and \$18,000 (PhD)**

Students beginning a new graduate degree are eligible to apply for the Labarge Graduate Scholarship. The student's research focus must be related to aging and mobility, and requires both a MIRA supervisor and a mentor from a Faculty outside of the supervisor's. For more information, [click here](#).

#### **AGE-WELL/MIRA Co-Funded Trainee Awards**

**Anticipated deadline: May 31**

**Available funding: Master's level \$15,000, PhD level \$18,000, Postdoctoral \$50,000**

MIRA and AGE-WELL have partnered to co-fund awards for trainees who are working to drive innovation and create technologies and services that benefit older adults and caregivers. Projects must fit within AGE-WELL's vision to harness and build upon the potential of emerging and advanced technologies in areas such as artificial intelligence (AI), e-health, information communication technologies (ICTS), and mobile technologies to stimulate technological, social, and policy innovation. Funding period is September 2019 - March 2020. To be eligible for this funding, McMaster applicants must notify MIRA research coordinator Audrey Patocs ([patocsae@mcmaster.ca](mailto:patocsae@mcmaster.ca)) of their intent to be considered for the award. [More information](#).

### **RESEARCH GRANTS**

#### **Canadian Longitudinal Study on Aging: Call for Proposals**

**2019 application deadlines: June 3, and 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](mailto: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](#) and [here](#).

### **Research Project Management Course at UofT**

Good project management is vital to the success of major research projects. UofT has developed [a course specifically tailored for the project management of research projects](#). The course has been adapted for research project management through the collaboration of an Advisory Group of faculty and staff, the School of Continuing Studies, staff from the Division of the Vice-President, Research & Innovation, and the instructor, Dr. Alison Paprica. Dr. Paprica (Assistant Professor [status] at the U of T Institute of Health Policy, Management & Evaluation), was previously the Director responsible for up to \$60 million/year of government research funding and has also led numerous large-scale R&D projects in the private, public and not-for-profit sectors.

The course is designed for faculty researchers, staff scientists, post-doctoral fellows, research coordinators and those interested in a path to management and research leadership. This is the second year the course is being offered. Last year, given demand for the fall course, we mounted an additional section for the winter.

Information and registration can be found at [3382 Project Management for Research](#).

### **Invitation for feedback: Prioritizing Future Challenges for Canada**

Canada's three research granting agencies, the Canadian Institutes of Health Research, the Natural Sciences and Engineering Research Council of Canada, the Social Sciences and Humanities Research Council of Canada (CIHR, NSERC, SSHRC), and the Canada Foundation for Innovation, are seeking your expertise to help prioritize which future challenges identified through a recent horizon scan are considered most important for Canada.

Outcomes from this consultation may also be leveraged to support the priorities of the [Canada Research Coordinating Committee](#) (CRCC), notably to advance efforts in identifying key emerging research areas. Stakeholders from all four agencies are invited to participate in this consultation. Information on the CRCC's priorities is available on the CRCC's website. Building upon the success of SSHRC's 2014 Imagining Canada's Future initiative, the granting agencies partnered with Policy Horizons Canada, a federal centre of foresight expertise, to undertake a horizon scan as a first step in identifying future challenges for Canada over the next 10 to 15 years.

Policy Horizons Canada drew on sources from across digital media, academic studies, and foresight projects to identify and analyze change data for its global scan. They also conducted a literature review of over 600 early change indicators, and examined additional materials produced by Policy Horizons Canada, government departments and agencies, and other organizations around the world. These approaches were complemented by an online questionnaire engaging various key networks and foresight communities from more than 60 countries.

The scan has identified 16 future challenges with the potential to shape society in profound ways, and which are all multi-disciplinary and require broad collaboration to address. The granting agencies ask that you select one top challenge and explore its possible impacts through a brief survey. For the challenge you select, you will be asked a series of questions. You will have the option of repeating the exercise for a challenge you deem of next-most importance. The granting agencies are inviting input from a variety of individuals across the academic, private, public and not-for-profit sectors, in Canada and internationally. Beyond the 16 challenges identified in the horizon scan, you have the opportunity to identify additional challenges deemed critical to Canada's future.

By taking part in their brief prioritization exercise, using the Futurescaper crowdsourcing tool, you will help to identify which challenges to consider for possible future programming and/or corporate activities. Once you have reviewed the 16 future challenges, the exercise will take you about 10 to 15 minutes to complete. To begin, please follow this link: [FUTURE CHALLENGES PRIORITIZATION](#)

Results of this foresight exercise will be available by spring 2019. Responses are anonymous, and results will be aggregated to ensure anonymity.

Associated Links:

[Imagining Canada's Future initiative](#)  
[Policy Horizons Canada](#)

[Canada Research Coordinating Committee](#)  
[Social Sciences and Humanities Research Council of Canada](#)  
[Natural Sciences and Engineering Research Council of Canada](#)  
[Canadian Institutes of Health Research](#)  
[Canada Foundation for Innovation](#)

### **Compilation of GDPR Guidances 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>

## Health Research Grant Competitions

*Programs administered by Health Research Services, unless otherwise indicated. Email: [hsresadm@mcmaster.ca](mailto:hsresadm@mcmaster.ca)*

Funding Opportunity (CIHR)	LOI Deadline	Internal HRS Deadline	Sponsor Deadline
<a href="#">CIHR – Operating Grant: 9th Joint Programming Initiative on Antimicrobial Resistance (JPIAMR)</a>		June 3	June 17
<a href="#">CIHR – Operating Grant: CIHR Summer Institute on Equitable AI for Public Health</a>		June 4	June 18
<b>*NEW*</b> <a href="#">CIHR – Operating Grant: Network Environments for Indigenous Health Research (NEIHR)</a>		Aug 21	Sept 4
<a href="#">CIHR – Team Grant: Canadian Cancer Society Cancer Survivorship</a>	May 29	Aug 27	Sept 10
<b>*NEW*</b> <a href="#">CIHR – Operating Grant: Knowledge Synthesis Grant: Socio-Economic Burden of Inherited Disease</a>		Sept 3	Sept 17
<a href="#">CIHR – Team Grant: Cannabis Research in Priority Areas</a>	May 15	Sept 24	Oct 8
<a href="#">CIHR – Team Grant: Next Generation Networks for Neuroscience (NeuroNEX)</a>	June 14	Nov 29	Dec 13
Funding Opportunity (Non-CIHR)	LOI Deadline	Internal HRS Deadline	Sponsor Deadline
<a href="#">Brain Canada Foundation: 2019 Turnbull-Tator Award in Spinal Cord Injury and Concussion Research</a>		May 6	May 20
<a href="#">Active &amp; Assisted Living Programme: Sustainable Smart Solutions for Ageing Well Call for Proposals</a>		May 10	May 24
<a href="#">Asthma Canada-CAAIF Goran-Enhoring Graduate Student Research Award: Early-onset Asthma Research Award</a>		May 17	May 31
<a href="#">Asthma Canada-CAAIF Bastable-Potts Graduate Student Research Award: Late-onset Asthma Research Award</a>		May 17	May 31
<a href="#">Child Health Foundation: Innovative Small Grants Program</a>		May 17	May 31
<a href="#">Samsung Global Research Outreach: Physical &amp; Mental Health</a>	ASAP to MILO		June 24 MILO
<a href="#">Arthritis Society: Stars Career Development Award</a>	May 22	June 12	June 26
<b>*NEW*</b> <a href="#">Lung Cancer Canada: Geoff Ogram Memorial Research Grant</a>		June 14	June 28
<b>*NEW*</b> <a href="#">Canadian Blood Services: Blood Efficiency Accelerator Award Program</a>		July 2	July 15

<a href="#">Weston Brain Institute Rapid Response Parkinson's &amp; Related Diseases</a>	May 15	July 2	July 16
<a href="#">Weston Brain Institute Transformational Research Parkinson's &amp; Related Diseases</a>	May 15	July 2	July 16
<a href="#">Pharmacotherapies for Alcohol and Substance Abuse Consortium (PASA): Grant Program – (RFA) #4b</a>	May 13	July 8	July 22
<a href="#">Alzheimer's Drug Discovery Foundation, Diagnostics Accelerator: Digital Biomarkers</a>	June 7	Aug 2	Aug 16
<a href="#">Ontario Genomics: Genomics in Society Interdisciplinary Research Teams Program (GiSIRT)</a>	May 27	Aug 9	Aug 23
<b>*NEW*</b> <a href="#">Hamilton Community Foundation: Edith H. Turner Foundation Fund</a>		Aug 30	Sept 13
<a href="#">Canadian Cancer Society: Travel Awards</a>			Ongoing
<a href="#">Canadian Cancer Society: Junior Investigator Grant Panel Travel Award</a>			Ongoing
<a href="#">SickKids Foundation: Community Conference Grants</a>			Ongoing
<a href="#">Cancer Research Society: Translational Research Partnership Program</a>			Ongoing
<a href="#">HHS: Clinical Health Professional Travel Awards</a>			Ongoing
<a href="#">The Ontario HIV Treatment Network (OHTN), Endgame Funding Program: Community-Based Research and Evaluation (CBR&amp;E) Awards</a>			Ongoing
<a href="#">Ontario Brain Institute (OBI): Event Funding Program</a>			Ongoing
<a href="#">Crohn's &amp; Colitis Foundation: IBD Ventures</a>			Ongoing
<a href="#">Ontario Genomics: Genomic Applications Partnership Program (GAPP)</a>			Ongoing
<a href="#">Weston Brain Institute Postdoctoral Scholars at Oxford</a>			Ongoing
<a href="#">Weston Brain Institute International Fellowships: Canada</a>			Ongoing
<a href="#">Alzheimer's Drug Discovery Foundation: Prevention Beyond the Pipeline</a>			Ongoing
<a href="#">Alzheimer's Drug Discovery Foundation: Drug Discovery Program</a>			Ongoing
<a href="#">Alzheimer's Drug Discovery Foundation: Neuroimaging &amp; CSF Biomarker Development Program</a>			Ongoing
<a href="#">McMaster University, McMaster Institute for Research on Aging (MIRA), Canadian Longitudinal Study on Aging (CLSA): Call for Proposals</a>			Ongoing MIRA
<a href="#">McMaster University, McMaster Institute for Research on Aging (MIRA), Labarge Centre for Mobility in Aging (LCMA): Matching Funds for Research Opportunities</a>			Ongoing MIRA
<a href="#">MITACS Globalink Research Award</a>			Ongoing MILO
<a href="#">MITACS Accelerate Fellowship</a>			Ongoing MILO
<a href="#">Weston Brain Institute: Big Ideas</a>			Ongoing
<a href="#">Weston Brain Institute: Early Phase Clinical Trials: Canada</a>			Ongoing
<a href="#">OCE Voucher for Innovation and Productivity II (VIP II) Program</a>			Ongoing MILO
<a href="#">MITACS Accelerate Program</a>			Ongoing MILO
Funding Opportunity (DoD) (eBRAP account required – must be validated by McMaster prior to any submission)	LOI Deadline	Internal HRS Deadline	Sponsor Deadline

<a href="#">Department of Defense (DoD) Neurofibromatosis Research Program (NFRP): Clinical Trial Award</a>	May 23	May 23	June 6
<a href="#">Department of Defense (DoD) Neurofibromatosis Research Program (NFRP): Exploration – Hypothesis Development Award</a>	May 23	May 23	June 6
<a href="#">Department of Defense (DoD) Neurofibromatosis Research Program (NFRP): Investigator-Initiated Research Award</a>	May 23	May 23	June 6
<a href="#">Department of Defense (DoD) Neurofibromatosis Research Program (NFRP): New Investigator Award</a>	May 23	May 23	June 6
<a href="#">Department of Defense (DoD) Neurofibromatosis Research Program (NFRP): Early Investigator Research Award</a>	May 23	May 23	June 6
<a href="#">Department of Defense (DoD) Parkinson's Research Program (PRP): Early Investigator Research Award</a>	July 9	July 10	July 24
<a href="#">Department of Defense (DoD) Parkinson's Research Program (PRP): Investigator-Initiated Research Award</a>	July 9	July 10	July 24
<a href="#">Department of Defense (DoD) Lung Cancer Research Program (LCRP): Career Development Award</a>	Aug 1	Aug 7	Aug 21
<a href="#">Department of Defense (DoD) Lung Cancer Research Program (LCRP): Idea Development Award</a>	May 15	Aug 7	Aug 21
<a href="#">Department of Defense (DoD) Lung Cancer Research Program (LCRP): Investigator Initiated Translational Research Award</a>	May 15	Aug 7	Aug 21
<a href="#">Department of Defense (DoD) Lung Cancer Research Program (LCRP): Translational Research Partnership Award</a>	May 15	Aug 7	Aug 21
<a href="#">Department of Defense (DoD) Tick-Borne Disease Research Program (TBDRP): Career Development Award</a>	May 22	Aug 8	Aug 22
<a href="#">Department of Defense (DoD) Tick-Borne Disease Research Program (TBDRP): Idea Award</a>	May 22	Aug 8	Aug 22
<a href="#">Department of Defense (DoD) Tick-Borne Disease Research Program (TBDRP): Investigator-Initiated Research Award</a>	May 22	Aug 8	Aug 22
<a href="#">Department of Defense (DoD) Spinal Cord Injury Research Program (SCIRP): Clinical Trial Award</a>	May 29	Aug 13	Aug 27
<a href="#">Department of Defense (DoD) Spinal Cord Injury Research Program (SCIRP): Investigator-Initiated Research Award</a>	May 29	Aug 13	Aug 27
<a href="#">Department of Defense (DoD) Spinal Cord Injury Research Program (SCIRP): Translational Research Award</a>	May 29	Aug 13	Aug 27
<a href="#">Department of Defense (DoD) Peer Reviewed Cancer Research Program (PRCRP): Career Development Award</a>	Aug 21	Aug 28	Sept 11
<a href="#">Department of Defense (DoD) Peer Reviewed Cancer Research Program (PRCRP): Horizon Award</a>	Aug 21	Aug 28	Sept 11
<a href="#">Department of Defense (DoD) Peer Reviewed Cancer Research Program (PRCRP): Idea Award with Special Focus</a>	May 22	Aug 28	Sept 11
<a href="#">Department of Defense (DoD) Peer Reviewed Cancer Research Program (PRCRP): Impact Award</a>	May 22	Aug 28	Sept 11
<a href="#">Department of Defense (DoD) Peer Reviewed Cancer Research Program (PRCRP): Translational Team Science Award</a>	May 22	Aug 28	Sept 11
<a href="#">Department of Defense (DoD) Multiple Sclerosis Research Program (MSRP): Exploration - Hypothesis Development Award</a>	May 21	Sept 5	Sept 19
<a href="#">Department of Defense (DoD) Multiple Sclerosis Research Program (MSRP): Investigator-Initiated Research Award</a>	May 21	Sept 5	Sept 19

## **CIHR – Operating Grant: 9th Joint Programming Initiative on Antimicrobial Resistance (JPIAMR)**

The funding opportunity is expected to:

Contribute to the urgent need to curb the burden associated with the most prioritized infections in different geographical settings through international collaborations, combining complementary and synergistic research strengths and a One Health perspective.

