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- Québec Consortium for Drug Discovery (CQDM): Quantum Leap – Preliminary Application deadline July 10, 2017

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

Join Community of Science (COS) Pivot: an up-to-date database of funding opportunities from around the world, create your Pivot account at https://pivot.cos.com/session/login_help.
• Department of Defense, Congressionally Directed Medical Research Programs, FY17 Tuberous Sclerosis Complex Research Program (TSCRP): Grants – Pre-application deadline July 11, 2017

• Department of Defense, Congressionally Directed Medical Research Programs, FY17 Peer Reviewed Orthopaedic Research Program (PRORP): Grants – Pre-application deadline July 12, 2017

• Spencer (Spencer Foundation): Lyle Spencer Research Awards, Advancing Understanding of Education Practice and Its Improvement – Letter of Intent deadline October 12, 2017

Previously announced:

• University of Saskatchewan, Global Water Futures: Solutions to Water Threats in an Era of Global Change, Request for Proposals - Letters of Intent for Pillars 1 and 2 - Notify ROADS of Intent to Submit a Letter of Intent by May 1, 2017; Global Water Futures Letter of Intent deadline June 16, 2017

• Higher Education Quality Council of Ontario (HEQCO): Social Media Scan of Ontario Student Assistance Program (OSAP) Perceptions, RFP Number: 17/18-RFP-002 – Questions or Clarifications to RFP deadline May 18, 2017; Application deadline June 15, 2017

• Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA): 2017 OMAFRA New Directions Research Program, Call for Proposals – Northern Livestock – OMAFRA Pre-submission Consultation May 25, 2017; Application deadline July 12, 2017

• Social Sciences and Humanities Research Council (SSHRC): Connection Grants – Webinar May 30, 2017; Notify ROADS of Intent to Apply by June 9, 2017; SSHRC Application deadline August 1, 2017

• Department of Defense, Congressionally Directed Medical Research Programs, FY17 Breast Cancer Research Program (BCRP): Awards - Pre-application deadlines June 8, June 9, 2017

• Department of Defense, Congressionally Directed Medical Research Programs, FY17 Amyotrophic Lateral Sclerosis Research Program (ALSRP): Awards – Pre-application deadline June 9, 2017

• Ontario Ministry of Education, Knowledge Network for Applied Education Research (KNAER): Call for Proposals – Learning and Leading for Equity Knowledge Network Phase 2 – Application deadline June 12, 2017

• Weston Brain Institute, Canada: Rapid Response 2017, Alzheimer’s and Related Diseases – Program Information Webinar June 12, 2017; Letter of Intent deadline July 5, 2017

• Natural Sciences and Engineering Research Council of Canada (NSERC) – Upcoming Webinars – June 13 - September 27, 2017

• Mitacs: Globalink Research Internship – Project deadline June 14, 2017
• Ontario Ministry of Research, Innovation and Science (MRIS): Early Researcher Awards (ERA) Round 13: Notify Department Chair, Associate Dean Research and ROADS of Intent to Apply by June 14, 2017; MRIS Notice of Intent to Apply deadline July 7, 2017; MRIS Application deadline September 5, 2017

• Department of Defense, Congressionally Directed Medical Research Programs, FY17 Ovarian Cancer Research Program (OCRP): Awards – Pre-application deadlines June 14, June 21, 2017

• Ontario Institute for Cancer Research (OICR), Cancer Therapeutics Innovation Pipeline (CTIP): Request for Applications, RFA-CTIP-1718-01 – Registration deadline June 16, 2017

• Department of Defense, Congressionally Directed Medical Research Programs, FY17 Multiple Sclerosis Research Program (MSRP): Awards – Pre-application deadline June 26


• Department of Defense, Congressionally Directed Medical Research Programs, FY17 Lung Cancer Research Program (LCRP): Awards – Pre-application deadlines June 28, July 27, September 13, 2017

• Statistics Canada: Biobank, Call for Research Proposals – Application deadline June 30, 2017

• Higher Education Quality Council of Ontario (HEQCO): HEQCO Access and Retention Consortium 2.0 – Expression of Interest deadline June 30, 2017

• Human Toxicology Project Consortium, Call for proposals: Roadmaps to human biology-based disease research – Application deadline June 30, 2017

• Department of Defense, Congressionally Directed Medical Research Programs, FY17 Vision Research Program (VRP): Awards – Pre-application deadline July 12, 2017

• Department of Defense, Congressionally Directed Medical Research Programs, FY17 Bone Marrow Failure Research Program (BMFRP): Awards – Pre-application deadline July 13, 2017

• Hamilton Community Foundation: Grants – Application deadlines July 14, October 13, 2017

• Escher Fund for Autism, Germline-Borne Etiology of Autism and Dysregulated Neurodevelopment: The Question of Early Gamete Exposure to General Anesthesia – Letter of Interest deadline July 31, 2017

• Harry Frank Guggenheim Foundation: Research Grants – Application deadline August 1, 2017

• Spencer (Spencer Foundation): Small Research Grants and The New Civics – Application deadline August 1, 2017

• William T. Grant Foundation: Research Grants – Letter of Inquiry deadline August 2, 2017

• Tinker Foundation Incorporated: Institutional Grants – Letter of Inquiry deadline August 21, 2017; Application deadline September 15, 2017
• Conserver Society of Hamilton and District Inc: Ed Smee Fund – Notice-of-Interest deadline August 30, 2017

• The John Templeton Foundation: Small and Large Grant Program – Online Funding Inquiry deadline August 31, 2017


• Hamilton Community Foundation: Edith H. Turner Foundation Fund – Application deadline September 8, 2017

• William T. Grant Foundation: Institutional Challenge Grant – Application deadline September 12, 2017

• Wabash Center: Project Grants – Application deadline October 3, 2017

• The Michael J. Fox Foundation: Core Funding Programs – Core Funding Programs - Pre-Proposal deadline October 19, 2017

• Wenner-Gren Foundation: Post-Ph.D. Research Grants – Application deadline November 1, 2017

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

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

• Simons Foundation, Mathematics and Physical Sciences Division: Targeted Grants in Mathematics and Physical Sciences – Letters of Intent are accepted on a rolling basis.

Susan G. Komen: 2017-18 Career Catalyst Research (CCR) Grants

The Komen CCR Grants are training and career development awards that seek to bridge the funding gap faced by faculty as they begin their careers in breast cancer research. The grants provide unique opportunities for scientists who have held faculty positions for no more than five years by the application due date (September 6, 2017).

There are two focus areas:

1) **New Treatments for Drug-Resistant Breast Cancers**, the objective: to support studies on new treatments for estrogen receptor positive (ER+) breast cancer and triple negative breast cancer, that have developed resistance to standard therapy, which will lead to a reduction in breast cancer deaths by 2026.

2) **New Approaches to Combat Metastatic Breast Cancer**, the objective: to support translational research into the understanding, detection and treatment of metastatic (Stage IV) breast cancer, which will lead to a reduction in breast cancer deaths by 2026.
(review *appropriate studies*, page 4 at https://www5.komen.org/uploadedFiles/_Komen/Content/Grants_Central/Scientific_Research_Grants/Funding_Opportunities/FY18%20CCR%20LOI%20Final%2005-19-17.pdf)

https://www5.komen.org/ResearchGrants/FundingOpportunities.html

**Value:**
maximum $150,000 per year (combined direct and indirect costs) for a maximum 3 years

**Application process:**
The Susan G. Komen letter of intent deadline is **June 7, 2017**.

**ROADS contact:**
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581

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**Burroughs Wellcome Fund (BWF): Investigators in the Pathogenesis of Infectious Diseases**

The objective of this funding opportunity is to support accomplished investigators (at the assistant professor level) to study pathogenesis, with a focus on the interplay between human and microbial biology, shedding light on 1) how human and microbial systems are affected by their encounters, and 2) the fundamentals that affect the outcomes of these encounters (i.e., how colonization, infection, commensalism, and other relationships play out at levels ranging from molecular interactions to systemic ones).


**Conference Calls**
The BWF staff will hold conference calls for applicants who have questions regarding the program:

**June 8, 2017**, 3:00 pm EDT
Dial in number: 800-247-5110
Passcode: BWF

**June 26, 2017**, 3:00 pm EDT
Dial in number: 800-247-5110
Passcode: BWF

**Value:**
maximum $500,000 over 5 years

**Application process:**
The BWF pre-proposal deadline is **July 14, 2017**.

**ROADS contact:**
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
Alex’s Lemonade Stand Foundation (ALSF) for Childhood Cancer: 2017 Psychosocial Grants

The ALSF offers two different Psychosocial Grants:

1) **Launch Grants** (designed for early career researchers within 7 years of receiving their terminal degree/completing formal training), the objective: to support studies that aim to explain and/or improve psychosocial outcomes of those affected by childhood cancer. Demonstration of outstanding mentorship and a career plan that shows commitment to pediatric cancer investigation are important components of a successful application. (review [https://www.alexslmonde.org/sites/default/files/2017_psychosocial_launch_guidelines.final.pdf](https://www.alexslmonde.org/sites/default/files/2017_psychosocial_launch_guidelines.final.pdf))

2) **Family Impact Grants** (designed for established investigators), the objective: to support studies that aim to explain and/or improve psychosocial outcomes of those affected by childhood cancer. The grant is designed to fund researchers who have novel approaches to understanding the psychosocial aspects of pediatric cancer, and whose proposals will have clinically significant impact. (review [https://www.alexslmonde.org/sites/default/files/2017_psychosocial_family_impact_guidelines.final.pdf](https://www.alexslmonde.org/sites/default/files/2017_psychosocial_family_impact_guidelines.final.pdf))


**Value:**

**Launch:** maximum $50,000 per year for two 2 years  
**Family Impact:** maximum $100,000 per year for 3 years

**Application process:**
The ALSF letter of intent deadline is **June 9, 2017**.

**ROADS contact:**
Christina Pellegrini, Senior Advisor, at [pellegrc@mcmaster.ca](mailto:pellegrc@mcmaster.ca) or extension 27207

Natural Sciences and Engineering Research Council of Canada (NSERC): Discovery Grants Program

NSERC is now accepting Notices of Intent (NOIs) for the 2018 **Discovery Grants** competition. The Discovery Grants program aims to promote and maintain a diversified base of high-quality research capability in the natural sciences and engineering in Canadian universities, foster research excellence, and provide a stimulating environment for research training.

