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**The Institute of Infection and Immunity** provides national leadership and creates programs that promote innovative research aimed at reducing the global burden of infectious diseases and disorders of the immune system.

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## Message from the Scientific Director



Summer is coming to an end and I hope that you have had time to rest for starting the new academic year.

The last several months have been busy. We were able to launch a funding opportunity on the Zika virus and results should be announced shortly. We will give the opportunity to the successful Canadian teams to connect with other international teams in a meeting that will take place at the University of Sao Paulo (Brazil) in November. This capacity of linkages was made possible through the Institute's participation in [GloPID-R](#), an international network of funders aiming at coordinating research efforts during epidemics. Along the same line of thought, the Institute is part

of a group of funders ([JPIAMR](#)) supporting research on antimicrobial resistance (AMR) which led to a recent call on transmission dynamics to which Canadian investigators have applied in great numbers. Results should be known soon. AMR is a very busy file with the [Federal Framework](#) and [Action Plan](#) in place as well as a new dedicated envelope (\$2M/year) that was added to address this national priority. Our first initiative within this envelope is for point of care diagnostics (see p. 3).

We made considerable consultation on the HIV file with an initiative on community-based research (see p. 4) and soon we should be able to announce an initiative on HIV vaccine. Vaccination has been a priority for the Institute and a new funding opportunity on access and uptake is now active (see p.3). Considerable consultations have already taken place within the broad area of human immunology and we are hopeful that, in the coming months, we can launch an initiative in the field of Human Immunology. This summer, CIHR made pub-

lic the results of the Foundation Grant and Project Grant. I would like to offer my most sincere congratulations to the recipients of grants. Also, I do understand the disappointment of investigators who did not succeed. I hope that the next competition (see p. 6) will lead to a more favourable outcome. Peer reviewing has also been discussed abundantly this summer and changes have been made (see p. 8). I wish to thank the members of the community and CIHR staff who invested considerable time this summer to arrive with this newer version of peer-reviewing.

As always, the Institute is happy to hear about your research or questions you may have, so please do not hesitate to contact us.

All the best for a productive fall.

Marc Ouellette

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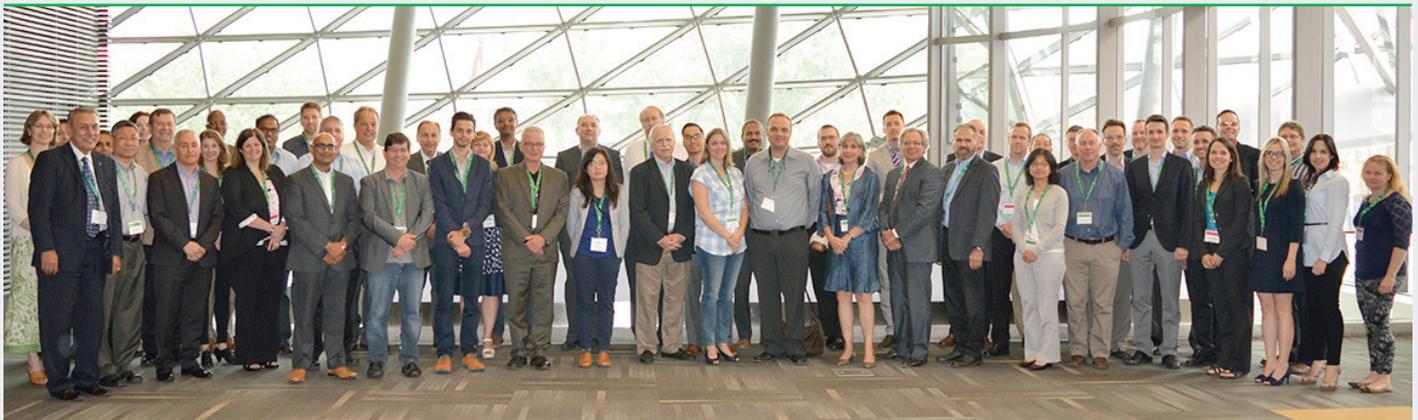
<http://www.cihr-irsc.gc.ca>

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## CIHR workshop brings together researchers and industry to join in fight against «superbugs»