This topic area is also suitable to reinforce collaborations involving industry and social sciences. Regional LMIC-led collaborations are welcomed. The results of the funded projects should contribute to improved understanding, monitoring and detection of AMR where efforts to curb AMR will have a global impact.

For more information, please consult the [JPIAMR](#) website.

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

- Establish the validity of new or improved diagnostic tools, technologies and methods.
- Evaluate how new or improved diagnostics can promote more prudent use of antibiotics (e.g., narrow spectrum antibiotics) in human and veterinary use.
- Rapid diagnostics (essential for optimal antimicrobial selection) and point-of-care techniques, to improve personalized or individual therapies.
- Development of new, or more efficient use and accessibility of already existing, tools, technologies and/or methods to detect AMR in multiple reservoirs, for example human, animal and environmental samples, for example:
  - Improvement and standardisation of bioinformatics pipelines, quality control, and/or modelling and analysis tools for WGS data and metadata.
  - Methods and tools for defining baseline data with regards to the natural variability of resistance genes, mobile genetic elements and/or mobilization/transfer frequencies in different types of environments and/or expanding quantitative microbial risk assessment to encompass also, e.g., ecology and evolutionary aspects of AMR.
  - Implementation strategies and/or improvement or further development of existing tools that distinguish between viral, susceptible bacterial and antimicrobial-resistant bacterial infections.

Projects are encouraged to consider the global use of the tools, technologies and methods, including use in LMIC settings (e.g. lack of laboratory facilities, affordable diagnostic tests, unreliable or unavailable electricity supplies or points-of-care-tests).

- **Funding Details:** The total amount available for this funding opportunity is CAD 1.8 million, enough to fund approximately 4 grants. This amount may increase if additional funding partners participate. The maximum amount per grant is based upon the nature of Canadian participation on the funded application as follows:
  - Canadian investigator-led Consortium (Coordinator): The maximum per grant is up to CAD 175,000 per year for up to 3 years, for a total of CAD 525,000 per grant.
  - Canadian investigator participation (Partner): The maximum per grant is up to CAD 125,000 per year for up to 3 years, for a total of CAD 375,000.
- Approved grants may receive an across-the-board cut to the budget, if necessary, to maximize the number of funded opportunities.

#### [Additional Details](#)

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

**Sponsor Deadline: June 17, 2019**

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### **CIHR – Operating Grant: CIHR Summer Institute on Equitable AI for Public Health**

The main objectives of the CIHR Summer Institute on Equitable AI for Public Health funding opportunity, led by the host institution(s) are to:

- Equip doctoral and post-doctoral [trainees](#) and [early career researchers](#) from primarily public health and, secondarily, computational sciences backgrounds with the technical skills to use AI approaches and methods to tackle key public health challenges;
- Prepare participants to address the equity implications of different AI approaches, including identifying strategies to prevent and mitigate potential inequities that could result when using AI approaches in public health research and practice, and opportunities for leveraging AI to advance health equity;
- Facilitate a high-quality, interdisciplinary learning environment that offers participants from across Canada the opportunity to interact with others from a diverse range of backgrounds and disciplines within public health and computational sciences, as well as Canadian and international leaders and implementers working in AI and public health; and
- Catalyze the development of open-access training content and materials focused on using AI approaches in public health research that can be adapted and integrated into curricula for trainees at schools of public health and related disciplines, and among staff at public health agencies across Canada.

**Funding Details:** \$525,000 over five (5) years, enough to fund one grant. This amount may increase if additional funding partners participate.

[Additional Details](#)

**Internal HRS Deadline:** June 4, 2019

**Sponsor Deadline:** June 18, 2019

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## **CIHR – Operating Grant: Network Environments for Indigenous Health Research (NEIHR)**

The purpose of the Network Environments for Indigenous Health Research (NEIHR) Program is to establish a national network of centres focused on capacity development, research and knowledge translation (KT) centred on Indigenous Peoples (i.e., First Nations, Inuit and Métis). The network of centres is intended to provide supportive research environments for Indigenous health research driven by and grounded in Indigenous communities in Canada. 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. The network of centres will also ensure continued growth, broad regional development and international collaborations.

**Capacity Building:** The funded NEIHR centres will take a comprehensive approach to building capacity in Indigenous health research by concentrating on Indigenous communities and structural factors (e.g., educational systems, institutions, research infrastructures, policy apparatus) and by focusing on individual agency (e.g., supporting trainees and researchers). The network of centres will support the development and implementation of multiple and multi-level strategies that fully engage Indigenous communities and traditional Indigenous knowledges to establish a robust and sustainable foundation for Indigenous health research. In addition, one of the successful NEIHR centres will take on the additional role of the NEIHR Coordinating Centre, which will coordinate the NEIHR centres across Canada under one governance structure and be accountable to both NEIHR-affiliated Indigenous communities and CIHR. The NEIHR Coordinating Centre will also act as the focal point for international collaboration in order to help achieve the NEIHR centres' mandate.

**Community-Based Participatory Research:** Through the network of centres, capacity for community-based participatory research (also known as community-based research) will be increased within Indigenous communities with a unique emphasis on trainees<sup>1</sup> of Indigenous ancestry. The NEIHR centres will support Indigenous community organizations in applying to CIHR to become eligible host institutions to receive CIHR funds, and will aim to increase the number of Indigenous community members (e.g., Elders and Knowledge Holders [see [Eligibility](#)]) who are CIHR-funded investigators and knowledge users. The funded NEIHR centres will also support the submission of applications by Indigenous health researchers to CIHR competitions or other funding programs, and improve the competitiveness of NEIHR-affiliated researchers and trainees for future research grants and awards.

**Co-Learning Strategies:** The funded NEIHR centres will increase options for co-learning strategies<sup>2</sup> in Indigenous community settings that are appropriate to the specific learning objectives, strategies and techniques<sup>3</sup>, and projected outcomes of the trainees, early career investigators, community research associates, established investigators who are newly recruited to Indigenous health research, knowledge users, and Indigenous grassroots community members. Co-learning strategies will also yield training materials on Indigenous-specific scholarship, Indigenous health research, Indigenous research ethics and community relationships. In this way, co-learning strategies will improve professional development skills in managing data derived from Indigenous people and provide training modules on emerging professional expectations for new science/policy/practice frontiers.

**Engagement of Networks: National Research Agenda:** The funded NEIHR centres will heighten the engagement of networks among Indigenous communities, Indigenous and non-Indigenous researchers, and interdisciplinary, multi-sectoral groups and organizations<sup>4</sup>. Thus, NEIHR grantees will support a national research agenda in Indigenous health and champion Indigenous community-based research and Indigenous research paradigms. The NEIHR Program will contribute to improved health, wellbeing, strength and resilience of Indigenous Peoples. NEIHR grantees will assemble evidence of the transformative nature of research benefiting Indigenous Peoples<sup>5</sup>, both by individual NEIHR grants and collectively, including evidence obtained from non-NEIHR grants.

**Advisory, Coordination and Knowledge Translation Role:** When appropriate, the NEIHR Coordinating Centre and selected grantees will play an advisory role to CIHR and other research-related organizations on the development and implementation of policies, processes and programs that may impact Indigenous health research. When appropriate, the funded NEIHR Coordinating Centre will coordinate advice to share with other research entities, initiatives and platforms such as the Canadian Research Data Centre Network (CRDCN).

**Funding Details:** The maximum amount per grant is \$700,000 per year for 5 years, with the possibility for up to a maximum of two (2) renewals, pending successful outcomes of individual and independent evaluations conducted every five years.

[Additional Details](#)

**Internal HRS Deadline:** August 21, 2019

**Sponsor Deadline: September 4, 2019**

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## **CIHR – Team Grant: Canadian Cancer Society Cancer Survivorship**

The goal of the CCS/CIHR Cancer Survivorship Team Grant program is to improve the health outcomes for cancer survivors of all ages (pediatric, adolescent, young adult and adult) from the time of their cancer diagnosis until the time of their death or entry into palliative care. This program is not intended to focus on improving end-of-life care.

The intent of this funding opportunity is to support new intervention research designed to mitigate the challenges experienced along the survivorship journey, as well as the evaluation and validation of existing interventions to assess their potential for implementation as best practices.

The program goal will be achieved through the support of a network of multidisciplinary teams, each led by a nominated Principal Investigator and at least 2 co-Principal and/or co-Applicants, one of whom must be within their first five years as an independent researcher, drawn from at least 3 different regions of Canada (Atlantic Provinces, Central Canada, Prairie Provinces, West Coast, Northern Territories).

Collectively, successful teams will be expected to generate relevant new knowledge and to develop and evaluate practical strategies and interventions, in real world settings, that will prevent or diminish the adverse sequelae of a cancer diagnosis and have a positive impact on subsequent health outcomes for cancer survivors.

Collectively, successful teams will be expected to generate relevant new knowledge and to develop and evaluate practical strategies and interventions, in real world settings, that will prevent or diminish the adverse sequelae of a cancer diagnosis and have a positive impact on subsequent health outcomes for cancer survivors.

In addition, each team will be required to develop a well-designed plan for integration within their team of:

- Implementation science approaches aimed at facilitating the development of strategies for overcoming barriers to the adoption, adaptation, integration, scale-up and/or sustainability of evidence-based interventions. Strategies designed to integrate evidence-based interventions into specific settings are strongly encouraged.
- A research model that embodies the values of community-based participatory research (CBPR), in which survivors and their family/friend caregivers are engaged throughout the entire research process from the development of the initial research questions to the dissemination and application of research findings.
- Each team should include (have a balance of) investigators across the continuum of a research career (early, mid and late), (Assistant, Associate, Full) professorship, and diversity, with a built-in plan for mentorship and sustainability.

The program goal will be achieved through regular networking events/activities designed to support and augment individual teams' capacities to catalyze survivor/caregiver engagement and knowledge mobilization.

**Funding Details:** Teams may request up to \$500,000 per year for a maximum of \$2,500,000 over a five-year period. Grants will be non-renewable. As the total budget for this competition is \$10 million, it is anticipated that at least 4 teams will be funded in this competition. The engagement of additional partners may increase this number.

Funding will be provided to support the direct costs of research, including supplies, salaries, and equipment associated with the proposed work. Equipment requests cannot exceed 10% of the requested budget. Indirect costs are not eligible. \*Note that funds should be set aside in the budget to facilitate travel of teams for networking purposes annually.

### [Additional Details](#)

**LOI Deadline: May 29, 2019**

**Internal HRS Deadline: August 27, 2019**

**Sponsor Deadline: September 10, 2019**

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## **CIHR – Operating Grant: Knowledge Synthesis Grant: Socio-Economic Burden of Inherited Disease**

This funding opportunity lies within the scope of the efforts deployed over the past few years by the CIHR Institute of Genetics to support rare/inherited diseases researchers, patients and patients' organizations. These efforts, initiated as an exemplar under CIHR's Personalized Medicine Signature Initiative, now continues under the [Personalized Health Initiative](#), with an enhanced focus on implementation. In that spirit, the current funding opportunity addresses challenges linked to health services and policy and population health research.

Inherited diseases, often called rare or orphan diseases, are perceived as diseases affecting only a few individuals. Studies about the burden of inherited disease are currently complex as care is often provided by specialists, and these diseases are classified within a specific therapeutic area(s) rather than being recognized as the core cause, which is an inherited disease. This situation is exacerbated by the fact that the diseases coding system mainly used worldwide, the International Classification of Diseases-10 (ICD-

10), does not include specific coding for rare diseases. However, looking forward, the adoption by healthcare providers and administrative databases of the newly introduced [ICD-11](#) could facilitate these studies as rare diseases are still distributed across therapeutic areas, but are now partly coded and can be studied collectively. Hopefully, the implementation of ICD-11 will be faster than the introduction of ICD-10 in Canada. Launched by the WHO in 1992, it was adopted by the various provinces and territories from [2001 to 2006](#).

In recent years a new picture about the frequency of rare diseases has been emerging, due in part to the increased awareness of rare diseases. In addition, the introduction of new sequencing technologies – that have increased the speed and decreased the cost of identifying mutations that are causal for rare diseases – also contributed to better appreciation of the impact of these diseases. Indeed, [it is estimated that](#) 75% of inherited diseases affect children where 1 in 15 children are born with an inherited condition, 1 in 4 beds in paediatric wards are thought to be occupied by a child with an inherited disease and 1 in 3 children with an inherited disease die before they reach their fifth birthday. This picture currently shows that, collectively, inherited diseases are far from being rare and indeed are a major (if not the main) contributor to childhood mortality and morbidity in Canada. However, these are currently estimates, and true numbers for Canada are lacking. To-date, one other aspect that has been under-evaluated is the economic burden (direct and indirect costs) of inherited diseases.

Considering this, as well as [CIHR's mandate](#), the purpose of this funding opportunity is to support teams of researchers and knowledge users to produce knowledge syntheses that will contribute to the use of synthesized evidence in decision making and practice. This funding opportunity is expected to generate a clear picture of the mortality, morbidity and burden of inherited diseases in the Canadian context, with the economic costs focused on direct cost to the health care system. A comparison of current Canadian information to information from other jurisdictions where similar analyses have been completed would be welcome.

For this call, inherited disease is defined as a disease that can be passed from one generation to the next and would include de novo mutations found in germline cells but would exclude 'rare' non-inheritable conditions (e.g. retinopathy of prematurity and most (but not all) childhood cancers).

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

[Additional Details](#)

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

**Sponsor Deadline: September 17, 2019**

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## **CIHR – Team Grant: Cannabis Research in Priority Areas**

On October 17, 2018, the Cannabis Act came into force in Canada, 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. There remain many unknowns about the use of cannabis, its health and safety effects and the behavioural, social, cultural, ethical and economic implications of legalization both nationally and across jurisdictions. A number of reports have highlighted the need for enhanced research evidence to inform policy, therapeutic practice, harm reduction, and prevention efforts.