The objective of the Discovery Grant is to support ongoing programs of research with long-term goals. Discovery Grants are considered ‘grants in aid’ of research as they provide long term operating funds to support the costs of a research program.

Recipients of Discovery Grants are not restricted to the specific activities described in their applications. The grant provides researchers with the flexibility to pursue promising research avenues as they emerge, and the opportunity to address higher-risk (higher reward) topics provided they are within NSERC’s mandate (i.e., to promote and assist research in the natural sciences and engineering, other than health).
Researchers may use their grants to participate in collaborative efforts.

**ROADS Information Session**
June 13, 2017, 2:00 - 4:00pm, Michael DeGroote Centre for Learning and Discovery (MDCL), Room 3020

**Open session from 2:00 - 3:00pm:**
- Discovery Grant Evaluation Group members will share their experiences with the grant review process and offer guidance to potential applicants:
  - Kari Dalnoki-Veress, Professor, Physics & Astronomy – Physics Evaluation Group
  - Bhagwati Gupta, Associate Professor, Biology – Genes, Cells and Molecules Evaluation Group
  - Rong Zheng, Associate Professor, Computing & Software – Computer Science Evaluation Group
  - Ravi Selvaganapathy, Associate Professor, Mechanical Engineering – Electrical & Computer Engineering Evaluation Groups
- Presentation from ROADS on NOI and full application processes

**Breakout sessions held concurrently from 3:00 - 4:00pm:**
- **Breakout Session #1** – Kari Dalnoki-Veress and Bhagwati Gupta
  - Location: MDCL 3020
- **Breakout Session #2** – Rong Zheng and Ravi Selvaganapathy
  - Location: MDCL 3022

To register: https://nsercifnojune13.eventbrite.ca

**Recent Changes to the Discovery Grants Program:**
The NOI must be submitted electronically using NSERC’s Research Portal at https://portal-portal.nserc-crsng.gc.ca/ and the NSERC version of the Canadian Common CV (CCV) which can be accessed at https://ccv-cvc.ca/indexresearcher-eng.frm. Instructions regarding completion and submission of the NOI can be found on NSERC’s website at http://www.nserc-crsng.gc.ca/ResearchPortal-PortailDeRecherche/Instructions-Instructions/DG_NOI-AL_SD_eng.asp. It is strongly recommended that you allow ample time to complete the NOI since completion of the NSERC CCV can be very time consuming. It is not possible to cut and paste information from existing documents into the NSERC CCV.

As of the 2016 Discovery Grants Competition, NSERC will no longer be accepting Team Grant applications.

http://www.nserc-crsng.gc.ca/Professors-Professeurs/grants-sub/ DGIGP-PSIGP_eng.asp

**Value:**
Discovery Grants are not meant to support the full costs of a research program. The overall merit assessment of each application is based on a combination of ratings by Evaluation Groups. The final rating assigned, the applicant category, and the outcome of the assessment of the relative costs of research, will determine the grant level. Discovery Grants are normally awarded for 5 years.

**Application process:**
The NSERC NOI deadline is **August 1, 2017.**

**ROADS contact:**
Virginia Viscardi, Senior Advisor, at viscarvl@mcmaster.ca or extension 24519
Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY17 Peer Reviewed Medical Research Program (PRMRP): Grants

The DoD has recently announced the following PRMRP Awards (Grants):

1) **Technology/Therapeutic Development Award**, the objective: to support the translation of promising preclinical findings into products (a tangible item/knowledge-based) for clinical applications including prevention, detection, diagnosis, treatment or quality of life, in at least one of the Congressionally directed Topic Areas. (review **Topic Areas**, pages 4-5 at [http://cdmrp.army.mil/funding/pa/FY17-PRMRP-TTDA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRMRP-TTDA.pdf)) (review **Types of Research**, pages 6-7 at [http://cdmrp.army.mil/funding/pa/FY17-PRMRP-TTDA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRMRP-TTDA.pdf))

2) **Investigator-Initiated Research Award**, the objective: to support studies that will make an important contribution toward research and/or patient care for a disease or condition related to at least one of the Congressionally directed Topic Areas. (review **Topic Areas**, pages 4-5 at [http://cdmrp.army.mil/funding/pa/FY17-PRMRP-IIRA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRMRP-IIRA.pdf)) The rationale for a research idea may be derived from a laboratory discovery, population-based studies, a clinician’s first-hand knowledge of patients, or anecdotal data.

3) **Discovery Award**, the objective: to support innovative, non-incremental, high-risk/potentially high-reward research that will provide new insights, paradigms, technologies, or applications for future avenues of scientific investigation. (review **Topic Areas**, pages 4-5 at [http://cdmrp.army.mil/funding/pa/FY17-PRMRP-DA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRMRP-DA.pdf))

4) **Focused Program Award**, the objective: to optimize research and accelerate the solution for a critical question related to at least one of the Congressionally directed Topic Areas through a synergistic, multidisciplinary research program. (review **Topic Areas**, pages 4-5 at [http://cdmrp.army.mil/funding/pa/FY17-PRMRP-FPA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRMRP-FPA.pdf))

5) **Clinical Trial Award**, the objective: to support the rapid implementation of clinical trials with the potential to have a significant impact on a disease or condition addressed in at least one of the Congressionally directed Topic Areas. (review **Topic Areas**, pages 4-5 at [http://cdmrp.army.mil/funding/pa/FY17-PRMRP-CTA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRMRP-CTA.pdf)) Clinical trials may be designed to evaluate promising new products, pharmacologic agents (drugs or biologics), devices, clinical guidance and/or emerging approaches and technologies. (review page 6, **proposed projects**, at [http://cdmrp.army.mil/funding/pa/FY17-PRMRP-CTA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRMRP-CTA.pdf))


**Value:**
- **Technology/Therapeutic Development**: maximum $3 million over 3 years
- **Investigator-Initiated Research**: Single, $1.2 million; Partnering PI Option, $1.5 million, over 3 years
- **Discovery**: maximum $200,000 over 18 months
- **Focused Program**: maximum $10 million over 4 years
- **Clinical Trial**: maximum $10 million over 4 years

**Application process:**
The DoD pre-application deadlines are as follows, 2017:
Technology/Therapeutic Development: June 13
Investigator-Initiated Research: July 13
Discovery: July 19
Focused Program: July 20
Clinical Trial: July 20

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

Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY17 Peer Reviewed Cancer Research Program (PRCRP): Grants

The DoD has recently announced the following PRCRP Awards (Grants):

1) Idea Award with Special Focus, the objective: to support 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 is on exposures, conditions, or circumstances that are unique to the military, disproportionately represented in a military beneficiary population, or may affect mission readiness. (review Topic Areas, page 3 and Military Relevance Focus Areas, page 4 at http://cdmrp.army.mil/funding/pa/FY17-PRCRP-IA.pdf)

2) Translational Team Science Award, the objective: to support hypothesis-driven translational studies. The studies should be associated with an ongoing or completed clinical trial and/or annotated biorepositories, and focused on research for the next-phase clinical trial or future clinical application. Research projects should address critical knowledge gaps in clinical outcomes, validate key research results, expand upon potentially transformative results, or investigate novel findings based on results from clinical research. (review Topic Areas, page 3 and Military Relevance Focus Areas, page 4 at http://cdmrp.army.mil/funding/pa/FY17-PRCRP-TTSA.pdf) At least two, and up to three, Principal Investigators must partner in one overarching study in at least one of the required Topic Areas. At least one military or VA investigator is encouraged to be included as an equal partner in the research, offering both intellectual investment and research effort.

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

Value:
Idea Award with Special Focus: maximum $400,000 over 2 years
Translational Team Science Award: maximum $1 million over 4 years

Application process:
The DoD pre-application deadline is June 30, 2017.

ROADS contact:
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
The DoD has recently announced the following GWIRP Awards (Grants):

1) **Biorepository Resource Network Award**, the objective: to provide infrastructure support for the development of a GWI biorepository comprised of a network of institutions that will collect, process, annotate, store, and distribute high-quality biospecimens from Veterans of the 1990-1991 Persian Gulf War. In addition, the biorepository is intended to house biological data from previous studies (e.g., imaging or -omics data without specimens attached). (review http://cdmrp.army.mil/funding/pa/FY17-GWIRP-BRNA.pdf)

2) **Clinical Consortium Award**, the objective: to support a major goal-/product-driven Consortium of exceptional institutions and investigators, that will accelerate the clinical translation of basic GWI research into clinical therapies, and ultimately decrease the impact of the illness. The Consortium will conceive, design, develop, and conduct collaborative Phase I and/or II clinical trials of promising therapeutic agents for the management or treatment of GWI. (review http://cdmrp.army.mil/funding/pa/FY17-GWIRP-CCA.pdf)

3) **Investigator-Initiated Focused Research Award**: This award supports projects at different stages of development:
- **Tier 1 – Discovery**, the objective: to support exploratory, high-risk/high-reward research that is in the earliest stages of development. Research must have the potential to yield new approaches for diagnosis or treatment of GWI. Preliminary data are not required. Examples of activities: investigations characterizing basic GWI pathobiology; symptom clustering aimed at molecular characterization; concepts shown to be effective for other illnesses but not yet studied in 1990-1991 Veterans with GWI. (review Topics of Special Interest, page 4 at http://cdmrp.army.mil/funding/pa/FY17-GWIRP-IIFRA.pdf)

- **Tier 2 – Applied Research**, the objective: to support the advancement of more mature GWI research for the purposes of therapeutic development or diagnostic validation. Preliminary data is required. Types of activities: clinical validation of diagnostic approaches; advanced development of lead compounds; the collection of various preclinical data for repurposing an existing approved drug, or for new Investigational New Drug application submissions to the U.S. Food and Drug Administration (FDA). (review Topics of Special Interest, page 4 at http://cdmrp.army.mil/funding/pa/FY17-GWIRP-IIFRA.pdf)

4) **Qualitative Research Award**, the objective: to support qualitative research studies that seek to understand the experiences, perceptions, barriers and beliefs of Veterans suffering from GWI, and those responsible for their care. Observations that drive a research idea may be derived from basic discovery, population-based studies, a clinician’s firsthand knowledge of patients, or anecdotal data. (review Research Topics and outcomes, page 4 at http://cdmrp.army.mil/funding/pa/FY17-GWIRP-QRA.pdf)

**Value:**
- **Biorepository Resource Network**: maximum $2,500,000 over 3 years
- **Clinical Consortium**: maximum $8 million over 4 years
- **Investigator-Initiated Focused Research**: Tier 1, maximum $230,000 over 2 years; Tier 2, maximum $700,000 over 3 years
- **Qualitative Research**: maximum $400,000 over 3 years
Application process:
The DoD pre-application deadline is June 30, 2017.