On June 21 and 22, the CIHR Institute of Infection and Immunity hosted a workshop in Ottawa that brought together health researchers, as well as representatives of the pharmaceutical and health care industries and government, to tackle a growing public health threat: antimicrobial resistance (AMR). The emergence of “superbugs” poses significant risks to public

health. AMR research is a priority for CIHR with several program and activities. Our latest focus pertains to a new funding opportunity (and matching support from industry) for developing new tests to rapidly and accurately diagnose antimicrobial resistance. [Read more](#)



## AIDS2016

The 21<sup>st</sup> International AIDS Conference (AIDS 2016) was held in Durban, South Africa from the July 18 to 22, 2016 with over 15,000 delegates from around the world in attendance. Minister Philpott met with Canadian research trainees at the Canada Pavilion, *Canada: Meeting the Challenge*.



## Operating grant: Improved Immunization Coverage

In its 2016 Budget, the Government of Canada committed “to improve Canada’s ability to identify under- and un-immunized Canadians, and develop a focused program to improve vaccine access and uptake.” The purpose of this [funding opportunity](#) is therefore to support research to identify under- and un-immunized populations, and the socio-structural barriers associated with lower immunization access and uptake, in the Canadian population with a particular focus on the immunization of children and women of reproductive age.

### Objectives

1. To support research to:
  - a. Identify sub-population groups where children and youth, and/or women of reproductive age are under or un-immunized in Canada and characterize their socio demographic status.
  - b. Characterize the extent of under and un-immunization among identified sub-populations.
  - c. Determine the systemic barriers negatively impacting immunization access and uptake.
2. Inform solutions to improve methods for ongoing monitoring of immunization coverage of under- and un-immunized populations in Canada.
3. Facilitate the consideration of new evidence in decision-making to improve vaccination access and uptake.

### Important dates

Application Deadline: 2016-12-06  
Anticipated Notice of Decision: 2017-03-15  
Funding Start Date: 2017-02-01

For more information on this funding opportunity, please click [here](#).

### Contact information

For all inquiries please contact:

CIHR Contact Center  
Telephone: 613-954-1968  
Toll Free: 1-888-603-4178  
Email: [support@cihr-irsc.gc.ca](mailto:support@cihr-irsc.gc.ca)



## Operating Grant: Antimicrobial Resistance: Point of Care Diagnostics in Human Health - Phase 1

The goal of the funding opportunity [Antimicrobial Resistance: Point of Care Diagnostics in Human Health - Phase 1](#) is to advance innovative Point of Care Diagnostics in Human Health that distinguish bacterial from viral infections or identify at least one of the AMR priority pathogens to a stage where they are ready for scale-up and, when appropriate, commercialize and implement. This funding opportunity will support projects led by academic researchers in collaboration with industry. Partners must have a demonstrable ability to further the proposed research project and

move it through the innovation pipeline towards commercialization and/or implementation in a health care setting for the benefit of patients.

### Objectives

- Support the development and/or the evaluation and/or the implementation of point-of-care diagnostic tools to distinguish bacterial from viral infections or to develop and/or evaluate and/or implement tests for at least one specific AMR priority pathogens. These tests should be easy to perform

and provide a rapid answer (for viral/bacterial discrimination or for specific priority pathogens). It is hoped that they will allow a more rational use of antibiotics.

- Foster multidisciplinary collaborations (e.g. between health researchers, natural science researchers and engineering researchers as well as clinicians).
- Provide the opportunity to determine the potential for commercial viability and other opportunities for use of point-of-care technology and related knowledge in AMR.

**Important dates**

Application Deadline: 2016-11-08  
 Anticipated Notice of Decision: 2017-02-28  
 Funding Start Date: 2017-01-01

**For more information on this funding opportunity, please click [here](#).**

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## Operating Grant : HIV/AIDS Community-Based Research (2016-2017)

The CIHR HIV/AIDS Community-Based Research (CBR) Program supports the partnered work of Community Leaders and Researchers in knowledge development and capacity-building initiatives of relevance to communities engaged in the fight against HIV/AIDS. All opportunities offered through the CBR Program are available in two distinct funding streams: Indigenous and General.

The aim of the [Operating Grant component of the CBR program](#) is to contribute to the creation, dissemination and use of health-related knowledge, and to help develop research capacity, by supporting original, high quality projects proposed and conducted in partnership between the community and academia. Funding is provided for up to three years, to support HIV/AIDS CBR research projects.