In December 2017, CIHR invested \$1.4 million to support 14 projects to catalyze future research related to the health impacts of cannabis legalization. That catalyst grant funding opportunity had a specific focus on population health intervention research related to the legalization and regulation of non-medical cannabis in Canada. Further, in July 2018, CIHR and partners invested \$3 million to support an additional 24 projects designed to address urgent priority areas identified through a research priorities workshop held in September 2017. Identified research areas included both the potential therapeutic benefit for specific indications and the potential risks/harms of cannabis use in different populations. However, there still remain many unknowns about the health and safety effects of cannabis, as well as the behavioural, social, ethical and economic implications of legalization.

To address these issues, CIHR and partner agencies have developed an [Integrated Cannabis Research Strategy](#) (ICRS). The overarching vision of ICRS is to provide a well-coordinated series of activities to position Canada as a leader in developing the research capacity and amassing the research evidence needed on the effects of cannabis. This includes validating the potential therapeutic benefits of cannabis, as well as understanding risks and harms, and supporting policy and regulatory models for studying cannabis use (including development of common data standards). This Team Grant funding opportunity represents the first targeted funding opportunity launched under ICRS, with additional opportunities planned in the coming years.

The purpose of the current Team Grant is to explore in more detail the potential therapeutic benefits and harms associated with cannabis use in a number of targeted areas identified through previous consultations. In particular, these Team Grants will address stakeholder priorities by supporting specific defined priority areas in targeted pools, to strengthen the evidence base and to build cannabis-related research capacity.

To ensure that applications address the ethical, environmental, economic, legal, social and cultural aspects associated with cannabis research, applications should demonstrate relevant interdisciplinary expertise encompassing research domains from natural sciences

and engineering, health sciences, and social sciences and humanities, as appropriate, in their applications. Applicants must propose a knowledge translation plan and demonstrate how they will incorporate [open science](#) practices in their research program.

Applicants must integrate sex as a biological variable and gender as a social determinant of health, as appropriate, into their research to promote rigorous science that has the potential to expand our understanding of health determinants for all people. As such, applicants are required to indicate how they will account for sex (biological factor) and gender (socio-cultural factor) in the research design, methods, analysis and interpretation, and dissemination of findings. For more information and resources, please see the [Sex, Gender and Health Research](#) page on the CIHR website.

**Funding Details:** The total amount available for this funding opportunity is \$16.5 million, enough to fund approximately 11 grants. This amount may increase if additional funding partners participate. The maximum amount per grant is \$300,000 per year for up to 5 years, for a total of \$1.5 million per grant.

Of this \$ 16.5 million:

- \$ 1.5 million is available to fund an application relevant to the Cancer Pool (sponsored by the Canadian Cancer Society, ICR, and INMHA).
- \$ 1.5 million is available to fund an application relevant to the Cardio-Respiratory/Sleep Pool (sponsored by ICRH).
- \$ 1.5 million is available to fund an application relevant to the Neurodevelopment Pool (sponsored by IHDCYH).
- \$ 1.5 million is available to fund an application relevant to the Indigenous Peoples' Health Pool (sponsored by IIPH and INMHA).
- \$ 1.5 million is available to fund an application relevant to the IMHA Pain Pool (sponsored by IMHA).
- \$ 1.5 million is available to fund an application relevant to the Arthritis Pain Pool (sponsored by the Arthritis Society and INMHA).
- \$ 4.5 million is available to fund applications relevant to the Mental Health Pool (sponsored by INMHA and MHCC).
- \$ 1.5 million is available to fund an application relevant to the MS Pool (sponsored by the MS Society of Canada and INMHA).
- \$ 1.5 million is available to fund an application in any of the Research Areas pools in overall rank order of application (sponsored by INMHA).
- If any additional unrestricted funds are secured, they will be applied to fund applications in any of the indicated Research Areas pools in overall rank order of application.

#### [Additional Details](#)

**LOI Deadline: May 15, 2019**

**Internal HRS Deadline: September 24, 2019**

**Sponsor Deadline: October 8, 2019**

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### **CIHR – Team Grant: Next Generation Networks for Neuroscience (NeuroNEX)**

CIHR and FRQ have decided to support Canadian investigators on a large-scale, interdisciplinary, international brain research initiative. Understanding how behavior emerges from the dynamic patterns of electrical and chemical activity of brain circuits is universally recognized as one of the great, unsolved mysteries of science. Advances in recent decades have elucidated how individual elements of the nervous system and brain relate to specific behaviors and cognitive processes. However, there remains much to discover to attain a comprehensive understanding of how the healthy brain functions, specifically, the general principles underlying how cognition and behavior relate to the brain's structural organization and dynamic activities, how the brain interacts with its environment, and how brains maintain their functionality over time.

As part of the [Brain Research through Advancing Innovative Neurotechnologies \(BRAIN\) Initiative](#) in the United States, the US National Science Foundation (NSF) has developed the Next Generation Networks for Neuroscience (NeuroNex). The objective of the NeuroNex program is the establishment of distributed, international research networks that build on existing global investments in neurotechnologies to address overarching questions in neuroscience. The creation of such global research networks of excellence will foster international cooperation by seeding close interactions between a wide array of organizations across the world, as well as creating links and articulating alliances between multiple recently launched international brain projects. Canadian researchers are well placed to provide a leadership role within NeuroNex networks.

The goal of the NeuroNex Technology-enabled, Team-based Neuroscience solicitation is to support collaborative networks comprised of international teams of disciplinarily-diverse researchers working on a common foundational question in neuroscience. Each network will be organized around a central theme identified by the participants. Individual networks will be composed of 2 to 4 interdisciplinary research groups (IRGs), each consisting of about 3 to 6 investigators. Each IRG will have a defined intellectual role that fits within the overall research goal of the network. It is envisaged that the composition of each IRG may cut across organizations and countries, as appropriate. Through this funding opportunity, CIHR and FRQ will support Canadian investigators on NeuroNex IRGs.

**Funding Details:** The maximum amount per grant is \$250,000 per year for up to 5 years for a total of \$1,250,000 per grant.

[Additional Details](#)

**Pre-Proposal Deadline: June 14, 2019**

**Internal HRS Deadline: November 29, 2019**

**Sponsor Deadline: December 13, 2019**

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## **Brain Canada Foundation: 2019 Turnbull-Tator Award in Spinal Cord Injury and Concussion**

### **Research**

The objective of the Turnbull-Tator Award in Spinal Cord Injury and Concussion Research is to recognize an outstanding publication by a Canadian researcher, in the field of spinal cord and brain injury research (including concussion), in the last two years (January 1, 2017 to March 31, 2019). Applicants will need to demonstrate 1) the publication includes novel and ground-breaking results that represent a major advancement for the research area, and 2) the potential to generate new hypotheses. The award is open to all active investigators, in any phase of their career, conducting research at a Canadian institution.

**Funding Details:** \$50,000.

[Additional Details](#)

**Internal HRS Deadline: May 6, 2019**

**Sponsor Deadline: May 20, 2019**

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## **Active & Assisted Living Programme: Sustainable Smart Solutions for Ageing Well Call for**

### **Proposals**

AAL Call 2019 is part of the Active & Assisted Living Programme (AAL Programme) that was approved in May 2014 by the European Parliament and the Council of the European Union. As part of the work programme, the AAL Programme intends to launch a new Call for Proposals in February 2019: "Sustainable Smart Solutions for Ageing well".

The aim of the call is to support innovative, transnational and multi-disciplinary collaborative projects. Call 2019 is characterised by the following approach:

- The AAL Call 2019 is open to developing ICT-based solutions targeting any application area(s) within the AAL domain. The solutions need to be embedded in the strategies of the participating end-user organisations, service providers and business partners.
- The AAL Call 2019 allows for more flexibility regarding the scope, size and duration of the proposed projects (including small collaborative projects).

The AAL domains include solutions for Active Living, such as in work & training, for vitality & abilities, in leisure & culture, for information & communication, as well as for Assisted Living, such as in health & care, living & building, mobility & transport, safety & security.

**Funding Details:** The total amount available for a Canadian-based applicant for this funding opportunity is \$353,000 (CAD), enough to fund approximately one (1) grant. This amount may increase if additional funding partners participate. The maximum amount per grant is \$117,666 (CAD) per year for one (1) grant for a maximum of three (3) years.

[Additional Details](#)

**Internal HRS Deadline: May 10, 2019**

**Sponsor Deadline: May 24, 2019**

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## **Asthma Canada-CAAIF Goran-Enhörning Graduate Student Research Award: Early-onset Asthma**

### **Research Award**

The objective of the Graduate Student Research Awards is to create value-added opportunities for the training, education, and professional development of graduate students, to ensure continued improvement of asthma treatment therapies and progress towards finding a cure for asthma.

- Research projects must contribute to an improved understanding of the mechanisms and/or treatment, management or cure of early-onset asthma (18 years and younger).
- Applicants must be full-time graduate students pursuing a PhD in Canada.
- Applicants must be Canadian citizens or permanent residents.

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

[Additional Details](#)

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

**Sponsor Deadline: May 31, 2019**

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## **Asthma Canada-CAIF Bastable-Potts Graduate Student Research Award: Late-onset Asthma Research Award**

The objective of the Graduate Student Research Awards is to create value-added opportunities for the training, education, and professional development of graduate students, to ensure continued improvement of asthma treatment therapies and progress towards finding a cure for asthma.

- Research projects must contribute to an improved understanding of the mechanisms and/or treatment, management or cure of late-onset asthma (over 18 years).
- Applicants must be full-time graduate students pursuing a PhD in Canada.
- Applicants must be Canadian citizens or permanent residents.

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

[Additional Details](#)

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

**Sponsor Deadline: May 31, 2019**

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## **Child Health Foundation: Innovative Small Grants Program**

The objective of the Small Grants Program is to support innovative research, or innovative service projects, directed at improving the health and well-being of new-born infants during their first month of life. The CHF will consider a range of technologies and approaches including biomedical and social science projects, that show promise and may have wide-spread application. Projects must address child health issues in a developing country, or in the United States. All countries are eligible to apply.

**Funding Details:** A maximum of \$5,000 for 1 year.

[Additional Details](#)

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

**Sponsor Deadline: May 31, 2019**

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## **Samsung Global Research Outreach: Physical & Mental Health**

Theme: Physical and Mental Health

Sub Theme: Healthcare Sensors, Algorithms, and Systems

With the global increase of life expectancy, there has been a growing interest in quality of life. Healthcare is one of the most important factors in enhancing the wellness of life. Many people today use their mobile devices to track their steps, physical fitness and heartbeat, to their sleeping patterns. We are aiming to find innovative and enabling technologies that will help individuals to manage their own physical condition and can be easily integrated into our daily lives. Those could be novel solutions for the measurement of human health conditions with high accuracy and ease of use. Solutions may include sensors based on small form factor technology, health data processing algorithms based on big data analysis or Artificial Intelligence. Solutions also include healthcare device and systems enabling applications for new use case.

- Novel concepts and implementation ideas for healthcare devices & systems based on biophotonics, bioelectronics, or other mechanisms
- Healthcare devices and systems for new use cases
- Algorithms for processing health data

Theme: Mental Health

Sub Theme: Mental Health Assessment Using Mobile Devices

The goal of this call for proposal (CFP) is to call for research pertaining to the use of mobile sensing devices for the early detection of mental health conditions. The widespread adoption of smartphones and increasing popularity of other devices such as smart watches and smart home devices in the new era of Internet of Things (IoT) represent a great opportunity for digital healthcare. In particular, the ubiquity and the closeness of these mobile devices to the user represents a great opportunity to leverage them to assess mental health, which is a major growing concern in the United States. Depression affects 17 million individuals, and the economic burden of treating anxiety is nearly \$90 billion annually. The goal of the proposed research is to take steps towards building a context aware, unobtrusive, and continuous passive tracking system for mental health. The system should be adaptive and personalized to each user, while also preserving their privacy to ensure they are comfortable engaging with the system. One of the primary research challenges is identifying and extracting digital biomarkers for mental health conditions such as depression and

anxiety. Tracking disease progression outside clinical settings is also challenging, as the quality of data and inferences can be affected by uncontrolled noises. Other challenges include handling variations in device use and placement, training for unique baseline biomarker patterns among different users, validation of robustness, and reliability of the system against clinical gold-standards. This call invites research proposals in this domain, with example topics including the following:

- Leveraging mobile sensing and Internet of Things (IoT) to passively extract context and mental health bio-markers
- Combining digital biomarkers, symptoms, contextual, and patient-reported data along with prediction algorithms to enable early detection of worsening conditions and estimate severity of the disease.
- Implementing obfuscation techniques in order to preserve privacy of the user and their sensitive data

**Funding Details:** Up to \$150,000 (USD) per year.

[Additional Details](#)

**Notify MILO of intent to apply: ASAP**

**Sponsor Deadline: June 24, 2019 (June 25 Korea Standard Time)**

**\*To Apply, Contact Ryan Vieira, Contracts Advisor, MILO at [vieirara@mcmaster.ca](mailto:vieirara@mcmaster.ca) or extension 22649\***

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### **Arthritis Society: Stars Career Development Award**

The Stars Career Development award has been created to firmly establish the career of early career investigators. This salary and research funding represents a three (3) year commitment by the Arthritis Society, together with an additional three (3) year commitment by the applicant's Host Institution. The program is intended to promote creativity in all domains of arthritis-related research responsive to the Arthritis Society's strategic priorities. Applicants should review the two research themes set out in the [Arthritis Society's 2015-2020 research strategy](#): (1) improving our understanding of arthritis and finding the cure, and (2) improving the care and management of arthritis.

**Funding Details:** The maximum award per application is \$125,000 annually for up to three years (\$375,000 total), with an additional 3 years of support from the Host Institution of an equal value. These awards are non-renewable. Please see additional details for more information.

[Additional Details](#)

**Abstract Registration Deadline: May 22, 2019**

**Internal HRS Deadline: June 12, 2019**

**Sponsor Deadline: June 26, 2019**

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### **Lung Cancer Canada: Geoff Ogram Memorial Research Grant**

The Geoff Ogram Memorial Research Grant (GOMRG) supports advancement in lung cancer research programs that are anywhere in the continuum from basic, high impact discovery to translational work of direct relevance to the clinic and beyond. The goal of the GOMRG program is to provide a mechanism for scientists to study innovations and accelerate the application of new knowledge relating to the early detection of lung cancer and the etiology of lung cancer in different demographics and populations. Applications are encouraged from, but not limited to, the areas of biomedical, clinical, health services, social, and population health research.

The overall goal of the GOMRG is to reduce the burden of lung cancer and optimize patient care. It is *not* intended to support awareness programs and is not intended to solely support research infrastructure.

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

[Additional Details](#)

**Internal HRS Deadline: June 14, 2019**

**Sponsor Deadline: June 28, 2019**

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### **Canadian Blood Services: Blood Efficiency Accelerator Award Program**

The objective of the Blood Efficiency Accelerator Award Program is to improve the efficient and appropriate utilization of blood products, while maintaining the safety of the blood system. To achieve this objective, the Program will support innovative research projects that seek new knowledge or accelerate the application of existing knowledge.