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

Ontario Ministry of Community and Social Services, Social Policy Development Division, Ontario’s Developmental Services Research Grant Fund – 2017 Call for Proposals (third Call)

The objective of the Developmental Services (DS) Research Grant Fund is to support research capacity, innovative initiatives, and knowledge enhancement across the DS sector, and 2) foster knowledge translation and exchange that encourages the use of evidence to inform policy development and decision making.

Research themes:
a) Criminal justice system and forensic services: identifying the effectiveness of various court diversion programs and preventative supports; the identification of individuals with developmental disabilities in the justice system.

b) Support models/living arrangements/residential models for people with exceptional (i.e., medical and/or behavioural) needs: identifying physical space/design arrangements that best meet the needs of individuals with exceptional needs, along with the outcomes and costs associated with different models.

c) Direct funding: identifying accountability mechanisms to ensure the quality of services purchased; conducting a jurisdictional comparison of funding rates and maximum funding; understanding the advantages and disadvantages of direct versus indirect funding by addressing barriers and enablers, levels of satisfaction, social inclusion, development of support networks, creation of innovative services; identifying mechanisms to support healthy markets for direct funded services.


Value:
The Fund will provide a maximum of $400,000 across all funded projects between October 1, 2017 to September 30, 2019. Projects may be either short-term projects (less than 1 year), or larger projects (maximum 2 years).
The amount of funding awarded will be based on the complexity of the project, the number of research questions identified, the duration of the project and the type of research.

Application process:
The Ontario Ministry of Community and Social Services application deadline is July 5, 2017.

ROADS contact:
Leanna Fong, Senior Advisor, at fongl@mcmaster.ca or extension 21583
Contact the Senior Advisor above for the Grant Call Letter and the Application.
Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY17 Tick-Borne Disease Research Program (TBDRP): Grants

The DoD has recently announced the following TBDRP Awards (Grants):

1) **Idea Award**, the objective: 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. (review **Focus Areas**, pages 3-4 at [http://cdmrp.army.mil/funding/pa/FY17-TBDRP-IA.pdf](http://cdmrp.army.mil/funding/pa/FY17-TBDRP-IA.pdf))

2) **Investigator-Initiated Research Award**, the objective: 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. The award 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. (review **Focus Areas**, pages 3-4 at [http://cdmrp.army.mil/funding/pa/FY17-TBDRP-IIRA.pdf](http://cdmrp.army.mil/funding/pa/FY17-TBDRP-IIRA.pdf))

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

**Value:**

**Idea**: maximum $250,000 over 2 years  
**Investigator-Initiated Research**: maximum $700,000 over 3 years

**Application process:**
The DoD pre-application deadline is **July 5, 2017**.

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

Québec Consortium for Drug Discovery (CQDM): Quantum Leap

The objective of the **Quantum Leap** program is to support highly innovative technologies, platforms or tools with strong preliminary data showcasing high potential to drastically improve, facilitate and accelerate the process of discovery and development of drugs that prevent, treat or cure diseases pursued by the biopharmaceutical industry. The research agenda extends to all scientific and technical fields related to biopharmaceutical R&D and all disciplines to enhance and improve biopharmaceutical research productivity.

The Quantum Leap strategic initiative aims to bring disruptive technologies or platforms to a point where services and/or products generated by the platforms could be commercialized, or further developed for use by the industry and/or the scientific community. The program strongly encourages public-private partnerships.


**Value:**
CQDM will consider applications with a total budget ranging from $500,000 to $2,000,000 for a minimum 1 year, maximum 3 years.

**Application process:**
The CQDM preliminary application deadline is **July 10, 2017**.
Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY17 Tuberous Sclerosis Complex Research Program (TSCRP): Grants

The DoD has recently announced the following TSCRP Awards (Grants):

1) **Exploration Hypothesis Development Award**, the objective: to support the initial exploration of innovative, high-risk, high-gain, and potentially groundbreaking concepts in the TSC research field. The studies supported by this award are expected to generate preliminary data 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. (review **Focus Areas**, page 3 at [http://cdmrp.army.mil/funding/pa/FY17-TSCRPEHDA.pdf](http://cdmrp.army.mil/funding/pa/FY17-TSCRPEHDA.pdf))

2) **Idea Development Award**, the objective: to support ideas that have the potential to yield high-impact findings and new avenues of investigation. The award supports conceptually innovative research that could ultimately lead to critical discoveries in TSC research and/or improvements in patient care. (review **Focus Areas**, page 3 at [http://cdmrp.army.mil/funding/pa/FY17-TSCRP-IDA.pdf](http://cdmrp.army.mil/funding/pa/FY17-TSCRP-IDA.pdf))

3) **Clinical Translational Research Award**, the objective: to support forward and/or reverse clinical/translational studies that have a reciprocal flow of ideas and information between basic and clinical science, and have the potential to improve the diagnosis, prognosis, or treatment of TSC. Projects may include studies moving from preclinical to clinical research (including a pilot clinical trial) and/or the reverse, analyzing human anatomical substances and/or data associated with clinical trials (e.g., correlative studies) to develop models that recapitulate relevant clinical outcomes for use in translational research. (review **Focus Areas**, page 3 at [http://cdmrp.army.mil/funding/pa/FY17-TSCRP-CTRA.pdf](http://cdmrp.army.mil/funding/pa/FY17-TSCRP-CTRA.pdf))

(for designing translational research studies, review **The Translational Research Working Group Developmental Pathways: Introduction and Overview** at [http://clincancerres.aacrjournals.org/content/14/18/5664.full](http://clincancerres.aacrjournals.org/content/14/18/5664.full))

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

**Value:**

*Exploration Hypothesis Development*: maximum $150,000 over 2 years  
*Idea Development*: maximum $450,000 over 3 years  
*Clinical Translational Research*: maximum $600,000 over 3 years

**Application process:**
The DoD pre-application deadline is **July 11, 2017**.

**ROADS contact:**
Christina Pellegrini, Senior Advisor, at pellegrc@mcmaster.ca or extension 27207
The DoD has recently announced the following PRORP Awards (Grants):

1) **Applied Research Award**, the objective: to support applied research applications focused on advancing optimal treatment and restoration of function for military personnel with musculoskeletal injuries, sustained during combat or combat-related activities. (Applied research is defined as work that refines concepts and ideas into potential solutions with a view toward evaluating technical feasibility of promising new knowledge products, pharmacologic agents, behavioral and rehabilitation interventions, diagnostic and therapeutic techniques, clinical guidance, and/or emerging approaches and technologies.) (review Surgical Care and Rehabilitation Focus Areas, pages 3-5 at [http://cdmrp.army.mil/funding/pa/FY17-PRORP-ARA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRORP-ARA.pdf))

2) **Clinical Trial Award**, the objective: to support the rapid implementation of clinical trials with the potential to have a major impact on military combat-related orthopaedic injuries, or non-battle injuries that significantly impact unit readiness and return to duty/work rates. (review Surgical Care and Rehabilitation Focus Areas, pages 3-5 at [http://cdmrp.army.mil/funding/pa/FY17-PRORP-CTA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRORP-CTA.pdf))

3) **Integrated Clinical Trial Award**, the objective: to support the rapid implementation of an interdisciplinary clinical trial that integrates both surgical and rehabilitation strategies, and has the potential to have a major impact on the treatment of combat-related orthopaedic injuries and/or the treatment of non-battle injuries, that significantly impact unit readiness and return-to-duty/-work rates. Projects that follow patients across the continuum of care are highly encouraged. (review Surgical Care and Rehabilitation Focus Areas, pages 3-5 at [http://cdmrp.army.mil/funding/pa/FY17-PRORP-ICTA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRORP-ICTA.pdf))

4) **Clinical Translational Research Award**, the objective: to support high-impact and/or new/emerging clinical research that may or may not be ready for a full-scale randomized controlled clinical trial. Projects should include translational research that evaluates the effectiveness of healthcare practices and/or interventions in neuromusculoskeletal injuries rehabilitation. (review Rehabilitation Focus Areas, pages 3-4 at [http://cdmrp.army.mil/funding/pa/FY17-PRORP-CTRA.pdf](http://cdmrp.army.mil/funding/pa/FY17-PRORP-CTRA.pdf)) Projects should demonstrate potential to impact the standard of care, as well as contribute to evidence-based guidelines for the evaluation and care of military or Veteran patients with orthopaedic injuries including, but not limited to, amputation and/or limb salvage. Goals: a) to better understand and optimize the experiences, health, functional abilities, and quality of life of individuals who receive treatment for traumatic orthopaedic injuries; b) to identify the most effective diagnosis, treatment, rehabilitation, and prevention options available to support critical decision making for patients, clinicians, other caregivers, and policymakers.


**Value:**
- **Applied Research**: maximum $750,000 over 3 years
- **Clinical Trial**: maximum $3 million over 4 years
- **Integrated Clinical Trial**: maximum $4.5 million over 4 years
- **Clinical Translational Research**: maximum $2 million over 4 years

**Application process:**
The DoD pre-application deadline is **July 12, 207**.

**ROADS contact:**
Christina Pellegrini, Senior Advisor, at [pellegrc@mcmaster.ca](mailto:pellegrc@mcmaster.ca) or extension 27207
Spencer (Spencer Foundation): Lyle Spencer Research Awards, Advancing Understanding of Education Practice and Its Improvement

The objective of the Lyle Spencer Research Award is to support intellectually ambitious, large-scale education research projects across a variety of disciplines and fields.

Spencer intends through this endeavor to press colleagues in the research community to raise their level of intellectual ambition, to encourage work that is more 1) thoughtful, 2) critical of prevailing assumptions, 3) self-critical regarding his/her work and its limitations, 4) relevant to the aim of building knowledge for improved educational practice.