**Objectives**

- Promote the creation of new knowledge that is relevant to communities affected by HIV in Canada and to the goals of the Federal Initiative;
- Promote the dissemination of new knowledge and uptake of evidence into action to enhance the community response to the HIV/AIDS epidemic;

- Develop partnerships between researchers and affected communities;
- Build capacity in the knowledge user community to engage in research and use evidence in their everyday business; and
- Build the next generation of HIV/AIDS CBR researchers through meaningful engagement of trainees in high quality CBR projects.
- To reduce the incidence of new infections in high risk groups by focusing research on prevention efforts.

**Important Dates**

Application Deadline: 2016-10-04  
 Anticipated Notice of Decision: 2017-02-28  
 Funding Start Date: 2017-04-01

**For more information on this funding opportunity, please click [here](#)**

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## Launch of the Pathways - Population Health Intervention Research (PHIR) 2016 Funding Opportunity

CIHR is pleased to announce the launch of the [Pathways - Population Health Intervention Research \(PHIR\) 2016 Funding Opportunity](#).

Application deadline: November 15, 2016

The purpose of this funding opportunity is to support New Investigators to conduct research on timely interventions (e.g. programs, policies, social enterprises and resource distribution approaches) that have been initiated by others (e.g., policy makers, practitioners,

communities). These interventions must have the potential to impact First Nations, Inuit and Métis health and health equity at the population level, and address one or more of the four identified exemplar areas (Suicide prevention, Obesity/Diabetes, Tuberculosis and Oral Health).

For information about eligibility and how to apply, please visit [ResearchNet](#).

## Funding from external sources

### [JDRC CCTN and the WB Family Foundation - Translational Program To A Cure Awards](#)

[JDRC](#) Canadian Clinical Trial Network ([JDRC CCTN](#)) is a platform that has been established for clinical research to test new treatments and technologies for type 1 diabetes (T1D). JDRC CCTN is pleased to announce a gift of \$3.5 million from the WB Family Foundation ([WBFF](#)) that is intended to support additional research opportunities in Canada to focus efforts aimed at curing T1D.

#### Important dates

Letter of Intent: Sep 15, 2016  
Application: Dec 08, 2016  
Award Notification: Feb 28, 2017  
Earliest Start: Mar 31, 2017

#### Program Contacts

Please direct any scientific inquiries regarding this funding opportunity to :  
David Alleva, Ph.D.  
Email: [dalleva@jdrf.org](mailto:dalleva@jdrf.org)  
Tel: 212-479-7547

Dr. Bob Goldstein  
Email: [gold@jdrf.ca](mailto:gold@jdrf.ca)  
Tel: 301-651-1898

Please direct any administrative inquiries to Suvina Amin at [samin@jdrf.ca](mailto:samin@jdrf.ca).

## Advanced Course of Vaccinology

This [course](#) is organized by Fondation Mérieux and Université de Genève and aims to facilitate critical decision-making in vaccinology by providing participants with a comprehensive overview of the field, from immunology to vaccine development and clinical trials and the social, economic, political and ethical issues of vaccination.

**Application deadline is November 15<sup>th</sup>, 2016**

For more information on the course content and how to apply, please contact [Katia Mielczarek](#) at Fondation Mérieux.

The CIHR Institute of Infection and Immunity will help defray part of the transportation cost and tuition fee for a maximum of \$3,500 CAD per selected Canadian participants from the academic sector, for up to three participants. The Canadian applicants need to provide information regarding the financial source to cover the total cost for tuition and travel.

For more information regarding Canadian applicants, please contact [Serge Desnoyers](#), Assistant Director, CIHR Institute of Infection and Immunity.

## Funding opportunities

*In the event of a discrepancy between the information provided here and the information on [ResearchNet](#), the latter shall prevail.*

### [Foundation Grant: 2016](#)

Registration Deadline: 2016-09-13  
 Application Deadline - Stage 1: 2016-10-13  
 Anticipated Notice of Decision - Stage 1: 2017-02-02  
 Application Deadline - Stage 2: 2017-03-14  
 Anticipated Notice of Decision - Final Assessment Stage: 2017-08-03  
 Funding Start Date: 2017-07-01

### [Project Grant: Fall 2016](#)

Registration Deadline: 2016-09-20  
 Application Deadline: 2016-10-18  
 Anticipated Notice of Decision: 2017-05-15  
 Funding Start Date: 2017-04-01