**Funding Details:** \$30,000 for 1 year.

[Additional Details](#)

**Internal HRS Deadline: July 2, 2019**

**Sponsor Deadline: July 15, 2019**

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### **Weston Brain Institute Rapid Response Parkinson's & Related Diseases**

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

Projects must meet two conditions to be eligible:

- Be translational research that helps accelerate the development of therapeutics for neurodegenerative diseases of aging
- Be the development of a therapeutic and/or tool

**Funding Details:** A max of \$300,000 over up to 18 months per project.

[Additional Details](#)

**LOI Deadline:** **March 13, 2019**

**Internal HRS Deadline:** **July 2, 2019**

**Sponsor Deadline:** **July 16, 2019**

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### **Weston Brain Institute Transformational Research Parkinson’s & Related Diseases**

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

Projects must meet the following conditions to be eligible:

- Be translational research (excluding clinical trials and clinical trial sub-studies) that accelerates the development of therapeutics for neurodegenerative diseases of aging.
  - Clinical trials and clinical trial sub-studies should be submitted to the Early-Phase Clinical Trials or Rapid Response programs; however other translational research using humans or human samples/data is in scope.
- Be the development of a therapeutic and/or tool and/or complementary approaches

**Funding Details:** A max of \$1,500,000 over a max of 3 years.

[Additional Details](#)

**LOI Deadline:** **March 13, 2019**

**Internal HRS Deadline:** **July 2, 2019**

**Sponsor Deadline:** **July 16, 2019**

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### **Pharmacotherapies for Alcohol and Substance Abuse Consortium (PASA): Grant Program – (RFA)**

#### **#4b**

The goal of the PASA Consortium is to fund study applications for developing new medications that can be brought to therapeutic use to improve treatment outcomes for alcohol and substance use disorders (ASUD), especially as related to post-traumatic stress disorder (PTSD) and traumatic brain injury (TBI). The PASA Consortium accepts applications for study funding during open solicitation periods. The exact number and type of studies approved during each solicitation period will depend on the quantity and quality of applications received and amount of available funding. Notices of study application solicitation periods will be posted here on the PASA Consortium’s website, publicly advertised via professional organization e-mail list serves and conference postings, and distributed to investigators, pharmaceutical companies, and academic research institutes that are known to have potentially viable candidate compounds.

Full study implementation awards for the conduct of proof-of-principle basic research to determine which compounds are most appropriate for human research trials.

**Funding Details:** \$295,000 for 18 months.

[Additional Details](#)

**LOI Deadline: May 13, 2019**

**Internal HRS Deadline: July 8, 2019**

**Sponsor Deadline: July 22, 2019**

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**Alzheimer's Drug Discovery Foundation, Diagnostics Accelerator: Digital Biomarkers**

The Diagnostics Accelerator is a partnership of funders dedicated to accelerating the development of affordable and accessible biomarkers for Alzheimer's disease, frontotemporal degeneration, and other related dementias. The Diagnostics Accelerator supports research and development through translational research awards and access to consulting support from industry experts. The current RFP is soliciting projects to develop and validate digital biomarkers for Alzheimer's disease and related dementias. Digital biomarkers are defined as objective, quantifiable physiological and behavioral data that are collected, measured and analyzed by means of digital devices such as portables, wearables, or ambient sensors. Digital biomarkers range from computerized or app-based versions of traditional neurocognitive tests to novel technology platforms that combine multiple complex data sources into a phenotypic signature.

Proposals addressing a range of potential clinical uses are of interest, especially technologies for early assessment and those aiding in diagnosis and monitoring treatment response or rate of disease progression. Creative approaches to leverage new and existing software and hardware are encouraged. Importantly, the use of the digital technology should be driven by 1) an unmet patient or scientific need for a better assessment and/or 2) providing a more cost-effective, efficient, and less burdensome approach to diagnosis and monitoring in clinical practice and clinical trials.

**Funding Details:**

Exploratory: Approximately \$250,000 (this is not a cap; higher funding levels will be considered if the proposed budget is well justified)

Proof-of-principle: approximately \$500,000 (this is not a cap; higher funding levels will be considered)

Projects that succeed in the Exploratory or Proof-of-principle stage may be eligible for follow-on funding in the form of a validation award.

Validation: Award amounts will be based on the stage and scope of the research.

[Additional Details](#)

**LOI Deadline: June 7, 2019**

**Internal HRS Deadline: August 2, 2019**

**Sponsor Deadline: August 16, 2019**

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**Ontario Genomics: Genomics in Society Interdisciplinary Research Teams Program (GiSIRT)**

Genome Canada has announced a Request for Applications (RFA) for the Genomics in Society Interdisciplinary Research Teams Program. This program aims to facilitate collaborations and dialogue among researchers and other key stakeholders to ensure effective and responsible translation of innovative genomics applications into sectors capable of transformation by genomics advances.

This program will support teams of researchers from diverse disciplines to address issues at the intersection of genomics and society. Research teams of at least three researchers from different disciplines investigating the advancement, adoption, evaluation, and governance of genomics research are encouraged to apply.

**Proposal Focus Areas**

Stream 1: proposals mainly impacting the human health sector

Stream 2: proposals mainly impacting the agriculture/agri-food and/or aquaculture/fisheries sectors

Stream 3: proposals mainly impacting the natural resources (forestry, energy, mining) and/or environment sectors

Proposals that address multiple sectors across two or three streams are also eligible to apply.

**Funding Details:** There is approximately \$3 million available from Genome Canada. Approximately one-third of the available Genome Canada funding will be invested in each of the three streams as defined above with the goal of funding at least one team in each of the three streams. Genome Canada will contribute between \$500,000 and \$1 million with the amount of co-funding from eligible sources at least equal to the Genome Canada contribution. Successful teams will be awarded funding for a term of up to four years.

[Additional Details](#)

**Registrations Deadline: Draft Registrations: May 16, 2019. Final Registrations: May 27, 2019**

**Internal HRS Deadline: August 9, 2019**

**Sponsor Deadline: Draft Applications: June 27, 2019. Final Applications: August 23, 2019**

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### **Hamilton Community Foundation: Edith H. Turner Foundation Fund**

The Edith H. Turner Fund supports evidence-informed programs and services designed to support children/youth; families; and adults in Hamilton who are experiencing marginalization.

The fund is specifically interested in investing in organizations achieving significant impact providing services and programming across the following program areas:

- Stable Homes Stable Families
- Healthy Bodies and Minds
- Educational/learning support across the ages

**Funding Details:** \$2,000 - \$25,000 for 1 year.

[Additional Details](#)

**Internal HRS Deadline: August 30, 2019**

**Sponsor Deadline: September 13, 2019**

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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.**

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## **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.**

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## **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](mailto:carroll@mcmaster.ca). Interested candidates are recommended to contact Dr. Carroll or Daniela Bianco [biancdan@hhsc.ca](mailto:biancdan@hhsc.ca) in advance of their submission. Please send inquiries to Donna Catherwood, [catherwood@hhsc.ca](mailto:catherwood@hhsc.ca).**

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## **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:** Applications are being accepted on a rolling basis, until 2 positions at a time are filled.

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### **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:** Applications are being accepted on a rolling basis.

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### **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.

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### **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.

[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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**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.

[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.

[Additional Details](#) & <https://www.clsa-elcv.ca/about-us> & <https://www.clsa-elcv.ca/data-access/data-access-application-process>

**Sponsor Deadline:** Ongoing

Please contact Audrey Patocs at [patocsae@mcmaster.ca](mailto: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](mailto: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

### **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 Monroe, Contracts Advisor, MILO at [monrose@mcmaster.ca](mailto: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

### **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

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

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

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

[Additional Details](#)

**Sponsor Deadline:** Ongoing

**\*To Apply, Contact Bertha Monrose, Contracts Advisor, MILO at [monrose@mcmaster.ca](mailto:monrose@mcmaster.ca) or extension 22416\***

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### **MITACS Accelerate Program**

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

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

[Additional Details](#)

**Sponsor Deadline:** Ongoing

**\*To Apply, Contact Bertha Monrose, Contracts Advisor, MILO at [monrose@mcmaster.ca](mailto:monrose@mcmaster.ca) or extension 22416\***

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### **Department of Defense (DoD) Neurofibromatosis Research Program (NFRP): Clinical Trial Award**

The NFRP Clinical Trial Award supports research with the potential to have a major impact on the treatment or management of NF. Clinical trials may be designed to evaluate promising new 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.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

Funding from this award mechanism must support a clinical trial. New FY19 definition: A clinical trial is a research study in which one or more human subjects are prospectively assigned to one or more interventions (which may include placebo or other control) to evaluate the effects of the interventions on biomedical or behavioral health-related outcomes. For more information, a Human Subject Resource Document is provided at <https://ebrap.org/eBRAP/public/Program.htm>. Principal Investigators (PIs) seeking funding for a preclinical research project should consider one of the other FY19 NFRP Program Announcements being offered.

If the proposed clinical trial involves the use of a drug that has not been approved by the U.S. Food and Drug Administration (FDA) for the proposed investigational use, then an Investigational New Drug (IND) application to the FDA that meets all requirements under the Code of Federal Regulations, Title 21, Part 312 (21 CFR 312) may be required. It is the responsibility of the applicant to provide evidence from the Institutional Review Board (IRB) of record or the FDA if an IND is not required. If an IND is required, the IND application must be submitted to the FDA by the FY19 NFRP Clinical Trial Award application submission deadline. The IND should be specific for the product (i.e., the product should not represent a derivative or alternate version of the investigational agent

described in the IND application) and indication to be tested in the proposed clinical trial. For more information on IND applications, the FDA has provided guidance at <https://www.fda.gov/drugs/developmentapprovalprocess/howdrugsaredevelopedandapproved/approvalapplications/investigationalnewdrugindapplication/default.htm>.

If the investigational product is a device, then an Investigational Device Exemption (IDE) application to the FDA that meets all requirements under 21 CFR 812 may be required. It is the responsibility of the applicant to provide evidence from the IRB of record or the FDA if an IDE is not required, or if the device qualifies for an abbreviated IDE. If an IDE is required, the IDE application must be submitted to the FDA by the Clinical Trial Award application submission deadline. The IDE should be specific for the device (i.e., should not represent a derivative or modified version of the device described in the IDE application) and indication to be tested in the proposed clinical trial.

If the clinical trial of an investigational product will be conducted at international sites, evidence that an application to the relevant national regulatory agency of the host country(ies) has been submitted by the Clinical Trial Award application submission deadline is required.

Refer to Attachment 9, Regulatory Strategy, for additional details on documentation of FDA applications. The Government reserves the right to withdraw funding if an IND or IDE application is necessary but has not been submitted prior to the application submission deadline, or if documentation of an active IND or IDE in effect for the proposed trial has not been obtained within 6 months of the award date.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 NFRP Clinical Trial Award will not exceed \$800,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

[Additional Details](#)

**LOI Deadline: May 23, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: May 23, 2019**

**Sponsor Deadline: June 6, 2019**

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## **Department of Defense (DoD) Neurofibromatosis Research Program (NFRP): Exploration – Hypothesis Development Award**

The NFRP Exploration – Hypothesis Development Award supports the initial exploration of innovative, high-risk, high-gain, and potentially groundbreaking concepts in NF research. Studies supported by this award mechanism are expected to lay the groundwork for future avenues of scientific investigation. The proposed research project should include a well-formulated, testable hypothesis based on strong scientific rationale and study design. The presentation of preliminary and/or published data is encouraged, but not required.

The proposed research project should be innovative. Innovative research may introduce a novel paradigm, challenge existing paradigms, examine existing problems from novel perspectives, or exhibit other highly creative qualities. Research that is an incremental advance upon published data is not considered innovative and is not consistent with the intent of this award mechanism. It is the responsibility of the Principal Investigator (PI) to clearly and explicitly articulate how the proposed research project is innovative in the field of NF.

Research involving human subjects and human anatomical substances is permitted; however, studies must be exempt under Title 32 of the Code of Regulations, Part 219.104(d) (32 CFR 219.104(d)) or eligible for expedited review (32 CFR 219.110 or 21 CFR 56.110). Exemption or expedited status is first determined by the Institutional Review Board (IRB) of record.

Investigators must review their institutional requirements and guidelines for filing with the IRB for exempt or expedited status. Studies that do not qualify for exempt or expedited status will be administratively withdrawn.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 NFRP Exploration – Hypothesis Development Award will not exceed \$100,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

[Additional Details](#)

**LOI Deadline: May 23, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: May 23, 2019**

**Sponsor Deadline: June 6, 2019**

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## **Department of Defense (DoD) Neurofibromatosis Research Program (NFRP): Investigator-Initiated Research Award**

The NFRP Investigator-Initiated Research Award supports highly rigorous, high-impact research projects that have the potential to make an important contribution to NF research and/or patient care. Research projects may focus on any phase of research, excluding clinical trials. The rationale for a research idea may be derived from laboratory discovery, population-based studies, a clinician's firsthand knowledge of patients, or anecdotal data. Applications must include preliminary and/or published data that are relevant to NF and the proposed research project.

Optional NF Open Science Initiative (NF-OSI): The FY19 NFRP supports the NF-OSI, which is aimed at catalyzing research for NF through early access to data and data sharing within the NF community.

- Participants in the NF-OSI will share data following the FAIR (Findable, Accessible, Interoperable and Reusable) Data Principles for reproducible science found in "The FAIR Guiding Principles for scientific data management and stewardship": <https://www.nature.com/articles/sdata201618>.
- The NF Data Portal (<http://www.nfdataportal.org/>) is a central component of the NF-OSI and is intended as a format on which to share and explore NF datasets, analysis tools, resources, and publications. It is a public repository of raw data of scientific experiments that allows the re-analysis and confirmation of results by a third party.
  - The portal is not the place to share finalized results (these are generally publishable figures and related information), but rather any data point or image derived from experiments.
  - NF studies that involve generation of extensive data sets including, but not limited to, gene expression, genomic variants, methylation profiles, drug screening, drug combination screening, cellular physiology, chromatin activity, proteomics, imaging, kinomics, PK/PD, clinical studies, are highly encouraged to participate and utilize the NF Data Portal.
  - The portal allows participants to use the repository as their private data storage and selectively release the data to the public after an embargo period. For more information and requirements of participation, please visit <http://www.nfdataportal.org/>.
- Applications utilizing the NF-OSI option will be eligible to apply for Level 2 or Level 3 funding as described below.
- Applications utilizing the NF-OSI option must demonstrate their commitment to meeting the intent of the initiative in their Data Sharing Plan.
- Applications funded under the NF-OSI option will need to comply with data submission requirements that meets the intent of the initiative as a condition of continued funding for their project.