Value:
between $100,000 and $1,000,000

Application process:
The Spencer letter of intent deadline is October 12, 2017.

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

Previously announced:

University of Saskatchewan, Global Water Futures: Solutions to Water Threats in an Era of Global Change, Request for Proposals - Letters of Intent for Pillars 1 and 2

The objective of the Global Water Futures: Solutions to Water Threats in an Era of Global Change is to transform the way communities, governments and industries in Canada, and other cold regions of the world, prepare for and manage increasing water-related threats.

The Global Water Futures (GWF) program is now accepting Letters of Intent (LOIs) for their Pillars 1 and 2 initiatives:

Pillar 1 – Diagnosing and Predicting Change in Cold Regions
Pillar 2 – Developing Big Data and Decision Support Systems
(review Science Pillars at http://gwf.usask.ca/science-pillars.php#DiagnosingandPredictingChangeinColdRegions)

Proposed science, big data and decision support system projects should complement and show consistency with GWF core teams and strategies, and should be in alignment with the vision of GWF:
a) to provide Canada with the information and tools needed to prepare for and manage water futures in the face of unprecedented environmental and societal change, ensuring health and wellbeing;

b) to provide world-leading water science for Cold Regions and to be a global partner of choice for developing user-focussed solutions to water security.

The three-year projects will aim to put Canada at the forefront of water science and innovation. Strong project LOIs are those that make the case that their objectives are not adequately covered by GWF Core Support activities, and by Pillar 3 User-need Let Projects. The Strategic Management Committee has identified strategic research needs in the areas of:

a) Water and health;
b) Social science and governance;
c) Innovative sensors;
d) Science in support of big data analytics and high end computing;
e) Groundwater;
f) Cold regions processes.

There will be a separate request for proposals focussing on First Nations water issues.

Value:
A budget of up to $5 million over 3 years is available for this call. Depending on the size of the team and project scope, smaller projects could request up to $200,000 per year and larger projects (consortia) could request up to $500,000 per year.

The available funding is mostly for hiring highly qualified personnel and operating expenses, with the expectation that major equipment purchases will be met from elsewhere. Integration of international components in the projects are encouraged.

Application process:
Notify ROADS of Intent to Submit and LOI by May 1, 2017. The LOI first draft is due to ROADS by May 23, 2017. The LOI final draft is due to ROADS by June 9, 2017. The University of Saskatchewan letter of intent deadline is June 16, 2017.

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

Higher Education Quality Council of Ontario (HEQCO): Social Media Scan of Ontario Student Assistance Program (OSAP) Perceptions, RFP Number: 17/18-RFP-002

The objective of this request for proposals (RFP) is to evaluate the impact of OSAP’s transformation on students’ and parents’ perceptions of postsecondary education (PSE) affordability.

The HEQCO invites proposals for a study that utilizes big data from social media sources to examine perceptions of PSE costs, student financial aid services and, specifically, the new policy changes affecting OSAP. The study can make use of sources for example, Twitter or Reddit, and employ data mining or machine learning techniques to perform sophisticated analyses of the data.
(review Research Questions at http://www.heqco.ca/en-ca/Research/Requests%20for%20Proposals/Pages/Home.aspx)

Value:
maximum $80,000

Application process:
The HEQCO deadline for questions or clarifications to the RFP is May 18, 2017. The application deadline is June 15, 2017.

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

Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA): 2017 OMAFRA New Directions Research Program, Call for Proposals – Northern Livestock

The focus of this Call for Proposals is on the expansion of livestock production in Northern Ontario with a particular focus on the Great Clay Belt, specifically along the Highway 11 North corridor between Cochrane and Hearst.

Research will pertain to the environment, economics, and social understanding to support sustainable livestock farms in the Great Clay Belt. Research priority areas are:

1) Barriers to Establishment of Livestock Farms in the Clay Belt;  
2) Changes in Soil Carbon and Greenhouse Gas Dynamics Through Land Conversion;  
3) Baseline Soil and Water Data and how Dynamics Change Through Land Conversion.

Consultation
The OMAFRA will host a pre-submission Consultation on May 25, 2017, 10:00am-12:00 pm, 1 Stone Road West, Guelph. Conference Centre Room 1. 
(review http://www.omafra.gov.on.ca/english/offices/ouroffices.html)

To register: Contact Tieghan Hunt (tieghan.hunt@ontario.ca) and indicate if you will join in-person or by webinar.

http://www.omafra.gov.on.ca/english/research/new_directions/ndresearchprogram.html

Value:
maximum $200,000 (includes a maximum of 25% indirect costs) up to 3 years

Application process:
The OMAFRA application deadline is July 12, 2017.

ROADS contact:
Miky (Mihaela) Dumitrescu, Senior Advisor, at dumitrm@mcmaster.ca or extension 21548
Social Sciences and Humanities Research Council (SSHRC): Connection Grants

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

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

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

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

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


**Webinar**

SSHRC offered webinars to provide information and answer questions regarding the Connection Grants.

**Webinar schedule**

- **English**: Tuesday, May 30, 2017, 1:00 - 3:00pm (eastern)
- **French**: Wednesday, May 31, 2017, 1:00-3:00pm (eastern)

If you have questions regarding the webinars, please contact:
Email: connection@sshrc-crsh.gc.ca
Tel.: 613-943-1007

**Value:**

**Event** funding: maximum $25,000 over 1 year (the minimum request required is $7,000)

**Outreach Activities** funding: maximum $50,000 over 1 year
SSHRC will not fund the full cost of any Connection event or outreach activity. Additional support in the form of cash and/or in kind contributions (excluding registration fees) equivalent to a minimum of 50% of the amount requested from SSHRC must come from other sources (e.g., sponsors). Applicants may draw on complementary funding from SSHRC research grants and/or other research funding agencies, however, must make clear in their budget proposal that there is no duplication of financial support for the same budget expenses. While SSHRC funds may be used in this complementary way, these funds cannot be counted towards the 50% requirement for matching funds.

Application process:
The SSHRC application deadline is **August 1, 2017**.

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

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

The DoD has recently announced the following BCRP award/grant opportunities:

1) **Era of Hope Scholar Award**, the objective: to support individuals early in their careers who have demonstrated significant potential to effect meaningful change in breast cancer (review Eligibility, Principal Investigator (PI), page 6 at [http://cdmrp.army.mil/funding/pa/FY17_BCRP_EOH_PA.pdf](http://cdmrp.army.mil/funding/pa/FY17_BCRP_EOH_PA.pdf)). The PIs should be 1) exceptionally talented scientists who have shown they are the “best and brightest” in their field(s) through extraordinary creativity, vision, innovation and productivity, 2) should have demonstrated experience in forming effective partnerships and collaborations, 3) should have exhibited strong potential for future leadership in breast cancer. (review Overarching Challenges, pages 3-4 at [http://cdmrp.army.mil/funding/pa/FY17_BCRP_EOH_PA.pdf](http://cdmrp.army.mil/funding/pa/FY17_BCRP_EOH_PA.pdf))

2) **Breakthrough Award Levels 1 and 2**, the objective: to support promising research that has high potential to lead to or make breakthroughs in breast cancer. The critical components of this award are impact and research scope.

**Scope of research projects, Funding Level 1**: Innovative, high-risk/high-reward research that is in the earliest stages of idea development with potential to yield new avenues of investigation. Proof of concept. No preliminary data required.

**Scope of research projects, Funding Level 2**: Research that is already supported by preliminary data and has potential to make significant advancements toward clinical translation. (review Overarching Challenges, pages 3-4 at [http://cdmrp.army.mil/funding/pa/FY17_BCRP_BTA_1_2_PA.pdf](http://cdmrp.army.mil/funding/pa/FY17_BCRP_BTA_1_2_PA.pdf))

3) **Breakthrough Award Levels 3 and 4**, the objective: to support promising research that has high potential to lead to or make breakthroughs in breast cancer. The critical components of this award are impact and research scope.

**Scope of research projects, Funding Level 3**: Advanced translational studies that have potential for near-term clinical investigation. Small-scale clinical trials may apply.

**Scope of research projects, Funding Level 4**: Large-scale projects that will transform and revolutionize the clinical management and/or prevention of breast cancer. Near-term clinical impact is expected. Human clinical testing is required. Principal Investigators are expected to have experience in successfully leading large-scale projects.
4) **Innovator Award**, the objective: to support 1) **visionary individuals** who have demonstrated exceptional creativity, innovative work and paradigm-shifting leadership in any field including, but not limited to, breast cancer, 2) novel, visionary, high-risk ideas that could accelerate progress to ending breast cancer. (review *Overarching Challenges*, pages 3-4 at http://cdmrp.army.mil/funding/pa/FY17_BCRP_INNOV_PA.pdf)

5) **Distinguished Investigator Award**, the objective: to enable established, visionary leaders from any field to pursue innovative ideas that could accelerate progress toward ending breast cancer. The Principal Investigators should be 1) exceptionally talented researchers who have shown they are leaders in their field(s) through extraordinary creativity, vision, and productivity, 2) should have a renowned reputation as a researcher who has made groundbreaking contributions to advancing his/her field, 3) should have demonstrated success at forming and leading effective partnerships and collaborations, 4) should demonstrate the potential to make unique and significant advances in breast cancer support. (review *Overarching Challenges*, pages 3-4 at http://cdmrp.army.mil/funding/pa/FY17_BCRP_DIA_PA.pdf)

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

**Value:**

1) **Era of Hope Scholar Award**: maximum, $2.5 million over 4 years;

2) **Breakthrough Award Levels 1 and 2:**
   - **Level 1**: maximum $600,000 over 3 years;
   - **Level 2**: maximum $750,000 over 3 years; **Level 2 with Partnering PI Option**: maximum $1 million over 3 years;

3) **Breakthrough Award Levels 3 and 4:**
   - **Level 3**: maximum $2.5 million over 4 years; **Level 3 with Partnering PI Option**: maximum $4 million over 4 years;
   - **Level 4**: maximum $10 million over 4 years;

4) **Innovator Award**: maximum 5 million over 4 years;

5) **Distinguished Investigator Award**: maximum 3 million over 4 years.

**Application process:**
The DoD pre-application deadline for the **Era of Hope Scholar Award** and the **Breakthrough Award Levels 1 and 2** is **June 8, 2017**.