### **Of particular interest for the III community**

#### [Operating grant: Improved Immunization coverage](#)

Application Deadline: 2016-12-06  
 Anticipated Notice of Decision: 2017-03-15  
 Funding Start Date: 2017-02-01

#### [Operating Grant: Antimicrobial Resistance: Point of Care Diagnostics in Human Health](#)

Application Deadline: 2016-11-08  
 Anticipated Notice of Decision: 2017-02-28  
 Funding Start Date: 2017-01-01

#### [Operating Grant: HIV/AIDS Community-Based Research \(2016-2017\)](#)

Application Deadline: 2016-10-04  
 Anticipated Notice of Decision: 2017-02-28  
 Funding Start Date: 2017-04-01

#### [Personalized Medicine in Inflammation Network](#)

*For those with successful LOI*  
 Application Deadline: 2016-10-18  
 Anticipated Notice of Decision: 2017-01-31  
 Funding Start Date: 2017-02-01

### **Of general interest for the III community**

#### [Catalyst Grant: SPOR Innovative Clinical Trials](#)

Application Deadline: 2016-09-27  
 Anticipated Notice of Decision: 2017-03-31  
 Funding Start Date: 2017-03-01

#### [Catalyst Grant: Work Stress and Wellbeing Hackathon](#)

Application Deadline: 2016-10-18  
 Anticipated Notice of Decision: 2017-03-31  
 Funding Start Date: 2017-04-01

#### [Chair: GlaxoSmithKline Partnered 2015-2016](#)

Application Deadline: 2017-04-28  
 Funding Start Date: 2017-07-01

#### [Clinician-Scientist Salary Award: 2016-2017](#)

Application Deadline: 2016-10-04  
 Anticipated Notice of Decision: 2017-02-28  
 Funding Start Date: 2017-04-01

#### [Doctoral Research Award: 2016-2017](#)

and

#### [Doctoral Research Award: Fall 2016 Priority Announcement \(Specific Research Areas\)](#)

Application Deadline: 2016-10-04  
 Anticipated Notice of Decision: 2017-04-14  
 Funding Start Date: 2017-05-01

#### [Doctoral Research Award: Vanier Canada Graduate Scholarships \(2016-2017\)](#)

Application Deadline: 2016-11-02  
 Anticipated Notice of Decision: 2017-03-30  
 Funding Start Date: 2017-05-01

#### [Fellowship: 2016-2017](#)

and

#### [Fellowship: Fall 2016 Priority Announcement \(Specific Research Areas\)](#)

Application Deadline: 2016-11-01  
 Anticipated Notice of Decision: 2017-04-28  
 Funding Start Date: 2017-04-01

#### [Fellowship: Banting Postdoctoral Fellowships Program \(2016-2017\)](#)

Application Deadline: 2016-09-21  
 Anticipated Notice of Decision: 2017-02-02  
 Funding Start Date: 2017-04-01

#### [Operating Grant: Analyses of Existing Canadian Cohorts & Databases](#)

Registration Deadline: 2016-09-13  
 Application Deadline: 2016-09-27  
 Anticipated Notice of Decision: 2017-03-15  
 Funding Start Date: 2017-03-01

#### [Operating Grant: Collaborative Health Research Projects \(NSERC Partnered\) \(2016-2017\)](#)

*For those with successful LOI*  
 Application Deadline: 2016-10-18  
 Anticipated Notice of Decision: 2017-03-28  
 Funding Start Date: 2017-04-01

#### [Operating Grant: SPOR Innovative Clinical Trial Multi-Year Grant](#)

Application Deadline: 2016-10-25  
 Anticipated Notice of Decision: 2017-03-31  
 Funding Start Date: 2017-03-01

## Funding opportunities (continued)

### [Best Brains Exchange Travel Awards \(2016-2017\)](#)

#### [Canada Graduate Scholarships – Michael Smith Foreign Study Supplement \(2016-2017\)](#)

Application Deadline: 2016-10-11  
Anticipated Notice of Decision: 2016-12-09  
Funding Start Date: 2016-10-01

#### [SPOR Mentorship Chair in Innovative Clinical Trials](#)

Application Deadline: 2016-11-15  
Anticipated Notice of Decision: 2017-03-31  
Funding Start Date: 2017-03-01