Optional Qualified Collaborator: The FY19 NFRP encourages collaborative research between basic scientists and clinical researchers, and between academic and biotechnology scientists. Collaborations with investigators outside of the Principal Investigator's (PI's) institution and collaborations that bring new perspectives from other disciplines or that bring new investigators into the NF field are strongly encouraged. Although more than one collaborator may participate in the application, only one can be named for this option.

Collaborations that meet the criteria below will qualify for a higher level of funding as described in Section II.D.5, Funding Restrictions. The PI must submit a Statement of Collaboration that clearly identifies the collaborating investigator and addresses how each of the criteria below are met. Additionally, the collaborator must provide a biographical sketch (see Research & Related Senior/Key Person Profile) and a letter of collaboration (see Attachment 9: Statement of Collaboration) describing his/her involvement in the proposed research project. It should be clear that the success of the proposed research project depends on the complementary skills and contributions of both the PI and collaborator.

- The collaborator must significantly contribute to the proposed research project such that it could not be accomplished without his/her involvement.
  - A proposed research project in which the collaborator merely supplies biological/ chemical materials, such as DNA/RNA constructs, purified or tagged proteins, chemical(s), transgenic mice, tissue samples or access to patients will not meet the intent of the Qualified Collaborator option and will not qualify for the higher level of funding.
  - A minimum of 10% level of effort for each budget period throughout the entirety of the award is required of the collaborator. The contributions of the collaborator should be reflected in the application's budget.
- The collaborator must be at or above the level of Assistant Professor (or equivalent).

Preclinical Research: All projects should adhere to a core set of standards for rigorous study design and reporting to maximize the reproducibility and translational potential of preclinical research. The standards are described in Landis, S.C., et al., A call for transparent reporting to optimize the predictive value of preclinical research, *Nature* 2012, 490:187-191 ([www.nature.com/nature/journal/v490/n7419/full/nature11556.html](http://www.nature.com/nature/journal/v490/n7419/full/nature11556.html)). While these standards are written for preclinical studies, the basic principles of randomization, blinding, sample-size estimation, and data handling derive from well-established best practices in

research and should be applied. Projects that include research on animal models are required to submit Attachment 8, Animal Research Plan, as part of the application package to describe how these standards will be addressed. Applicants should consult the ARRIVE (Animal Research: Reporting In Vivo Experiments) guidelines to ensure relevant aspects of rigorous animal research are adequately planned for and, ultimately, reported. The ARRIVE guidelines can be found at [https://www.elsevier.com/data/promis\\_misc/622936arrive\\_guidelines.pdf](https://www.elsevier.com/data/promis_misc/622936arrive_guidelines.pdf).

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 NFRP Investigator-Initiated Research Award will not exceed one of the following funding levels: Level 1. Applications that do not include either of the two options qualify for the base level of funding at \$525,000. Level 2. Applications that include either the Qualified Collaborator or the NF-OSI option: The anticipated direct costs budgeted for the entire period of performance will not exceed \$575,000 for applications with either the Optional Qualified Collaborator or the Optional NFOSI. Collaborating organizations should budget associated indirect costs in accordance with each organization's negotiated rate. Level 3. Applications that include both the Qualified Collaborator and the NF-OSI option: The anticipated direct costs budgeted for the entire period of performance will not exceed \$625,000 for applications with both an Optional Qualified Collaborator and the Optional NFOSI. Collaborating organizations should budget associated indirect costs in accordance with each organization's negotiated rate. The NFRP reserves the right to reduce funding levels if applications submitted to either option do not meet the intent of either Level 2 or Level 3. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

#### [Additional Details](#)

**LOI Deadline: May 23, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: May 23, 2019**

**Sponsor Deadline: June 6, 2019**

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### **Department of Defense (DoD) Neurofibromatosis Research Program (NFRP): New Investigator Award**

The intent of the NFRP New Investigator Award is to support the continued development of promising independent investigators and/or the transition of established investigators from other research fields into a career in the field of NF research. Prior experience in NF research is not required. However, Principal Investigators (PIs) with a limited background in NF research are strongly encouraged to have a collaborator who is experienced in the NF field.

Research projects may focus on any phase of research, excluding clinical trials. Applications must include preliminary and/or published data that are relevant to NF and the proposed research project.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 NFRP New Investigator Award will not exceed \$450,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

#### [Additional Details](#)

**LOI Deadline: May 23, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: May 23, 2019**

**Sponsor Deadline: June 6, 2019**

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### **Department of Defense (DoD) Neurofibromatosis Research Program (NFRP): Early Investigator Research Award**

The Early Investigator Research Award supports NF-focused research opportunities for individuals in the early stages of their careers, under the guidance of a designated Mentor. This opportunity allows for early-stage investigators to develop a research project, investigate a problem or question in NF research, and further their intellectual development as an NF researcher of the future. The postdoctoral investigator is considered the Principal Investigator (PI) of the application and must exhibit strong potential for, and commitment to, pursuing a career as an investigator at the forefront of NF research; however, the PI is not required to have previous NF research experience. Applications must include at least one Mentor, appropriate to the proposed research project, who has experience in NF research and mentoring as demonstrated by a record of active funding, recent publications, and successful mentorship. The primary Mentor can be a junior faculty member, in which case the PI is encouraged to include a secondary Mentor with a more robust track record in NF research and mentorship. The selected Mentor(s) should also demonstrate a clear commitment to the development of the PI toward independence as an NF researcher.

The PI must outline an individualized, NF-focused Researcher Development Plan. The researcher development plan should include a clearly articulated strategy for acquiring the necessary skills, competence, and expertise that will enable the PI to successfully complete the proposed research project and foster the PI's development as an independent NF researcher. An environment appropriate to the proposed mentoring and research project must be clearly described, although any deficiencies of resources and/or mentorship at the PI's institution can be mitigated through collaboration(s) with other institutions. If the PI will be utilizing resources at another institution to successfully complete the proposed project, then the PI is strongly encouraged to designate a co-Mentor at the collaborating institution.

All application components for the Early Investigator Research Award are expected to be written by the PI, with appropriate direction from the Mentor(s). The NFRP seeks applications that address the critical needs of the NF community as outlined in the Areas of Emphasis above. If the project does not address an Area of Emphasis, provide justification that the proposed research project addresses an important problem in NF research and/or patient care. Describe the anticipated outcomes (short-term gains) from the proposed research and how they will be used as a foundation for future research projects. Explain the anticipated long-term gains from the proposed research project, including how the new understanding may ultimately contribute to the goal of advancing NF research and/or patient care.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 NFRP Early Investigator Research award will not exceed \$200,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

#### [Additional Details](#)

**LOI Deadline: May 23, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: May 23, 2019**

**Sponsor Deadline: June 6, 2019**

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## **Department of Defense (DoD) Parkinson's Research Program (PRP): Early Investigator Research Award**

The PRP EIRA supports Parkinson's disease-focused research opportunities for individuals in the early stages of their careers, under the guidance of a designated Mentor. The Early Investigator is considered the Principal Investigator (PI) of the application and must exhibit strong potential for, and commitment to, pursuing a career as an investigator at the forefront of Parkinson's disease research; however, the PI is not required to have previous Parkinson's disease research experience. Applications must include at least one Mentor, appropriate to the proposed research project, who has experience in Parkinson's disease research and mentoring as demonstrated by a record of active funding, recent publications, and successful mentorship. The selected Mentor(s) should also demonstrate a clear commitment to the development of the PI toward independence as a Parkinson's disease researcher.

The following are important aspects of the EIRA:

- All applications for the EIRA are to be written by the PI, with appropriate direction from the Mentor(s).
- Principal Investigator: The EIRA supports early-career investigators exploring innovative, high-impact ideas or new technologies applicable to Parkinson's disease research and/or patient care. The PRP seeks applications from investigators working in a broad spectrum of disciplines including, but not limited to, basic science, engineering, bioinformatics, population science, translational research, and clinical research. The application should demonstrate the PI's potential for, and commitment to, pursuing a career in Parkinson's disease research under the guidance of a designated Mentor(s). Evaluated criteria will include mentorship and the mentorship environment with an identified path to independence.
- Researcher Development Plan: The application must outline an individualized Parkinson's disease-focused Researcher Development Plan. The Researcher Development Plan should include a clearly articulated strategy for acquiring the necessary skills, competence, and expertise that will enable the PI to successfully complete the proposed research project and foster the PI's development as an independent Parkinson's disease researcher. An environment appropriate to the proposed mentoring and research at the PI's institution must be clearly described. Additional necessary resources and/or mentorship may be provided through collaboration(s) with other institutions. If the PI will be utilizing resources at another institution to successfully complete the proposed project, then the PI is strongly encouraged to designate a co-Mentor at the collaborating institution.
- Focus Area: The proposed research must address at least one of the four FY19 PRP Focus Areas stated.
- Research Strategy and Feasibility: Experimental strategies may be novel or may be based on strong rationale derived from previously published data, presented preliminary data, or literature review. The feasibility of the research design and methods should be well-defined, and a clear plan should be articulated as to how the proposed goals of the project can be

achieved. Preliminary data are not required. Any unpublished, preliminary data provided should originate from the PI, Mentor(s), or member(s) of the collaborating team. The preliminary data must support the feasibility of the study.

- **Impact:** The proposed research, if successful, should impact an area of paramount importance in Parkinson's disease. The application must clearly and explicitly describe the potential impact of the proposed study on Parkinson's disease and convey its level of significance. The research should benefit individuals with Parkinson's disease, by improving the understanding, prevention, diagnosis, and/or treatment of Parkinson's disease.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated total costs budgeted for the entire period of performance for an FY19 PRP EIRA award will not exceed \$360,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

#### [Additional Details](#)

**LOI Deadline: July 9, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: July 10, 2019**

**Sponsor Deadline: July 24, 2019**

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## **Department of Defense (DoD) Parkinson's Research Program (PRP): Investigator-Initiated Research Award**

The PRP IIRA supports highly rigorous, multidisciplinary, high-impact research projects that have the potential to make an important contribution to Parkinson's disease research and/or patient care. This award mechanism supports the full spectrum of research from basic science through clinical research that specifically focuses on scientific and clinical Parkinson's disease issues, which, if successfully addressed, have the potential to make a major impact in understanding, preventing, diagnosing, or treating Parkinson's disease or enhancing the wellbeing of individuals experiencing the impact of the disease.

The following are important aspects of the IIRA:

- **Research Strategy and Feasibility:** The scientific rationale and experimental methodology should demonstrate critical understanding and in-depth analysis of Parkinson's disease. Experimental strategies may be novel or may be based on strong rationale derived from previously published data, presented preliminary data, or literature review. The feasibility of the research design and methods should be well defined, and a clear plan should be articulated as to how the proposed goals of the project can be achieved. Preliminary data to support feasibility are required. Any unpublished, preliminary data provided should originate from the laboratory of the Principal Investigator (PI) or a member(s) of the research team. The preliminary data must support the feasibility of the study.
- **Impact:** The proposed research, if successful, should impact an area of paramount importance in Parkinson's disease. The application must clearly and explicitly describe the potential impact of the proposed study on Parkinson's disease and convey its level of significance. The research should benefit individuals with Parkinson's disease, by improving the understanding, prevention, diagnosis, and/or treatment of Parkinson's disease.
- **Focus Areas:** The proposed research must address at least one of the four FY19 PRP Focus Areas.
- **Principal Investigator and Research Team:** The PRP seeks applications from investigators working in a broad spectrum of disciplines including, but not limited to, basic science, engineering, bioinformatics, population science, translational research, and clinical research. The application should demonstrate that the research team's background is appropriate to successfully achieve the proposed research and contribute to the field of Parkinson's disease research.

**Partnering PI Option:** The IIRA mechanism includes an option to fund a maximum of three PIs. One PI will be identified as the Initiating PI and will be responsible for the majority of the administrative tasks associated with application submission. The other PI(s) (maximum of two) will be identified as Partnering PI(s). Initiating and Partnering PIs each have different submission requirements, as described in Section II, Detailed Information About the Funding Opportunity; however, all PIs should contribute significantly to the development of the proposed research project, including the Project Narrative, Statement of Work, and other required components. The Partnering PI Option requires a Synergy Statement (see Attachment 8). The Synergy Statement discusses in detail the advantages of addressing this problem through the combined expertise of the PIs and how this contributes to the synergy of the application. If recommended for funding, the Initiating PI and each Partnering PI will be named to an individual award within the recipient organization. The PI (and each Partnering PI) must maintain at least 15% dedication of his/her full-time professional effort during the award period to this award. The proposed partnership should result in a level of productivity that is greater than that achievable by each PI independently.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated total costs budgeted for the entire period of performance for an FY19 PRP Investigator-Initiated Research Award will not exceed \$1.5M total costs for a single investigator or \$2.4M combined total costs for the Partnering PI option. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

[Additional Details](#)

**LOI Deadline: July 9, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: July 10, 2019**

**Sponsor Deadline: July 24, 2019**

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## **Department of Defense (DoD) Lung Cancer Research Program (LCRP): Career Development Award**

The FY19 LCRP Career Development Award supports early-career, independent investigators to conduct impactful research under the mentorship of an experienced lung cancer researcher as an opportunity to obtain the funding, mentoring, and experience necessary for productive, independent careers at the forefront of lung cancer research. This award is intended to support impactful research projects with an emphasis on discovery. Submissions from and partnerships with investigators at Department of Defense (DoD) military treatment facilities and laboratories, and Department of Veterans Affairs (VA) medical centers and research laboratories are strongly encouraged.

Preliminary data are not required. However, logical reasoning and a sound scientific rationale for the proposed research must be demonstrated.

Key elements of this award are as follows:

- **Principal Investigator (PI):** PIs must be research- or physician-scientists at an early stage of their independent research careers. PIs must be within 5 years of their first faculty appointment (or equivalent) and exhibit a strong desire to pursue a career in lung cancer research.
- **Mentorship:** The Mentor must be an experienced lung cancer researcher as demonstrated by a strong record of funding and publications in lung cancer research. In addition, the Mentor must demonstrate a commitment to developing the PI's career in lung cancer research.
- **Career Development:** A Career Development Plan is required and should be prepared with appropriate guidance from the Mentor. A clearly articulated strategy for acquiring the necessary skills, competence, and expertise to have a career at the forefront of lung cancer research should be included. The plan should outline how the PI will gain experience in lung cancer research. Because career development is the focus of this award, the PI's institution must demonstrate a commitment to the PI through a minimum of 40% protected time for lung cancer research, though more protected time is highly desirable.
- **Impact:** Research that has high potential impact may lead to major advancements and significantly accelerate progress toward eradicating deaths and suffering from lung cancer.
- **Relevance to Military Health System Beneficiaries:** The application should clearly articulate how the proposed research is relevant to Service members, Veterans, and their families.