The pre-application deadline for the **Breakthrough Award Levels 3 and 4, Innovator Award** and the **Distinguished Investigator Award** is **June 9, 2017**.

**ROADS contact:**
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581
Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY17 Amyotrophic Lateral Sclerosis Research Program (ALSRP): Awards

The DoD has recently announced the following ALSRP award/grant opportunities:

1) **Therapeutic Development Award**, the objective: to support innovative, preclinical research to promote the development of new treatments that may contribute to a cure for ALS. The award supports a wide range of development activities ranging from validation of therapeutic leads to U.S. Food and Drug Administration Investigational New Drug application submission (review [Examples of Activities](http://cdmrp.army.mil/funding/alsrp)) for Examples of Activities, pages 3-4 at http://cdmrp.army.mil/funding/pa/FY17_ALSRP_TDA_PA_GG.pdf. The proposed studies are expected to be empirical in nature and product-driven. Applications supported by this award must begin with lead compounds in hand.

2) **Therapeutic Idea Award**, the objective: to support innovative, preclinical research to promote the development of new treatments that may contribute to a cure for ALS. The award is designed to promote new ideas aimed at drug or treatment discovery that are still in the early stages of development. Development, modification, and/or validation of preclinical model systems, or the application of high-throughput screens to define or assess lead compounds for ALS treatment, are of interest. Parallel development of methods to measure either target binding or proximal downstream effects (target engagement), and the potential for undesirable activities at related but unintended targets (selectivity), are encouraged. (review [http://cdmrp.army.mil/funding/pa/FY17_ALSRP_TIA_PA_GG.pdf](http://cdmrp.army.mil/funding/pa/FY17_ALSRP_TIA_PA_GG.pdf))


**Value:**
1) **Therapeutic Development Award**: maximum $1 million over 2 years;
2) **Therapeutic Idea Award**: maximum $500,000 over 2 years.

**Application process:**
The DoD pre-application deadline is June 9, 2017.

**ROADS contact:**
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581

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Ontario Ministry of Education, Knowledge Network for Applied Education Research (KNAER): Call for Proposals – Learning and Leading for Equity Knowledge Network Phase 2

The objective of this Call is to identify a Network Host(s) and establish a knowledge network for promoting equity and inclusive education.

The [Learning and Leading for Equity Knowledge Network](http://www.knaer-recrae.ca/images/KNAER%20Learning%20and%20Leading%20for%20Equity.pdf) will 1) bring together diverse partner organizations to mobilize evidence from educational research and professional practice connected to diversity and equity, 2) facilitate the use of evidence-based practices for instruction to support improved educational achievement for racialized and marginalized students, 3) contribute to Ontario’s Equity and Inclusive Education Strategy in partnership with educators, researchers, and stakeholders across Ontario. (review, [http://www.knaer-recrae.ca/images/KNAER%20Learning%20and%20Leading%20for%20Equity.pdf](http://www.knaer-recrae.ca/images/KNAER%20Learning%20and%20Leading%20for%20Equity.pdf))
Information Session
May 9, 2017

The session will be virtual, will provide a background on the KNAER, and will walk through the components of the current Call. Participants will have the opportunity to ask questions and hear the questions and answers from others. Networking ‘space’ during the session will be offered. The “Connect Here” box on the KNAER website ([http://www.knaer-recrae.ca/call-for-proposals](http://www.knaer-recrae.ca/call-for-proposals)) will allow participants to meet others who are interested in being part of the Equity Knowledge Network and/or are looking for partners to join them on an application.

The session will be recorded and posted to the KNAER site for future reference. [http://www.knaer-recrae.ca/call-for-proposals](http://www.knaer-recrae.ca/call-for-proposals)

Value:
The Network will be funded at approximately $325,000 per fiscal year for an estimated total of $975,000 over 3 years. A minimum of $100,000 from this amount must be allocated for funding the activities of the communities of practice.

Application process:
The Ontario Education Research & Evaluation Strategy Branch application deadline is June 12, 2017.

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

Weston Brain Institute, Canada: Rapid Response 2017, Alzheimer’s and Related Diseases

The objective of the Rapid Response, Alzheimer’s and Related Diseases is to provide seed funding for novel, high-risk, high-reward, translational research ideas to catalyze the development of safe and effective treatments for neurodegenerative diseases of aging.

Focus, Alzheimer disease (AD) -related diseases: AD, Frontotemporal Dementia, Mild Cognitive Impairment, prodromes, and vascular contributions to the listed diseases

Projects must involve the development of a therapeutic and/or a tool to help accelerate the development of therapeutics for neurodegenerative diseases of aging.


Canada: Rapid Response 2017 (AD) Information Webinar
June 12, 2017 at 1:00-2:00pm EDT

Value:
maximum $200,000 over a maximum 18 months
Application process:
The Weston Brain Institute letter of intent deadline is **July 5, 2017**.

ROADS contact:
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581

Natural Sciences and Engineering Research Council of Canada (NSERC) – Upcoming Webinars

NSERC will be holding Community Engagement Webinars to provide researchers, students and other stakeholders an opportunity to connect with them to learn more about some recent program and policy developments. These webinars also serve as a platform for the community to ask questions and seek more information from some of NSERC's grants, partnerships and scholarships staff:

2017

<table>
<thead>
<tr>
<th>Session Language</th>
<th>Date</th>
<th>Time</th>
<th>Link</th>
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<tr>
<td>English</td>
<td>June 14</td>
<td>1 to 3 p.m. ET</td>
<td><a href="http://nsercofcanada.adobeconnect.com/engagement-webinar/">http://nsercofcanada.adobeconnect.com/engagement-webinar/</a></td>
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<td>1 877-413-4790</td>
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NSERC is also hosting webinars to assist the research community on “How to complete an application” using the Research Portal and the NSERC Canadian Common CV (CCV) for a number of NSERC funding programs:

**Discovery Grant – Submission of a Notification of Intent to Apply:**

<table>
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<tr>
<th>Session Language</th>
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**Discovery Grant – Submission of an Application:**

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<td>September 21</td>
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<tr>
<td>French</td>
<td>September 19</td>
<td>1 to 3 p.m. ET</td>
<td><a href="http://nsercofcanada.adobeconnect.com/presenter-une-demande/">http://nsercofcanada.adobeconnect.com/presenter-une-demande/</a></td>
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### Research Tools and Instruments – Submission of an application:

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### Subatomic Physics Discovery Grants Programs – Submission of a Notification of Intent to Apply:

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### Subatomic Physics Discovery Grants Programs – Submission of an Application:

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<td>French</td>
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### Mitacs: Globalink Research Internship

The objective of the *Globalink Research Internship* is to invite international undergraduates from Australia, Brazil, China, France, India, Germany, Mexico, Saudi Arabia, and Tunisia, to participate in research projects under the supervision of Canadian university faculty members in a variety of academic disciplines from science, engineering and mathematics to the humanities and social sciences.


**Value:**

There is no financial commitment required from the supervising professors.

Globalink Research Interns receive, free of charge:

- a) a matched project with a Canadian professor and university based on their research interests, skills and expertise;
- b) flight to Canada;
- c) transportation from the airport in Canada to accommodations;
- d) stipend for housing;
- e) health insurance;
- f) student enrolment fees;
g) stipend for food and incidentals;

h) support from student mentors on campus in Canada;

i) registration for industry events and professional development workshops;

j) Globalink Research Internship certificate of completion.

Interns are required to work 40 hours a week, five days a week, for 12 consecutive weeks from May to September.

**Application process:**
The Mitacs deadline for professors to submit projects is **June 14, 2017**.

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**Ontario Ministry of Research, Innovation and Science (MRIS): Early Researcher Awards (ERA) Round 13**

The objective of the **ERA** is to support promising recently-appointed Ontario researchers, from all disciplines, to build their research teams of undergraduates, graduate students, post-doctoral fellows, research assistants, associates and technicians.

All applicants must 1) have a strong history of peer-reviewed funding, 2) be able to demonstrate academic independence from previous supervisors, 3) demonstrate the benefits of their proposed research to Ontario. ([review Eligibility](https://www.ontario.ca/page/early-researcher-awards#section-1)]

Proposals are evaluated on the excellence of the researcher (40%), the quality of the research (30%), the development of research talent (20%), and the strategic value for Ontario (10%).

All applicants are required to meet with their Department Chair and Associate Dean Research to review their CV, and secure matching funds. Eligible sources of matching funds include:

a) cash contributions from your Department or Faculty;

b) university scholarships to undergraduates, graduate students and post-doctoral fellows;

c) private sector cash contributions;

d) public sector cash contributions that are not among the list of ineligible sources of matching funds.

**Ineligible** sources of matching funds include:

a) teaching assistantships;

b) start-up funds from the institution intended to assist newly-appointed faculty members launch their research careers;

c) awards administered by federal granting councils, for example, the Natural Sciences and Engineering Research Council (NSERC), Canadian Institutes of Health Research (CIHR), and the Social Sciences and Humanities Research Council (SSHRC);

d) specific purpose grants received from Ontario government ministries and agencies, and funds leveraged by such grants;

e) Ontario graduate scholarships;

f) Ontario graduate fellowships.
Value:
Each award is a maximum $100,000 over 5 years.

The funds may be used for salaries, benefits, and research-related travel and expenses for undergraduates, graduate students, post-doctoral fellows, research assistants, associates and technicians. In addition, up to $40,000 will be provided by the MRIS to the institution for indirect costs.

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

Application process:
Notify your Department Chair, Associate Dean Research, and copy Sherisse Webb, Assistant Director, Development, ROADS, at webbsh@mcmaster.ca by June 14, 2017.

MRIS requires that all applicants submit a Notice of Intent to Apply (NOI) and a signed matching funds letter through ROADS. The draft NOI and signed matching funds letter are due to ROADS by July 5, 2017.

The MRIS NOI deadline is July 7, 2017. The application deadline is September 5, 2017.