**Relevance to Military Health:** The LCRP seeks to support research that is relevant to the healthcare needs of military Service members, Veterans, and their families. Relevance to military health will be considered in determining relevance to the mission of the DHP and FY19 LCRP during programmatic review. Investigators are strongly encouraged to consider the following characteristics as examples of how a project may demonstrate relevance to military health:

Use of military or Veteran populations, biospecimens, data/databases, or programs in the proposed research

Collaboration with DoD or VA investigators

Involvement of military consultants (Army, Air Force) or specialty leaders (Navy, Marine Corps) to the Surgeons General in a relevant specialty area

Description of how the knowledge, information, products, or technologies gained from the proposed research could be implemented in a dual-use capacity to address a military need that also benefits the civilian population

Explanation of how the project addresses an aspect of lung cancer that has direct relevance to military Service members, Veterans, or other Military Health System beneficiaries, including environmental exposures other than tobacco

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 LCRP Areas of Emphasis.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the general public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 LCRP Career Development Award will not exceed \$250,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

[Additional Details](#)

**LOI Deadline: August 1, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 7, 2019**

**Sponsor Deadline: August 21, 2019**

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## **Department of Defense (DoD) Lung Cancer Research Program (LCRP): Idea Development Award**

The FY19 LCRP Idea Development Award mechanism promotes new ideas that are still in the early stages of development and have the potential to yield impactful data and new avenues of investigation. This award supports conceptually innovative, high-risk/high-reward research that could lead to critical discoveries or major advancements that will accelerate progress toward eradicating deaths and suffering from lung cancer. Applications should include a well formulated, testable hypothesis based on strong scientific rationale. Submissions from and partnerships with investigators at Department of Defense (DoD) military treatment facilities and laboratories, and Department of Veterans Affairs (VA) medical centers and research laboratories are strongly encouraged.

**New Investigators:** The FY19 LCRP Idea Development Award mechanism encourages applications from independent investigators in the early stages of their careers (i.e., within 10 years of their first faculty appointment, or equivalent). The New Investigator category is designed to allow applicants early in their faculty appointments to compete for funding separately from established investigators. Applications from New Investigators and Established Investigators will be peer and programmatically reviewed separately. Principal Investigators (PIs) using the New Investigator category are strongly encouraged to strengthen their applications by collaborating with investigators experienced in lung cancer research and/or possessing other relevant expertise. It is the responsibility of the applicant to describe how the included collaboration will augment the PI's expertise to best address the research question. All applicants for the New Investigator category must meet specific eligibility criteria as described in Section II.C, Eligibility Information.

Preliminary data to support the feasibility of the research hypotheses and research approaches are required; however, these data do not necessarily need to be derived from studies of lung cancer. Key elements of this award are as follows:

**Innovation:** Research deemed innovative may introduce a new paradigm, challenge current paradigms, look at existing problems from new perspectives, or exhibit other uniquely creative qualities.

**Impact:** Research that has high potential impact may lead to major advancements and significantly accelerate progress toward eradicating deaths and suffering from lung cancer.

It is the responsibility of the PI to clearly and explicitly articulate the project's innovation and its potential impact on lung cancer and its relevance to Military Health System beneficiaries. The project's impact to both lung cancer research and to lung cancer patients should be articulated, even if clinical impact is not an immediate outcome. Applications that demonstrate exceptional scientific merit but lack innovation and high potential impact do not meet the intent of the Idea Development Award.

**Relevance to Military Health:** The LCRP seeks to support research that is relevant to the healthcare needs of military Service members, Veterans, and their families. Relevance to military health will be considered in determining relevance to the mission of the DHP and FY19 LCRP during programmatic review. Investigators are strongly encouraged to consider the following characteristics as examples of how a project may demonstrate relevance to military health:

- Use of military or Veteran populations, biospecimens, data/databases, or programs in the proposed research
- Collaboration with DoD or VA investigators
- Involvement of military consultants (Army, Air Force) or specialty leaders (Navy, Marine Corps) to the Surgeons General in a relevant specialty area
- Description of how the knowledge, information, products, or technologies gained from the proposed research could be implemented in a dual-use capacity to address a military need that also benefits the civilian population
- Explanation of how the project addresses an aspect of lung cancer that has direct relevance to military Service members, Veterans, or other Military Health System beneficiaries, including environmental exposures other than tobacco

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 LCRP Areas of Emphasis.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 LCRP Idea Development Award will not exceed \$350,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

[Additional Details](#)

**LOI Deadline: May 15, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 7, 2019**

**Sponsor Deadline: August 21, 2019**

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## **Department of Defense (DoD) Lung Cancer Research Program (LCRP): Investigator Initiated Translational Research Award**

The FY19 LCRP Investigator-Initiated Translational Research Award mechanism supports translational research that will develop promising ideas in lung cancer into clinical applications. Translational research may be defined as an integration of basic science and clinical observations. Observations that drive a research idea may originate from a laboratory discovery, population-based studies, or a clinician's firsthand knowledge of patient care. The ultimate goal of translational research is to move a concept or observation forward into clinical application. However, Principal Investigators (PIs) 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.

This mechanism is intended to fund a broad range of translational studies, including, but not limited to, the following:

- Studies advancing/translating in vitro and/or animal studies to applications with human samples/cohorts.
- Late-stage preclinical work leading to/preparing for a clinical trial, e.g., Investigational New Drug (IND) application submission.
- Correlative studies that are associated with an open/ongoing or completed clinical trial and projects that develop endpoints for clinical trials.

Preliminary data to support the feasibility of the research hypotheses and research approaches are required.

**Relevance to Military Health:** The LCRP seeks to support research that is relevant to the healthcare needs of military Service members, Veterans, and their families. Relevance to military health will be considered in determining relevance to the mission of the DHP and FY19 LCRP during programmatic review. Investigators are strongly encouraged to consider the following characteristics as examples of how a project may demonstrate relevance to military health:

- Use of military or Veteran populations, biospecimens, data/databases, or programs in the proposed research
- Collaboration with Department of Defense (DoD) or Veterans Affairs (VA) investigators
- Involvement of military consultants (Army, Air Force) or specialty leaders (Navy, Marine Corps) to the Surgeons General in a relevant specialty area
- Description of how the knowledge, information, products, or technologies gained from the proposed research could be implemented in a dual-use capacity to address a military need that also benefits the civilian population
- Explanation of how the project addresses an aspect of lung cancer that has direct relevance to military Service members, Veterans, or other Military Health System beneficiaries, including environmental exposures other than tobacco

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 LCRP Areas of Emphasis.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 LCRP Investigator-Initiated Translational Research Award will not exceed \$400,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

[Additional Details](#)

**LOI Deadline: May 15, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 7, 2019**

**Sponsor Deadline: August 21, 2019**

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## **Department of Defense (DoD) Lung Cancer Research Program (LCRP): Translational Research Partnership Award**

The FY19 LCRP Translational Research Partnership Award mechanism supports partnerships between clinicians and research scientists that will accelerate the movement of promising ideas in lung cancer into 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 lung 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. In addition, one partner in the collaboration is strongly encouraged to be an active duty Service member or Federal employee from a Department of Defense (DoD) military treatment facility or laboratory, or a Department of Veterans Affairs (VA) medical center or research laboratory. It should be clear that both have had equal intellectual input into the design of the research project. Multi-institutional partnerships are encouraged but not required. At least one member of the partnership must have experience either in lung cancer research or lung cancer patient care. 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.

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. 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.

This mechanism is intended to fund a broad range of translational studies, including, but not limited to, the following:

- Studies advancing/translating in-vitro and/or animal studies to applications with human samples/cohorts.
- Late-stage preclinical work leading to/preparing for a clinical trial, e.g., Investigational New Drug (IND) application submission.
- Pilot, proof-of-principle clinical trials (must include documentation of an existing IND or Investigational Device Exemption (IDE), if applicable).
- Correlative studies that are associated with an open/ongoing or completed clinical trial and projects that develop endpoints for clinical trials.

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.

Preliminary data to support the feasibility of the research hypotheses and research approaches are required. Clinical trials are supported by this award mechanism and, if proposed, require the submission of Attachment 8, Human Subject Recruitment and Safety Procedures.

Relevance to Military Health: The LCRP seeks to support research that is relevant to the healthcare needs of military Service members, Veterans, and their families. Relevance to military health will be considered in determining relevance to the mission of the DHP and FY19 LCRP during programmatic review. Investigators are strongly encouraged to consider the following characteristics as examples of how a project may demonstrate relevance to military health:

- Use of military or Veteran populations, biospecimens, data/databases, or programs in the proposed research
- Collaboration with DoD or VA investigators
- Involvement of military consultants (Army, Air Force) or specialty leaders (Navy, Marine Corps) to the Surgeons General in a relevant specialty area
- Description of how the knowledge, information, products, or technologies gained from the proposed research could be implemented in a dual-use capacity to address a military need that also benefits the civilian population
- Explanation of how the project addresses an aspect of lung cancer that has direct relevance to military Service members, Veterans, or other Military Health System beneficiaries, including environmental exposures other than tobacco

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 LCRP Areas of Emphasis.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

The Translational Research Partnership Award mechanism requires two PIs. One PI will be identified as the Initiating PI and will be responsible for the majority of the administrative tasks associated with application submission. The other PI will be identified as a Partnering PI. Initiating and Partnering PIs each 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. If recommended for funding, each PI will be named to an individual award within the recipient organization.

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

[Additional Details](#)

**LOI Deadline: May 15, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 7, 2019**

**Sponsor Deadline: August 21, 2019**

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## **Department of Defense (DoD) Tick-Borne Disease Research Program (TBDRP): Career Development Award**

The FY19 TBDRP Career Development Award supports independent, early-career investigators in their efforts to conduct impactful research with the mentorship of an experienced tick-borne diseases researcher (i.e., the Mentor), thus providing an opportunity to obtain the funding, guidance, and experience necessary for productive, independent careers at the forefront of tick-borne diseases research. This award supports impactful research projects with an emphasis on discovery that may be translational in nature, but are not clinical trials. Under this award mechanism, the early-career investigator is considered the Principal Investigator (PI), and the application should focus on the PI's research and career development. It should be clear that the proposed research is intellectually designed by the PI and not a product of the Mentor. Preliminary data are not required. However, logical reasoning and a sound scientific rationale for the proposed research must be demonstrated. The following are key aspects of the

FY19 TBDRP Career Development Award:

- **Principal Investigator:** The PI must be an early-career research scientist or physician scientist within 10 years of completion of his/her terminal degree (excluding time spent in residency or on family medical leave). The PI's record of accomplishments and the proposed research will be evaluated regarding his/her potential for contributing to the field of tick-borne diseases research. Because career development is the focus of this award, the PI's institution must demonstrate a commitment to the PI through a minimum of 75% protected time for tick-borne diseases research, although more protected time is highly desirable.
- **Mentorship:** The Mentor must be an experienced tick-borne diseases researcher as demonstrated by a proven record of funding and publications in tick-borne diseases research. The Mentor must hold a position at or above the level of an Associate Professor (or equivalent). In addition, the Mentor must demonstrate a commitment to developing the PI's career in tick-borne diseases research. The Mentor and PI may be at different organizations.
- **Career Development Plan:** A career development plan is required and should be prepared by the PI with appropriate guidance from the Mentor. A clearly articulated strategy for acquiring the necessary skills, competence, and expertise to establish a career at the forefront of tick-borne diseases research should be included. The plan should outline how the PI will gain experience in tick-borne diseases research.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 TBDRP Career Development Award will not exceed \$250,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

[Additional Details](#)

**LOI Deadline: May 22, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 8, 2019**

**Sponsor Deadline: August 22, 2019**

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## **Department of Defense (DoD) Tick-Borne Disease Research Program (TBDRP): Idea Award**

The FY19 TBDRP Idea Award intends to support conceptually innovative, high-risk/potentially high-reward research in the early stages of development that could lead to critical discoveries or major advancements that will accelerate progress in improving

outcomes for individuals affected by Lyme disease and/or other tick-borne illnesses. This award mechanism promotes new ideas that represent innovative approaches to Lyme disease and other tick-borne diseases research and have the potential to make an important contribution toward the TBDRP mission. Applications should include a well-formulated, testable hypothesis based on strong scientific rationale that is established through inferential reasoning and/or critical review and analysis of the literature.

The following are key aspects of the FY19 TBDRP Idea Award:

- **Innovation:** Innovative research may introduce a new paradigm, challenge existing paradigms, look at existing problems from new perspectives, or exhibit other uniquely creative qualities that may include high-risk/potentially high-gain approaches to Lyme disease and other tick-borne diseases research. Research that is merely an incremental advance (the next logical step) is not considered innovative.
- **Relevance:** Applications should articulate how the proposed research is relevant to at least one of the FY19 TBDRP Focus Areas. Highly relevant research will address the current evidence-based burden of disease on public health, while also considering the healthcare needs and welfare of military Service members and their families.
- **Preliminary Data:** Due to this award's emphasis on innovation, inclusion of preliminary data, such as unpublished data from the laboratory of the Principal Investigator (PI) or collaborators named on the application, and/or data from published literature that are relevant to Lyme disease and other tick-borne diseases and support the proposed research project, is encouraged, but not required.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 TBDRP Idea Award will not exceed \$300,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

[Additional Details](#)

**LOI Deadline: May 22, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 8, 2019**

**Sponsor Deadline: August 22, 2019**

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### **Department of Defense (DoD) Tick-Borne Disease Research Program (TBDRP): Investigator-Initiated Research Award**

The FY19 TBDRP Investigator-Initiated Research Award (IIRA) intends to support highly rigorous, high-impact studies that have the potential to make important contributions to Lyme disease and other tick-borne diseases research, patient care, and/or quality of life. This award mechanism promotes a wide range of research from basic through translational, including preclinical studies in animal models or human subjects, as well as correlative studies associated with an existing clinical trial to establish proof-of-principle for further development in future studies. Applications should include a well-formulated, testable hypothesis based on strong scientific rationale that is established through logical reasoning, preliminary data, and critical review and analysis of the literature.