ROADS contact:
Sherisse Webb, Assistant Director, Development, ROADS, at webbsh@mcmaster.ca or 26946

Department of Defense (DoD), Congressionally Directed Medical Research Programs,
FY17 Ovarian Cancer Research Program (OCRP): Awards

The DoD has recently announced the following OCRP award/grant opportunities:

1) **Pilot Award**, the objective: to support the exploration of innovative concepts or theories in ovarian cancer that could ultimately lead to critical discoveries, or major advancements that will drive the field forward. The proposed research must demonstrate a clear focus on ovarian cancer (e.g., using tissues, cell lines, datasets, or appropriate animal models). (review Areas of Encouragement, page 3 at http://cdmrp.army.mil/funding/pa/FY17-OCRP-PA.pdf)

2) **Clinical Development Award**, the objective: to accelerate the clinical introduction of medical products and technologies that target ovarian cancer biology. Near-term clinical impact is expected. Proof of concept demonstrating the potential utility of the proposed product or a prototype/ preliminary version of the proposed product, should already be established. Small-scale clinical trials (Phase 0, Phase 1, Pilot), studies enriching a clinical trial, and projects related to or associated with ongoing or completed clinical trials, are allowed. Relevant data either published or unpublished that support the study rationale are required. (review Areas of Encouragement, page 3 at http://cdmrp.army.mil/funding/pa/FY17-OCRP-CDA.pdf)

3) **Investigator-Initiated Research Award**, the objective: to support high-impact research that has the potential to make an important contribution to ovarian cancer or patient/survivor care. Research projects may focus on any phase of research from basic laboratory research through translational research, excluding clinical trials. Applications must include preliminary data. (review Areas of Encouragement, page 3 at http://cdmrp.army.mil/funding/pa/FY17-OCRP-IIRA.pdf)
4) **Ovarian Cancer Academy Award – Early Career Investigator**, the objective: to develop successful, highly productive ovarian cancer researchers in a collaborative research, career development, and research training platform. This funding opportunity is soliciting additional Early-Career Investigators to join the existing Ovarian Cancer Academy that consists of Early-Career Investigators and their Designated Mentors from different institutions, and an Academy Dean and Assistant Dean. (review **Eligibility** and **Designated Mentor**, pages 6-7 at [http://cdmrp.army.mil/funding/pa/FY17-OCR-P-OCRA.pdf](http://cdmrp.army.mil/funding/pa/FY17-OCR-P-OCRA.pdf)) Ovarian cancer projects may be basic, translational, and/or clinical research (clinical trials are not allowed). Preliminary data is required.


**Value:**
1) **Pilot Award**: maximum $250,000 over 2 years;
2) **Clinical Development Award**: maximum $600,000 over 3 years; **Optional Early-Career Investigator**: an additional $200,000
3) **Investigator-Initiated Research Award**: maximum $450,000 over 3 years
4) **Ovarian Cancer Academy Award**: maximum $725,000 over 4 years (the maximum allowable funding for the Designated Mentor is $30,000 per year in direct costs).

**Application process:**
The DoD pre-application deadline for the **Pilot Award** is **June 14, 2017**. The pre-application deadline for the **Clinical Development Award, Investigator-Initiated Research Award** and the **Ovarian Cancer Academy Award** is **June 21, 2017**.

**ROADS contact:**
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581

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**Ontario Institute for Cancer Research (OICR), Cancer Therapeutics Innovation Pipeline (CTIP): Request for Applications, RFA-CTIP-1718-01**

The OICR has established the **CTIP** to capitalize on Ontario’s expertise in cancer biology and drug discovery.

The objective of the CTIP is to support the translation of Ontario discoveries into therapeutic assets with the potential for improving the lives of cancer patients. The CTIP will support projects that aim to provide increasing evidence of target validation using functional assays and drug screening in relevant *in vitro*, and *in vivo* models of the disease of interest.

The goal of the CTIP is to create a pipeline of validated cancer targets and novel, selective lead molecules (small molecules or biologics) that would attract partnerships and/or investment for further preclinical and clinical development.

CTIP will fund two types of Accelerator Projects:

1) **Early Accelerator Projects**, the focus: target identification/validation experiments and the generation of a validated, primary assay to enable initial screening.

2) **Late Accelerator Projects**, the focus: screening using validated primary and secondary assays, with the goal of generating confirmed Hit molecules.
3) **Incubator Projects**, the goal: to deliver high-quality Lead molecules (small and/or large molecules) with demonstrated *in vivo* efficacy, ideally accompanied by a pharmacodynamic biomarker that correlates with target modulation.


**Value:**
1) **Early Accelerator Projects**: maximum $100,000 for 1 year (most projects are expected to be completed within 6-9 months);
2) **Late Accelerator Projects**: maximum $250,000 per year for a maximum 2 years (most projects are expected to be completed in 15-18 months);
3) **Incubator Projects**: maximum $2 million over 2 years.

**Application process:**
The OICR registration deadline is **June 16, 2017**.

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

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Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY17 Multiple Sclerosis Research Program (MSRP): Awards

The DoD has recently announced the following MSRP award/grant opportunities:

1) **Investigator Initiated Research Award**, the objective: to support 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. (review *Focus Areas*, page 3 at http://cdmrp.army.mil/funding/pa/FY17-MSRP-IIRA.pdf)

2) **Exploration - Hypothesis Development Award**, the objective: to support the initial exploration of innovative, high-risk, high-gain and potentially groundbreaking concepts in the MS research field. Innovative research may examine a novel paradigm, challenge current paradigms, look at existing problems from novel perspectives, or exhibit other highly creative qualities. The proposed research project should include a well-formulated, testable hypothesis based on strong scientific rationale and study design. (review *Focus Areas*, pages 3-4 at http://cdmrp.army.mil/funding/pa/FY17-MSRP-EHDA.pdf)

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

**Value:**
1) **Investigator Initiated Research Award**: maximum $600,000 over 3 years
2) **Exploration - Hypothesis Development Award**: maximum $150,000 over 2 years

**Application process:**
The DoD pre-application deadline is **June 26, 2017**.
Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA): New Directions Research Program, Honey Bee Health

The objective of the New Directions Research Program is to stimulate the sustainable growth and competitiveness of Ontario's agri-food and agri-business sectors, address challenges, expand market opportunities at home and abroad, and support thriving rural communities.

Priorities for this program can shift annually. The focus of this call for proposals is on the health and productivity of honey bee colonies (stationary or migratory), in the following areas:

a) evaluating the efficacy of treatments for the control of pests and pathogens;
b) evaluating the resistance to pests and pathogens through breeding and genetics;
c) evaluating the effects of multiple pests and pathogens on honey bee health;
d) evaluating the relationship between pathogen presence and development of clinical disease, and/or significant colony damage.

http://www.omafra.gov.on.ca/english/research/new_directions/ndresearchprogram.html

Value:
maximum $200,000 (includes a maximum of 25% indirect costs) over a maximum 3 years

Application process:
This call for proposals follows a two-stage application process: the Letter of Intent and the full Application. The OMAFRA letter of intent deadline is June 28, 2017.

Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY17 Lung Cancer Research Program (LCRP): Awards

The DoD has recently announced the following (LCRP) award/grant opportunities:

1) Idea Development Award, the objective: to support 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 from lung cancer. (review Areas of Emphasis, page 3 at http://cdmrp.army.mil/funding/pa/FY17-LCRP-IDA.pdf). The Award encourages applications from independent investigators in the early stages of their careers (i.e., within 10 years of their first faculty appointment, or equivalent). Partnerships with investigators at military treatment facilities, military labs, and Department of Veterans Affairs medical centers and research laboratories, are strongly encouraged.
2) **Investigator Initiated Translational Research Award**, the objective: to support 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. (review *Areas of Emphasis*, pages 3-4, at [http://cdmrp.army.mil/funding/pa/FY17-LCRP-IITRA.pdf](http://cdmrp.army.mil/funding/pa/FY17-LCRP-IITRA.pdf))

3) **Translational Research Partnership Award**, the objective: to support partnerships between clinicians and research scientists that will accelerate the movement of promising ideas in lung cancer into clinical applications. The 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. (review *Areas of Emphasis*, page 3 at [http://cdmrp.army.mil/funding/pa/FY17-LCRP-TRPA.pdf](http://cdmrp.army.mil/funding/pa/FY17-LCRP-TRPA.pdf)) One partner in the collaboration is strongly encouraged to be an active duty Service member or Federal employee from a military treatment facility, Department of Defense laboratory, or a Department of Veterans Affairs medical center or research laboratory.

4) **Concept Award**, the objective: to support the exploration of a highly innovative new concept or untested theory that addresses an important problem relevant to lung cancer. The award supports high-risk studies that have the potential to reveal entirely new avenues for investigation. (review *Areas of Emphasis*, page 3 at [http://cdmrp.army.mil/funding/pa/FY17-LCRP-CA.pdf](http://cdmrp.army.mil/funding/pa/FY17-LCRP-CA.pdf)) Research completed through a Concept Award may generate sufficient preliminary data to enable the Principal Investigator to prepare an application for future research.

5) **Career Development Award**, the objective: to support early-career, independent investigators to conduct impactful research under the mentorship of an experienced lung cancer researcher. (review, *Principal Investigator and Mentor*, pages 7-8 at [http://cdmrp.army.mil/funding/pa/FY17-LCRP-CDA.pdf](http://cdmrp.army.mil/funding/pa/FY17-LCRP-CDA.pdf)) This award is intended to support impactful research projects with an emphasis on discovery. (review *Areas of Emphasis*, page 3 at [http://cdmrp.army.mil/funding/pa/FY17-LCRP-CDA.pdf](http://cdmrp.army.mil/funding/pa/FY17-LCRP-CDA.pdf)) Partnerships with investigators at military treatment facilities, military labs, and Department of Veterans Affairs medical centers and research laboratories are strongly encouraged.


**Value:**
1) **Idea Development Award**: maximum $350,000 over 2 years
2) **Investigator Initiated Translational Research Award**: maximum $400,000 over 2 years
3) **Translational Research Partnership Award**: maximum $900,000 over 3 years
4) **Concept Award**: maximum $100,000 over 1 year
5) **Career Development Award**: maximum $250,000 over 2 years

**Application process:**
The DoD pre-application deadline for the **Idea Development Award; Investigator Initiated Translational Research Award**, and the **Translational Research Partnership Award** is June 28, 2017.
The pre-application deadline for the **Concept Award** is July 27, 2017.
The pre-application deadline of the **Career Development Award** is September 13, 2017.