The following are key aspects of the FY19 TBDRP IIRA:

- **Impact:** Applications should articulate both the short- and long-term impact of the proposed research. High-impact research will, if successful, significantly advance Lyme disease and/or other tick-borne diseases research, patient care, and/or quality of life.
- **Relevance:** Applications should articulate how the proposed research is relevant to at least one of the FY19 TBDRP Focus Areas. Highly relevant research will address the current evidence-based burden of disease on public health, while also considering the healthcare needs and welfare of military Service members and their families.
- **Preliminary Data:** Inclusion of preliminary data, such as unpublished data from the laboratory of the Principal Investigator (PI) or collaborators named on the application, and/or data from the published literature that are relevant to Lyme disease and other tick-borne diseases and support the proposed research project, is required.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 TBDRP Investigator-Initiated Research Award will not exceed \$650,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

[Additional Details](#)

**LOI Deadline: May 22, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 8, 2019**

**Sponsor Deadline: August 22, 2019**

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### **Department of Defense (DoD) Spinal Cord Injury Research Program (SCIRP): Clinical Trial Award**

The SCIRP CTA supports the rapid implementation of clinical trials with the potential to have a significant impact on the treatment or management of SCI. Clinical trials may be designed to evaluate promising new 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.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

Funding from this award mechanism must support a clinical trial and may not be used for preclinical research studies. New FY19 definition: A clinical trial is a research study in which one or more human subjects are prospectively assigned to one or more interventions (which may include placebo or other control) to evaluate the effects of the interventions on biomedical or behavioral health-related outcomes. For more information, a Human Subject Resource Document is provided at <https://ebrap.org/eBRAP/public/Program.htm>.

Investigators seeking support for a preclinical research project or a combination of preclinical research with an early-stage clinical trial should consider one of the other FY19 SCIRP Program Announcements being offered: the FY19 SCIRP Translational Research Award (Funding Opportunity Number: W81XWH-19-SCIRP-TRA) or Investigator-Initiated Research Award (Funding Opportunity Number: W81XWH-19-SCIRP-IIRA).

If the proposed clinical trial involves the use of a drug that has not been approved by the U.S. Food and Drug Administration (FDA) for the proposed investigational use, then an Investigational New Drug (IND) application to the FDA that meets all requirements under the Code of Federal Regulations, Title 21, Part 312 (21 CFR 312) may be required. It is the responsibility of the applicant to provide evidence from the Institutional Review Board (IRB) of record or the FDA if an IND is not required. If an IND is required, the IND application must be submitted to the FDA by the FY19 SCIRP CTA application submission deadline. The IND should be specific for the product (i.e., the product should not represent a derivative or alternate version of the investigational agent described in the IND application) and indication to be tested in the proposed clinical trial. For more information on IND applications, the FDA has provided guidance at <https://www.fda.gov/drugs/developmentapprovalprocess/howdrugsaredevelopedandapproved/approvalapplications/investigationalnewdrugindapplication/default.htm>.

If the investigational product is a device, then an Investigational Device Exemption (IDE) application to the FDA that meets all requirements under 21 CFR 812 may be required. It is the responsibility of the applicant to provide evidence from the IRB of record or the FDA if an IDE is not required, or if the device qualifies for an abbreviated IDE. If an IDE is required, the IDE application must be submitted to the FDA by the FY19 SCIRP CTA application submission deadline. The IDE should be specific for the device (i.e., should not represent a derivative or modified version of the device described in the IDE application) and indication to be tested in the proposed clinical trial.

If the clinical trial of an investigational product will be conducted at international sites, evidence that an application to the relevant national regulatory agency of the host country(ies) has been submitted by the FY19 SCIRP CTA application submission deadline is required.

Refer to Attachment 9, Regulatory Strategy, for additional details on documentation of FDA applications. The Government reserves the right to withdraw funding if an IND or IDE application and/or international regulatory application is necessary but has not been submitted prior to the application submission deadline, or if documentation of an active IND, IDE, and/or international regulatory approval in effect for the proposed trial has not been obtained within 6 months of the award date.

**Recruitment Milestones:** The application must indicate the quarterly enrollment targets across all sites in Attachment 5: Statement of Work (SOW). Successful applicants will work with USAMRAA to establish milestones for human subject recruitment. Continued support for the project will be based upon satisfactory progress in meeting the established milestones.

**Consumer Advocate Involvement:** The research team must include two or more SCI consumer advocates, who will be integral throughout the planning and implementation of the research project. Interactions with other team members should be well integrated and ongoing, not limited to attending seminars and semi-annual meetings. As lay representatives, the consumer advocates must be individuals with a SCI or their caregiver, and they should be active in a SCI advocacy organization. Their role in the project should be independent of their employment, and they cannot be employees of any of the organizations participating in the application. Their role should be focused on providing objective input on the research and its potential impact for individuals with or caring for an individual with a SCI.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 SCIRP CTA will not exceed \$3,000,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

### [Additional Details](#)

**LOI Deadline: May 29, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 13, 2019**

**Sponsor Deadline: August 27, 2019**

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## **Department of Defense (DoD) Spinal Cord Injury Research Program (SCIRP): Investigator-Initiated Research Award**

The SCIRP IIRA is intended to support studies that have the potential to make an important contribution to SCI research, patient care, and/or quality of life.

Important aspects of this award mechanism include:

- **Impact:** Applications should articulate both the short- and long-term impact of the proposed research. Projects must address one or more of the FY19 SCIRP IIRA Focus Areas.
- **Relevance to Military Health:** Projects should be relevant to spinal cord-injured military Service members, Veterans, and/or their family members and caregivers. Collaboration with military and VA researchers and clinicians is encouraged.
- **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 SCIRP and support the proposed research project.

IIRA applications may focus on any phase of research from basic through translational. Permitted research includes preclinical studies in animal models, research with human subjects, or human anatomical substances, as well as ancillary studies associated with an existing clinical trial. Applications including animal studies must include a clear justification for the animal model chosen including relevance to human SCI.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 SCIRP IIRA will not exceed \$500,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

### [Additional Details](#)

**LOI Deadline: May 29, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 13, 2019**

**Sponsor Deadline: August 27, 2019**

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## **Department of Defense (DoD) Spinal Cord Injury Research Program (SCIRP): Translational Research Award**

The SCIRP TRA is intended to support translational research that will accelerate the movement of promising ideas in SCI research into clinical applications. Although not all-inclusive, some examples include demonstration studies of pharmaceuticals and medical devices in preclinical systems and/or clinical research on therapeutics, devices, or practice using human tissues or resources.

The ultimate goal of translational research is to move an observation forward into clinical application and accelerate the clinical introduction of healthcare products, technologies, or practice guidelines. Observations that drive a research idea may be derived from a laboratory discovery, population-based studies, or a clinician's first-hand knowledge of patients and anecdotal data. However, PIs should not view translational research as a one-way continuum from bench to bedside. The research plan is encouraged to involve a reciprocal flow of ideas and information between basic and clinical science. Developmental pathways for translational research that may be useful for designing translational research studies for support under this mechanism may be found at <http://clincancerres.aacrjournals.org/content/14/18/5664.full> (a report of the National Cancer Institute Translational Research Working Group); applicants are strongly encouraged to refer to these pathways in their applications.

Applicants need to clearly articulate three points along the translational research spectrum:

- Where the field is now;
- Where the field will be after the successful completion of the proposed research project; and
- What the next step will be after completion of the proposed project.

Any specific regulatory milestones, e.g., submission of an application for an Investigational New Drug/Investigational Device Exemption (IND/IDE), should be included.

As applicable to the FY19 SCIRP TRA Focus Area(s) of the research, applications to the FY19 SCIRP TRA may include preclinical studies in animal models and clinical research involving human subjects and human anatomical substances. The FY19 SCIRP TRA may also support ancillary studies that are associated with an ongoing or completed clinical trial and projects that optimize the design of future clinical trials. The FY19 SCIRP TRA also allows funding for a pilot clinical trial where limited clinical testing of a novel

intervention or device is necessary to inform the next step in the continuum of translational research. Such pilot clinical trial studies should be small, represent only a portion of the proposed Statement of Work (SOW), and be utilized to establish feasibility of a potential approach or to aid in device or intervention refinement. Applications that consist entirely of a clinical trial do not meet the intent of the FY19 SCIRP TRA. Applications that do include a pilot clinical trial as part of the proposed research will have additional submission requirements and review criteria. (See the definition of a clinical trial on page 8.) Applications including animal studies must include a clear justification for the animal model chosen including relevance to human SCI.

Investigators seeking support for a study consisting only of a clinical trial should utilize the FY19 SCIRP Clinical Trial Award mechanism (Funding Opportunity Number: W81XWH19-SCIRP-CTA).

Applicants seeking support for a basic, early study relevant to SCI may consider the FY19 SCIRP Investigator-Initiated Research Award mechanism (Funding Opportunity Number: W81XWH-19-SCIRP-IIRA).

Applications must include preliminary and/or published data that are relevant to SCI and supports the proposed research project.

**Consumer Advocate Involvement:** The research team must include one or more SCI consumer advocates, who will be integral throughout the planning and implementation of the research project. Interactions with other team members should be well integrated and ongoing, not limited to attending seminars and semi-annual meetings. As a lay representative, each consumer advocate must be an individual with a SCI or his/her caregiver, and he/she should be active in a SCI advocacy organization. The consumer advocate's role in the project should be independent of his/her employment, and he/she cannot be an employee of any of the organizations participating in the application. The consumer advocate's role should be focused on providing objective input on the research and its potential impact for individuals with or caring for an individual with a SCI.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 SCIRP TRA will not exceed \$1,250,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

#### [Additional Details](#)

**LOI Deadline: May 29, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 13, 2019**

**Sponsor Deadline: August 27, 2019**

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## **Department of Defense (DoD) Peer Reviewed Cancer Research Program (PRCRP): Career Development Award**

The FY19 PRCRP Career Development Award supports independent, early-career investigators to conduct impactful research with the guidance of an experienced cancer researcher (i.e., Career Guide). The Career Development Award presents an opportunity for early-career investigators to obtain the funding, guidance, and experience necessary for productive, independent careers at the forefront of cancer research. This award supports impactful research projects with an emphasis on discovery. Under this award mechanism, the early-career investigator is considered the Principal Investigator (PI), and the application should focus on the PI's research and career development. It should be clear that the proposed research is intellectually designed by the PI and not a product of the Career Guide. Preliminary data are not required. However, logical reasoning and a sound scientific rationale for the proposed research must be demonstrated.

Key elements of the Career Development Award mechanism are as follows:

- **Principal Investigator:** The PI must be an independent, early-career researcher or physician-scientist within 10 years after completion of his/her terminal degree by the time of the application deadline (excluding time spent in residency, clinical training, or on family medical leave). Time spent as a postdoctoral fellow is not excluded. Postdoctoral fellows are not considered independent and are not eligible for this award mechanism. The PI's record of accomplishments and the proposed research will be evaluated regarding his/her potential for contributing to the FY19 PRCRP Topic Area(s) in Section II.A.1. Previous and/or current career development funding outside of institutional startup funds will be taken into consideration when evaluating an applicant's need for further developmental funds. Because career development is the focus of this award, the PI's organization must demonstrate a commitment to the PI through confirmation of laboratory space and at least 50% protected time for cancer research.
- **Career Development Plan:** A career development plan is required and should be prepared with appropriate guidance from the Career Guide. The Career Guide must be an experienced cancer researcher as demonstrated by a strong record of funding and publications. In addition, the Career Guide must demonstrate a commitment to advancing the PI's career in cancer research. The career development plan should include a clearly articulated strategy for acquiring the necessary skills, competence, and expertise to advance an independent career at the forefront of cancer research in at least one of the FY19 PRCRP Topic Areas.
- **PRCRP Topic Areas:** The proposed research must address at least one of the FY19 PRCRP Topic Areas.

- **Relevance to Military Health:** The proposed research must address at least one of the FY19 PRCRP Military Health Focus Areas in Section II.A.2. The proposed research must be relevant to active duty Service members, Veterans, and their beneficiaries. For more information, review the following websites:
  - PRCRP (<https://cdmrp.army.mil/prcrp/default>)
  - PRCRP Report to Congress (<https://cdmrp.army.mil/prcrp/reports/reports>)
  - Military Health System (<https://www.health.mil/>)
  - VA (<https://www.va.gov/>)
- **Impact:** The applicant must articulate the potential impact the proposed work will have on cancer research and/or patient care. Impactful research will, if successful, accelerate the movement of promising ideas in cancer research into clinical applications.

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 PRCRP priorities.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 PRCRP CDA will not exceed \$360,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

#### [Additional Details](#)

**LOI Deadline: August 21, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 28, 2019**

**Sponsor Deadline: September 11, 2019**

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### **Department of Defense (DoD) Peer Reviewed Cancer Research Program (PRCRP): Horizon Award**

The FY19 PRCRP Horizon Award supports junior-level scientists in conducting impactful research with the mentorship of an experienced cancer researcher (i.e., Mentor). The intent of the Horizon Award is to recruit junior-level scientists to perform research in one of the FY19 PRCRP Topic Areas. The Horizon Award challenges junior scientists to develop and implement research in the cancer field. This opportunity allows for junior investigators to develop a research project, investigate a problem or question in the field of cancer, and further their intellectual development as a cancer researcher of the future. Under this award mechanism, the junior investigator is considered the Principal Investigator (PI), and the application should focus on the PI's research and career development. It should be clear that the proposed research is intellectually designed by the PI with assistance from the Mentor. Preliminary data are not required. However, logical reasoning and a sound scientific rationale for the proposed research must be demonstrated. Clinical trials will not be supported by this mechanism.

Key elements of the Horizon Award are as follows:

- **Principal Investigator:** Both predoctoral candidates and postdoctoral fellows are eligible according to the following definitions:
  - A predoctoral candidate within 2 years of completing required graduate coursework, having completed all laboratory rotations, successfully passed qualifying examinations (excluding time in residency, clinical training, or on family medical leave), and is working in his/her Mentor's laboratory by the time of the application submission deadline. or
  - A postdoctoral fellow within 3 years of completion of his/her terminal degree (excluding time in residency, clinical training, or on family medical leave) and working in the Mentor's laboratory at the time of the application submission deadline. The PI's record of accomplishments (including but not limited to publications, awards, and research recognition) will be evaluated to determine his/her potential for contributing to the FY19 PRCRP Topic Area(s) the proposed research addresses.
- **Mentor:** The Mentor must be an experienced cancer researcher as demonstrated by a strong record of active funding and publications. In addition, the Mentor must demonstrate a commitment to advancing the PI's career in cancer research. The Mentor's record of accomplishments (such as publications, patents, presentations, etc.) should include documentation of significant contribution to cancer research. If the Mentor is not a researcher in the selected FY19 PRCRP Topic Area of the PI, it is strongly recommended that a collaborator or co-Mentor be named.
- **PRCRP Topic Areas:** The proposed research must address at least one of the FY19 PRCRP Topic Areas in Section II.A.1.

- **Research Approach:** The scientific rationale and experimental methodology should demonstrate in-depth analysis of the research problem presented. The feasibility of the research design and methods should be well-defined, and a clear plan should be articulated as to how the proposed goals of the project can be achieved.
- **Researcher Development Plan:** A researcher development plan is required and should be prepared with appropriate guidance from the Mentor. The application should include a clearly articulated strategy for acquiring the necessary skills, competence, and expertise to successfully complete the proposed cancer research in at least one of the FY19 PRCRP Topic Areas in Section II.A.1. A commitment of 100% effort by the PI is required for the proposed research. If the PI is a predoctoral candidate, the proposed research should be in the topic of the PI's thesis.
- **Impact:** The proposed research should have the potential for significant impact on at least one of the FY19 PRCRP Military Health Focus Areas in one of the FY19 PRCRP Topic Areas.

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 PRCRP priorities.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 PRCRP Horizon Award will not exceed \$150,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

#### [Additional Details](#)

**LOI Deadline: August 21, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 28, 2019**

**Sponsor Deadline: September 11, 2019**

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## **Department of Defense (DoD) Peer Reviewed Cancer Research Program (PRCRP): Idea Award with Special Focus**

The FY19 PRCRP Idea Award with Special Focus supports innovative, untested, high-risk/ potentially high-reward concepts, theories, paradigms, and/or methods in cancer research that are relevant to active duty Service members, Veterans, other military beneficiaries, and the American public. The "Special Focus" of this award mechanism is on exposures, conditions, or circumstances that are unique to the military, disproportionately represented in a military beneficiary population, or may affect force readiness. Cancers or circumstances with cancer risk that may affect the Service members' support system (military families) are of special importance for total mission readiness. The advancement of knowledge in cancer research, patient care, and/or treatment options in the Military Health System (MHS) is critical to active duty Service members, Veterans, other military beneficiaries, and the American public. Relevance to military health should be articulated with respect to the overall MHS, the FY19 PRCRP Military Health Focus Areas in Section II.A.2, and the mission of the DHP and the FY19 PRCRP. For more information, review the following websites:

- PRCRP (<https://cdmrp.army.mil/prcrp/default>)
- PRCRP Report to Congress (<https://cdmrp.army.mil/prcrp/reports/reports>)
- Military Health System (<https://www.health.mil>)
- VA (<https://www.va.gov/>)

The Idea Award with Special Focus is not intended to support a logical progression of an already established research project. The proposed research should be innovative. A key characteristic of this funding opportunity is innovation. Innovative research may introduce a new paradigm, challenge existing paradigms, look at existing problems from new perspectives, or exhibit other highly creative qualities. Incremental advances, the next logical step, or switching a model system from one cancer to another cancer is not considered innovative. The proposed research project should include a well-formulated, testable hypothesis based on strong scientific rationale and study design. It is the responsibility of the Principal Investigator (PI) to select the funding opportunity that is most appropriate for the research proposed. For studies with strong preliminary data that support the next step in research, please consider the FY19 PRCRP Impact Award (W81XWH-19-PRCRP-IPA).

Inclusion of preliminary data is not required. This award is not intended to support ongoing research in the applicant's laboratory; therefore, inclusion of preliminary data other than serendipitous findings is not consistent with the exploratory nature of this award. The outcome of research supported by this award should be the generation of robust preliminary data that can be used as a foundation for future research projects to understand the mechanisms of initiation or progression of cancer, the quality of life during and following cancer treatment, etc.

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 PRCRP priorities.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

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

#### [Additional Details](#)

**LOI Deadline: May 22, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 28, 2019**

**Sponsor Deadline: September 11, 2019**

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## **Department of Defense (DoD) Peer Reviewed Cancer Research Program (PRCRP): Impact Award**

The FY19 PRCRP Impact Award supports hypothesis-driven, high-impact research. The Impact Award mechanism encourages applications with mature research projects that specifically focus on critical scientific or clinical cancer issues, which, if successfully addressed, have the potential to make a major impact on at least one of the FY19 PRCRP Topic Areas. Important factors under consideration will be continuity of research, clinical applicability, and leveraging of clinical samples and trials. Through the Impact Award, the PRCRP seeks to build foundations for finding cures in under-funded, under-studied, and/or lethal militarily relevant cancer or research areas. With the Impact Award, PRCRP offers the unique opportunity to find commonalities in research across multiple cancers that advance the broader cancer field and to address cancer funding disparities within the FY19 PRCRP Topic Areas. The Impact Award supports identifying scientific outcomes through rigorous, robust research that are translatable toward treatment and/or preventive strategies. Research proposed should aim to accelerate promising findings toward clinical applicability and leverage research results to maximize impact.

The critical components of this award mechanism are:

- **Impact:** The Impact Award is intended to support research that demonstrates the potential to have a major impact on an area of paramount importance in cancer. The proposed study should demonstrate how the research will transform cancer research toward improved patient care in at least one of the FY19 PRCRP Topic Areas and has potential near-term outcomes. The research should make a significant shift toward clinical applicability in at least one of the FY19 PRCRP Topic Areas. Research should challenge paradigms with respect to the endpoint of impact on patient care and outcomes. Proposed projects may include translational or clinical research, including clinical trials. The potential impact of the proposed research is expected to be near-term and it must be significant and go beyond an incremental advance. The applicant must articulate the potential impact the proposed work will have on cancer research and/or patient care. Impactful research will, if successful, accelerate the movement of promising ideas into clinical applications. The Impact Award is not intended for basic research.
- **Preliminary Data:** The Impact Award is intended to support transformative investigations that leapfrog the cancer research field forward by utilizing previous research findings. 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.
- **Continuity of Research:** The Impact Award 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.
- **Military Relevance:** The proposed research must address at least one of the FY19 PRCRP Military Health Focus Areas. The proposed research must be relevant to active duty Service members, Veterans, and their beneficiaries. For more information, review the following websites:
  - PRCRP (<https://cdmrp.army.mil/prcrp/default>)
  - PRCRP Report to Congress (<https://cdmrp.army.mil/prcrp/reports/reports>)
  - Military Health System (MHS) (<https://www.health.mil>)
  - VA (<https://www.va.gov/>)

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 PRCRP priorities.

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 PRCRP priorities.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 PRCRP Impact Award will not exceed \$1,000,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

#### Additional Details

**LOI Deadline: May 22, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 28, 2019**

**Sponsor Deadline: September 11, 2019**

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## **Department of Defense (DoD) Peer Reviewed Cancer Research Program (PRCRP): Translational Team Science Award**

The FY19 PRCRP Translational Team Science Award (TTSA) supports hypothesis-driven translational studies. These studies should be associated with a clinical trial. The proposed project should focus on research for the next-phase clinical trial or future clinical application. The TTSA is intended to support advanced translational studies that are based on results from clinical investigations. While funding for clinical trials is allowed, the TTSA is intended to support multi-investigator, multidisciplinary teams to perform clinical research studies and not only to fund a clinical trial. Research projects funded by the TTSA should address critical knowledge gaps in clinical outcomes, validate key research results, expand upon potentially game-changing results, or investigate novel clinical findings.

New for FY19: The FY19 PRCRP TTSA Areas of Emphasis (strongly encouraged but not required):

- Interventions to improve quality of life for cancer patients and/or survivors
- Cancer prevention or early detection
- Understanding metastatic disease to improve outcomes

Applications proposing a study not within the scope of the FY19 PRCRP TTSA Areas of Emphasis must demonstrate that the research proposed once translated to the clinic will have lasting impact in the research area studied.

The TTSA may support studies in animal models, human subjects, and human anatomical substances. Accordingly, development or use of relevant preclinical models may be included. The TTSA is not intended to support high-throughput screenings, sequencing, etc.

Important aspects of the TTSA mechanism are as follows:

- **Collaboration:** The success of the project depends on the unique skills and contributions of each collaborator. At least two, and up to three, Principal Investigators (PIs) must partner in one overarching study in at least one of the required FY19 PRCRP Topic Areas. At least one military or VA investigator is strongly encouraged to be included as an equal partner in the research offering both intellectual investment and research effort.
  - A military or VA investigator is defined as an investigator who is active duty, active reserve, active duty detailed to agencies outside of the DoD, civilian DoD investigators, or an investigator at a VA research facility. The military/VA investigator should have a substantial role in the research and should not be included only for access to active duty military and/or VA populations (see “Relevance to Military Health” below).
- **Translation:** The application should provide evidence for the reciprocal transfer of information between basic and clinical science or vice versa in developing and implementing the research plan. Translational research should be based on clinical trials. The application should demonstrate how the study will leverage clinical information to address knowledge gaps in resulting outcomes, validate key research findings, and expand upon potentially translational results, or investigate novel findings.
- **Relevance to Military Health:** The proposed research must address at least one of the FY19 PRCRP Military Health Focus Areas. The proposed research must be relevant to active duty Service members, Veterans, and other military beneficiaries. For more information, review the following websites: PRCRP (<https://cdmrp.army.mil/prcrp/default>), PRCRP Report to Congress (<https://cdmrp.army.mil/prcrp/reports/reports>), Military Health System (MHS) (<https://www.health.mil/>), and VA (<https://www.va.gov/oro/>).
- **Impact:** The proposed research should have the potential to have a significant impact on cancer research and/or patient care and the potential to accelerate the movement of promising ideas (in prevention, detection, diagnosis, prognosis, treatment, and/or survivorship) into clinical applications for at least one of the FY19 PRCRP Topic Areas.
- **Preliminary Data Required:** Clinical data must be included in the application and/or citations of the investigators’ work that are relevant to the proposed studies.

Collaborations with a military/VA investigator are strongly encouraged. All PIs are encouraged to align their research projects with DoD and/or VA research laboratories and programs. While not a complete list, the following websites may be useful in identifying additional information about ongoing DoD and VA areas of research interest or potential opportunities for collaboration:

- Air Force Research Laboratory <https://www.wpafb.af.mil/afri>
- Armed Forces Radiobiology Research Institute <https://www.usuhs.edu/afri/>
- Defense Advanced Research Projects Agency <https://www.darpa.mil/>
- Defense Technical Information Center <https://discover.dtic.mil/>
- Naval Health Research Center <https://www.med.navy.mil/sites/nhrc>
- Navy and Marine Corps Public Health Center <https://www.med.navy.mil/sites/nmcphc/Pages/Home.aspx>
- Office of Naval Research <https://www.onr.navy.mil/>
- Office of the Under Secretary of Defense for Acquisition, Technology and Logistics <https://www.acq.osd.mil/>
- Uniformed Services University of the Health Sciences <https://www.usuhs.edu/research>
- U.S. Army Medical Research Acquisition Activity <https://www.usamraa.army.mil/>
- U.S. Army Medical Research and Materiel Command <https://mrmc.amedd.army.mil>
- U.S. Army Research Laboratory <https://www.arl.army.mil>
- U.S. Department of Veterans Affairs, Office of Research and Development <https://www.va.gov/oro/>
- U.S. Naval Research Laboratory <https://www.nrl.navy.mil/>
- Walter Reed Army Institute of Research <https://www.wrair.army.mil/>

Cancer clinical research resources: PIs are encouraged to review clinical research and/or trial information and resources available through the National Cancer Institute (NCI) Cancer Therapy Evaluation Program (CTEP). Detailed information on the activities of the CTEP can be found at <https://ctep.cancer.gov/default.htm>.

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 PRCRP priorities.

The proposed research must be relevant to active duty Service members, Veterans, military beneficiaries, and/or the American public.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 PRCRP TTSA award will not exceed \$1,500,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

#### [Additional Details](#)

**LOI Deadline: May 22, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: August 28, 2019**

**Sponsor Deadline: September 11, 2019**

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### **Department of Defense (DoD) Multiple Sclerosis Research Program (MSRP): Exploration - Hypothesis Development Award**

The Exploration – Hypothesis Development Award supports the initial exploration of innovative, high-risk, high-gain, and potentially groundbreaking concepts in the MS research field. The studies supported by this award mechanism are expected to lay the groundwork for future avenues of scientific investigation. The proposed research project should include a well-formulated, testable hypothesis based on strong scientific rationale and study design. The presentation of preliminary and/or published data is not required.

The proposed research project should be innovative. Innovative research may examine a novel paradigm, challenge current paradigms, look at existing problems from novel perspectives, or exhibit other highly creative qualities. Research that is an incremental advance beyond ongoing research and published data is not considered innovative and is not consistent with the intent of this award mechanism. It is the responsibility of the Principal Investigator (PI) to clearly and explicitly articulate how the proposed research project is innovative in the field of MS research.

For the “Correlates of Disease Activity and Progression in MS” Focus Area, PIs must demonstrate access to the relevant specimens and/or data of the proposed cohort. Appropriate access must be confirmed at the time of application submission. See Attachment 8: Letter(s) Confirming Access to Specimens and/or Data.

Note for projects involving animal models of MS: Applicants should be prudent in the choice of animal model(s) for their proposed research project. Applicants must justify the relevance of their proposed animal model(s) to the specific aspect of human MS to be studied.

**Funding Details:** The anticipated direct costs budgeted for the entire period of performance for an FY19 MSRP Exploration – Hypothesis Development Award will not exceed \$150,000. Refer to Section II.D.5, Funding Restrictions, for detailed funding information.

[Additional Details](#)

**LOI Deadline: May 21, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: September 5, 2019**

**Sponsor Deadline: September 19, 2019**

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## **Department of Defense (DoD) Multiple Sclerosis Research Program (MSRP): Investigator-Initiated Research Award**

The Investigator-Initiated Research Award supports highly rigorous, high-impact research projects that have the potential to make an important contribution to MS research and/or patient care. Research projects may focus on any phase of research, excluding clinical trials. The rationale for a research idea may be derived from laboratory discovery, clinical trial results, population-based studies, a clinician’s firsthand knowledge of patients, or anecdotal data. Applications must include preliminary and/or published data that are relevant to MS and the proposed research project.

For the “Correlates of Disease Activity and Progression in MS” Focus Area, Principal Investigators (PIs) must demonstrate access to the relevant specimens and/or data of the proposed cohort. Appropriate access must be confirmed at the time of application submission. See Attachment 8: Letter(s) Confirming Access to Specimens and/or Data.

Note for projects involving animal models of MS: Applicants should be prudent in the choice of animal model(s) for their proposed research project. Applicants must justify the relevance of their proposed animal model(s) to the specific aspect of human MS to be studied.

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

[Additional Details](#)

**LOI Deadline: May 21, 2019 (A pre-application is required and must be submitted through eBRAP)**

**Internal HRS Deadline: September 5, 2019**

**Sponsor Deadline: September 19, 2019**

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