**ROADS contact:**
Cynthia Belaskie, Senior Advisor, at [belaski@mcmaster.ca](mailto:belaski@mcmaster.ca) or extension 21581
Statistics Canada: Biobank, Call for Research Proposals

The objective of this Call is to invite individuals and labs to apply for access to blood, urine, and DNA samples from the Canadian Health Measures Survey (CHMS) Biobank for use in health studies.

The biobank currently holds biospecimens collected from over 22,000 consenting Canadians between the ages of 3 to 79 years.

http://www.statcan.gc.ca/eng/help/microdata/biobank

Value:
Researchers submit a completed application form to use CHMS biospecimens.

Application process:
The Statistics Canada application deadline is June 30, 2017.

ROADS contact:
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581

Higher Education Quality Council of Ontario (HEQCO): HEQCO Access and Retention Consortium 2.0

The HEQCO is inviting colleges, universities and other education or community organizations to join the HEQCO Access and Retention Consortium (ARC). The ARC is a collection of educational organizations, whose main objective is to evaluate the use of interventions designed to improve access, retention and success into and through postsecondary education (PSE) for under-represented, or disengaged students.

The HEQCO is interested in answering the following question: What works in supporting under-represented and disengaged students to access and succeed in postsecondary education?

Priority will be given to projects that:

1) evaluate an existing tool, program or approach related to access or retention;
2) scale up interventions that have already been shown to work;
3) involve a partnership that may include colleges, universities, school boards, community and other education organizations;
4) focus on low income and/or Indigenous students;
5) focus on building skills that help students access and persist in PSE.

http://www.heqco.ca/en-ca/Research/Requests%20for%20Proposals/Pages/Home.aspx

Value:
Participation will be formalized with a contract that is acceptable to both parties.

Application process:
The HEQCO expression of interest deadline is June 30, 2017.
Human Toxicology Project Consortium, Call for proposals: Roadmaps to human biology-based disease research

The Humane Society International (HSI) and The Humane Society of the United States (HSUS) are offering grants to support the development and open-access publication of in-depth, independent review articles in discrete areas of human disease/biomedicine by health scientists with relevant expertise.

Each review should:

a) examine the state of the science in a specific area of human biomedicine, including current understanding of the underlying pathophysiological pathways and networks;
b) critically evaluate the human relevance, translational success and limitations of conventional research models;
c) offer concrete recommendations/roadmap for optimizing the funding and use of advanced, human-specific tools and approaches (pathway paradigm as an organizing framework, primary human cells/tissues, iPSC, organoids, bioengineering, computational systems biology modeling, etc.) in the disease area under discussion; and
d) be accepted for publication in a high-visibility, peer-reviewed journal.

The grant shall be used to 1) enable applicants to dedicate their time to the production of a high-quality review article within a relatively short 3-4 month timeframe, 2) cover the open-access article publishing charge.


Value:
$3,500 shall be payable upon completion of the review to the satisfaction of HSI/HSUS; $6,500 shall be payable upon acceptance for publication by an appropriate, open-access, peer-reviewed scientific journal agreed by HSI/HSUS.

Application process:
The Human Toxicology Project Consortium application deadline is June 30, 2017.

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

Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY17 Vision Research Program (VRP): Awards

The DoD has recently announced the following VRP award/grant opportunities:
1) **Technology/Therapeutic Development Award**, the objective: to provide support for the translation of promising preclinical findings into products for clinical applications including detection, diagnosis, treatment or quality of life. (review *Capability Gaps* and *Focus Areas*, pages 3-4 at [http://cdmrp.army.mil/funding/pa/FY17-VRP-TDA.pdf](http://cdmrp.army.mil/funding/pa/FY17-VRP-TDA.pdf)).

The product(s) to be developed may be a tangible item such as a pharmacologic agent (drugs or biologics), device, or a knowledge-based product. A **Knowledge Product** is a non-materiel product that addresses an identified need, is based on current evidence and research, aims to transition into medical practice, training, tools, or to support materiel solutions (systems to develop, acquire, provide, and sustain medical solutions and capabilities), and educates or impacts behavior throughout the continuum of care including primary prevention of negative outcomes.

A transition plan must be provided. At the end of this award's period of performance, research results should be sufficient to support an Investigational Device Exemption, Investigational New Drug, or continue to clinical trials (where applicable).

2) **Clinical Trial Award**, the objective: to support research with the potential to have a major impact on the treatment or management of visual injury and/or dysfunction. (review *Capability Gaps* and *Focus Areas*, pages 3-4 at [http://cdmrp.army.mil/funding/pa/FY17-VRP-CTA.pdf](http://cdmrp.army.mil/funding/pa/FY17-VRP-CTA.pdf)) At the end of the period of performance, funded research should show clear progress toward the next stage of implementation (i.e., next phase clinical trials, U.S. Food and Drug Administration [FDA] clearance for a medical device, etc.).


**Value:**
1) **Technology/Therapeutic Development Award**: $2.1 million over 3 years
2) **Clinical Trial Award**: $5.25 million over 4 years

**Application process:**
The DoD pre-application deadline is **July 12, 2017**.

**ROADS contact:**
Cynthia Belaskie, Senior Advisor, at [belaski@mcmaster.ca](mailto:belaski@mcmaster.ca) or extension 21581

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**Department of Defense (DoD), Congressionally Directed Medical Research Programs, FY17 Bone Marrow Failure Research Program (BMFRP): Awards**

The DoD has recently announced the following BMFRP award/grant opportunity:

**Idea Development Award**, the objective: to support innovative ideas and high-impact approaches, based on scientifically sound evidence, to move toward the BMFRP vision of understanding and curing BMF diseases.

This award is designed to support new ideas. Proposed research studies should have a high probability of revealing new avenues of investigation. The research project should include a well-formulated, testable hypothesis based on strong scientific rationale. (review [http://cdmrp.army.mil/funding/pa/FY17-BMFRP-IDA.pdf](http://cdmrp.army.mil/funding/pa/FY17-BMFRP-IDA.pdf))
http://cdmrp.army.mil/funding/bmfrp

Value:
maximum $315,000 over 2 years

Application process:
The DoD pre-application deadline is July 13, 2017.

ROADS contact:
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581

Hamilton Community Foundation: Grants

The Hamilton Community Foundation has announced the following grant opportunities:

1) The Dougher Community Fund, the objective: to support and enhance services and facilities offered in the area formerly known as the Town of Dundas.
http://hamiltoncommunityfoundation.ca/grants/grant/dougher-community-fund/

2) The McCallum, McBride Fund, the objective: to support environmental protection, projects that assist women’s shelters and hostels.
http://hamiltoncommunityfoundation.ca/grants/grant/mccallum-mcbride-fund/

Value:
The Dougher Community Fund: applicants are required to submit a project budget (review http://hamiltoncommunityfoundation.ca/wp-content/uploads/2016/10/Dougher-Community-Fund-2016-17-grants.pdf);
The McCallum, McBride Fund: applicants are required to submit a budget.

Application process:
The Dougher Community Fund: application deadline July 14, 2017;

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

Escher Fund for Autism, Germline-Borne Etiology of Autism and Dysregulated Neurodevelopment: The Question of Early Gamete Exposure to General Anesthesia

The Escher Fund for Autism is devoted to piloting novel research into the germline-based etiology of autism spectrum disorders and related pathologies of early neurodevelopment.

The objective of this call for proposals involves investigation of three variables: 1) High-dose exposures to substances with demonstrated adverse genomic, epigenomic and/or other germline effects (eg, tobacco and certain drugs, including synthetic hormones); 2) During critical windows of germline development and reprogramming (mainly but not exclusively fetal germline, or primordial germ cells); 3) Adverse
neurodevelopmental outcomes in the progeny of the toxicant-exposed germ cells, including but not limited to autism spectrum disorders.

The call concerns the hypothesis that early germline exposure to general anesthetic agents can raise the risk for heritable, gamete-borne, neurotoxicity in the following generation, via any number of potential molecular mechanisms, including those noted above.

http://www.germlineexposures.org/grants.html

**Value:**
maximum $25,000

**Application process:**
The Escher Fund for Autism letter of interest deadline is **July 31, 2017**.

**ROADS contact:**
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581

**Harry Frank Guggenheim Foundation: Research Grants**

The objective of the *Research Grant* is to support proposals from any of the natural and social sciences and the humanities that promise to increase understanding of the causes, manifestations, and control of violence and aggression in relation to social change, intergroup conflict, war, terrorism, crime, and family relationships.

Highest priority is given to research that can increase understanding and amelioration of urgent problems of violence and aggression in the modern world. Priority will also be given to areas and methodologies not receiving adequate attention and support from other funding sources. (review *Research Priorities* at [http://hfg.org/rp/introduction.htm](http://hfg.org/rp/introduction.htm))

http://hfg.org/rg/guidelines.htm

**Value:**
between $15,000 to $40,000 per year for periods of 1 or 2 years

**Application process:**
The Harry Frank Guggenheim Foundation application deadline is **August 1, 2017**.

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

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

Spencer has announced two funding opportunities: *Small Research Grants* and *The New Civics*.

The objective of the *Small Research Grant* is to support academic work that will contribute to the improvement of education, broadly conceived.

**Areas of Inquiry:** The Relation between Education and Social Opportunity; Teaching, Learning, and Instructional Resources; Organizational Learning in Schools, School Systems, and Higher Education Systems;
The objective of *The New Civics* is to support proposals that ask critical questions, specifically, how education can more effectively contribute to the civic development of young people. The New Civics has supported projects that 1) deepen the understanding of educational and other influences on civic action, 2) attend to social inequalities in civic education, 3) show potential to shape future research and practice in these fields. 

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

Application process:
The Spencer application deadline is **August 1, 2017 (and November 1, 2017; February 1, 2018)**.

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

**William T. Grant Foundation: Research Grants**

The objective of the *Research Grant* is to support research that builds stronger theory and empirical evidence in focus areas:

a) programs, policies and practices that reduce inequality in youth outcomes; and
d) strategies to improve the use of research evidence in ways that benefit youth.

The following Research Grants are being offered:

- **research grants - reducing inequality**;
- **research grants - improving the use of research**;
- **Officers’ Research Grants** - for stand-alone projects that fit the Foundation’s research focus areas or build off of larger projects.

Projects involving secondary data analysis are at the lower end of the budget range, whereas projects involving new data collection and sample recruitment can be at the higher end. Proposals to launch experiments in which settings (e.g., classrooms, schools, youth programs) are randomly assigned to conditions, sometimes have higher awards.

Value:
- **research grants - reducing inequality**: between $100,000 and $600,000 and cover 2 to 3 years of support
- **research grants - improving the use of research**: between $100,000 and $1,000,000 and cover 2 to 4 years of support
- **Officers’ Research Grants**: up to $25,000

Application process:
The William T. Grant Foundation letter of inquiry deadline is **August 2, 2017**.
**Tinker Foundation Incorporated: Institutional Grants**

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

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

a) **Democratic Governance** (review [http://www.tinker.org/content/democratic-governance](http://www.tinker.org/content/democratic-governance))

b) **Education** (review [http://www.tinker.org/content/education](http://www.tinker.org/content/education))

c) **Sustainable Resource Management** (review [http://www.tinker.org/content/sustainable-resource-management](http://www.tinker.org/content/sustainable-resource-management))

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

The Foundation encourages collaboration among organizations in the United States and Latin America, and prefers to fund those institutions that are actively engaged with external stakeholders in addressing an issue of concern. Funding for general support may be considered on a limited basis.

[http://www.tinker.org/content/institutional-grants](http://www.tinker.org/content/institutional-grants)

**Value:**

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

**Application process:**

The Tinker Foundation Incorporated letter of inquiry deadline is **August 21, 2017** (review [http://www.tinker.org/content/letter-inquiry](http://www.tinker.org/content/letter-inquiry)). The application deadline is **September 15, 2017**.

**ROADS contact:**

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

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**Conserver Society of Hamilton and District Inc. (the “Conserver Society”): Ed Smee Fund**

The objective of the **Ed Smee Fund** is to support community groups for small projects focused on education, research, or advocacy aimed at protecting the natural environment in Hamilton and Burlington.

The Conserver Society’s activities include education and outreach on:

a) conserving energy and other resources;

b) sustainability and biological diversity;

c) reduction of toxic chemicals in air, land and water;

d) participation in neighbourhood decision making;
e) aid for others in achieving goals sympathetic with those of the Conserver Society (review http://conserversociety.ca/).

The Conserver Society encourage initiatives that meet the following criteria:

a) has a defined timeframe;
b) has the potential to effect change;
c) is innovative;
d) is a concern of a definable community;
e) is receiving, or applying for, funding from other sources (if appropriate).

Applicants are asked to send an email briefly describing their project to ascertain its eligibility for a grant (maximum 350 words).

http://conserversociety.ca/funds/ed-smee-fund/

**Value:**
maximum $3,000

**Application process:**
The Conserver Society notice-of-interest deadline is **August 30, 2017**.

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

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**The John Templeton Foundation: Small and Large Grant Program**

The objective of the **Small and Large Grant Program** is to support the power of the sciences and other discovery-oriented disciplines to advance our understanding of the **Big Questions** (review **Our Vision** at https://www.templeton.org/about/vision-mission-impact). The Core Funding Areas include:

a) Science & The Big Questions;
b) Exceptional Cognitive Talent & Genius;
c) Genetics;
d) Voluntary Family Planning;
e) Character Virtue Development;
f) Individual Freedom & Free Markets.

https://www.templeton.org/funding-areas

**Value:**
- **Small Grants** are defined as requests for $217,400 USD, or less.
- **Large Grants** are defined as requests for more than $217,400.

**Application process:**
The John Templeton Foundation online funding inquiry deadline is **August 31, 2017**.

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

The objective of the YINI is to support a range of projects focused on yogurt science.

This year the Call is targeting “the health effects associated with yogurt consumption”. Research focused in the following areas are particularly encouraged:

a) mechanism of action;
b) biological effects of yogurt live ferments and fermentation products;
c) impact of yogurt consumption on gut microbiota

d) in adults and/or children.


Value:
$30,000 will support one application over a maximum 2 years

Application process:
The YINI application deadline is August 31, 2017.

ROADS contact:
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581

Hamilton Community Foundation: Edith H. Turner Foundation Fund

The objective of the Edith H. Turner Foundation Fund is to assist and provide funds in the fields of education, health, humanities and social development in Hamilton. (review Priorities & Criteria at http://hamiltoncommunityfoundation.ca/grants/grant/1501-2/).

Value:
Applicants submit a project budget and timeframe.

Application process:
The Hamilton Community Foundation application deadline is September 8, 2017.

ROADS contact:
Leanna Fong, Senior Advisor, at fongl@mcmaster.ca or extension 21583
William T. Grant Foundation: Institutional Challenge Grant

The objective of the Institutional Challenge Grant is to encourage research institutions to build sustained research-practice partnerships with public agencies or non-profit organizations, in order to reduce inequality in youth outcomes. Applications are welcome from partnerships in youth-serving areas such as education, justice, child welfare, mental health, immigration, and workforce development.

The Foundation encourages proposals from teams with African American, Latino, Native American, and Asian American members in leadership roles.

http://wtgrantfoundation.org/grants/institutional-challenge-grant

Value:
$650,000 over 3 years
The award may be renewable for an additional two-year term.

The grant will provide:
- up to $60,000 for 6-12 months of joint planning activities (e.g., refining protocols for partnering, selecting fellows, finalizing partnership agreements, etc.);
- Fellowship support for the equivalent of one full-time or two half-time fellows per year, for 2 years (in addition, the research institution must contribute the equivalent of one full-time or two half-time fellows for the equivalent of a 1 year, full-time term);
- up to 3 years of support for the partnership to conduct research to reduce inequality in youth outcomes;
- resources to develop the capacities of both partners;
- indirect cost allowance of up to 15% of total direct costs.


Application process:
The William T. Grant Foundation application deadline is September 12, 2017.

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

Wabash Center: Project Grants

The objective of the Project Grant is to support activities that enhance teaching and learning in the fields of religion and theology.

Projects that 1) promote a sustained conversation regarding pedagogy through the improvement of practical applications of teaching and learning methods, 2) encourage research and study of pedagogical issues, 3) create a supportive environment for teaching, are all eligible. (review Activities Funded at http://www.wabashcenter.wabash.edu/grants/default.aspx)

The following is available:
Large Project Grants (review http://www.wabashcenter.wabash.edu/grants/howtoapply.aspx)
Value:

**Small Project Grants**: up to $5,000

**Large Project Grants**: up to $30,000

Application process:
The Wabash Centre application deadline for Small Project Grants is **any time** during the year. The deadline for Large Project Grants is **October 3, 2017** (and **March 1, 2018**).

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

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The Michael J. Fox Foundation (MJFF): Core Funding Programs

The MJFF seeks to accelerate the best ideas in Parkinson's disease (PD) research toward clinical testing and practical relevance for patients. The following **Core Funding Programs** are available:

a) **Target Advancement Program**, the objective: to support research characterizing promising, novel PD-relevant targets, or continuing target biology work on established PD targets. Preferred targets for this program already demonstrate links to PD in human patient populations. The support is well-suited to projects where hypothetical or experimental rationale for a target is compelling but limited, and study results can make the case for continuing (or discontinuing) a line of research. [https://www.michaeljfox.org/research/grant-detail.php?id=27](https://www.michaeljfox.org/research/grant-detail.php?id=27)

b) **Therapeutic Pipeline Program**, the objective: to support PD therapeutic development along the pre-clinical and clinical path (both drug and non-pharmacological therapeutics, including gene therapy, biological, surgical and non-invasive approaches). The Foundation seeks applications with potential for fundamentally altering disease course and/or significantly improving treatment of symptoms above and beyond current standards of care. [https://www.michaeljfox.org/research/grant-detail.php?id=28](https://www.michaeljfox.org/research/grant-detail.php?id=28)

c) **Improved Biomarkers and Clinical Outcome Measures Program**, the objective: to support research that will develop biomarker tools and clinical outcome measures to assist in target validation for therapeutic development, and ultimately inform clinical trial design, execution and interpretation of results. The Foundation will prioritize biomarker development around the following high priority biological pathways: Inflammation; Mitochondrial function; Protein handling. [https://www.michaeljfox.org/research/grant-detail.php?id=29](https://www.michaeljfox.org/research/grant-detail.php?id=29)

Value:

**Target Advancement Program**: $100,000 for 1 year

**Therapeutic Pipeline Program**: Pre-Clinical: $200,000-$400,000 appropriate to the stage of research; Clinical: commensurable with the stage and goals

**Improved Biomarkers and Clinical Outcome Measures Program**: The Foundation will support multiple projects and may fund up to $4 million for this program. There is no set budget limit for proposals.

Application process:
The MJFF pre-proposal deadline is **October 19, 2017**.
**ROADS contact:**  
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581

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

The objective of the *Post-Ph.D. Research Grant* is to support basic research in anthropology that furthers our understanding of humanity's cultural and biological origins, development, and variation. (review **Eligibility** at [http://www.wennergren.org/programs/post-phd-research-grants/eligibility](http://www.wennergren.org/programs/post-phd-research-grants/eligibility))

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

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

**Application process:**  
The Wenner-Gren Foundation application deadline is **November 1, 2017**.

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

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

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

The **Open Call** is now accepting workshop proposals from any field of humanities, engineering, social, natural, or biomedical sciences. Topics that are timely in the context of world events, high-risk, or which have strong potential for advancement or refinement through a collaborative and interdisciplinary approach, are encouraged.

At least one researcher must be based in Canada. Other participants are expected to be geographically diverse.

[https://www.cifar.ca/assets/researchworkshops/](https://www.cifar.ca/assets/researchworkshops/)

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

**Application process:**  
The CIFAR will accept applications on a **rolling basis**.
Simons Foundation, Simons Foundation Autism Research Initiative (SFARI): SFARI Explorer Award

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

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

Value:
maximum $70,000 for 1 year

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

ROADS contact:
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581

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

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

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

Value:
There is no recommended funding limit. Expenses for experiments, equipment, computations, personnel and travel are allowable. The grant provides funding for up to 5 years.

Application process:
Letters of Intent are considered on a rolling basis with a response time within 2 months.

ROADS contact:
Cynthia Belaskie, Senior Advisor, at belaski@mcmaster.ca or extension 21581