#### [Prize: IHDCYH Talks \(2016\)](#)

Application Deadline: 2016-10-18  
Anticipated Notice of Decision: 2017-01-18  
Funding Start Date: 2017-01-01

#### [Team Grant: Pathways Implementation Research Team – Component 2 \(2016\)](#)

*For those with successful LOI*  
Application Deadline: 2016-10-04  
Anticipated Notice of Decision: 2017-02-15  
Funding Start Date: 2017-01-01

#### [Team Grant: Perinatal Health Care System Improvement](#)

Application Deadline: 2016-10-18  
Anticipated Notice of Decision: 2017-01-18  
Funding Start Date: 2017-01-01

#### [Operating Grant : Population Health Intervention Research](#)

Application Deadline: 2016-11-15  
Anticipated Notice of Decision: 2017-03-28  
Funding Start Date: 2017-03-01

#### [Training Grant: Indigenous Mentorship Network Program](#)

*For those with successful LOI*  
Application Deadline: 2016-12-06  
Anticipated Notice of Decision: 2017-02-28  
Funding Start Date: 2017-01-01

## Call for proposals: Organization for the Study of Sex Differences 2017 Meeting

Have you discovered sex differences in your research?

Don't miss this opportunity to share your findings with the international research community.

The [CIHR Institute of Gender and Health](#) is proud to partner with the [The Organization for the Study of Sex Differences](#) (OSSD), to bring their 2017 annual meeting to Canada for the very first time.

The 11<sup>th</sup> annual meeting of the  
**Organization for the Study of Sex Differences**  
**May 15 - 18, 2017**  
**Montreal, QC, Canada**

Join us in Montreal for a diverse scientific program, including the most recent advances in research regarding sex differences in physiology and disease.

### Call for Proposals: Sex Differences Across the Lifespan

The OSSD is now accepting symposium proposals for the 2017 meeting in Montreal. The theme of the 2017 meeting is **Sex Differences Across the Lifespan**. While we welcome proposals from all areas, we are particularly interested in those that highlight the intersection between age and sex.

#### Submit a Proposal

[Download and complete the proposal form](#)

Send to [symposia@ossdweb.org](mailto:symposia@ossdweb.org)

**Deadline: October 1, 2016.**

#### Journal: Biology of Sex Differences

Did you know there is an international, peer-reviewed journal dedicated to the study of sex differences? The OSSD's open access journal, [The Biology of Sex Differences](#) is published by BioMed Central (Impact Factor of 3.237) and considers manuscripts on all aspects of the effects of sex on biology and disease.

## Meetings of interest

[Canadian Society of Transplantation - Annual Scientific Meeting 2016](#), October 13 to 16, 2016, Québec City, QC

[Outbreak Intervention Symposium](#), October 13 to 14, 2016, Québec City, QC

[Canadian National Transplant Research Program Annual Scientific Meeting](#), October 13 to 15, 2016, Québec City, QC

[12<sup>th</sup> Canadian Immunization Conference](#) (CIC2016), December 6 to 8, 2016, Ottawa, ON

[6<sup>th</sup> Canadian Symposium on HCV](#), March 3, 2017, Banff, AB

[30<sup>th</sup> Annual Canadian Society for Immunology Conference](#), April 7 to 10, 2017, Banff, AB

[11<sup>th</sup> annual meeting of the Organization for the Study of Sex Differences](#) (OSSD), May 15 to 18, 2017, Montréal, QC

[67<sup>th</sup> Canadian Society of Microbiologists Annual Meeting](#), June 20 to 23, 2017, Waterloo, ON

## Future Earth - Call for Applications for its Engagement and Science Committees

[Future Earth](#) has launched a Call for Applications for its Engagement and Science Committees. The application deadline is **September 11<sup>th</sup>, 2016**.

For further details:

[EC Call for Applications](#)

[SC Call for Applications](#)



## Outcomes of the Working Meeting to discuss CIHR peer review processes

On July 13, 2016, CIHR hosted a Working Meeting with members of the health research community to review and jointly address concerns raised regarding CIHR's peer review processes. The group agreed to the immediate implementation of the following: face-to-face discussions will be restored and virtual discussions will no longer

be needed; teams of Virtual Chairs and Scientific Officers will be organized to oversee a group of applications throughout the process; a complementary iterative process will be implemented for indigenous focused research; a working group will be created to further refine the recommendations moving forward. [Read more](#)

As a follow-up to the outcomes of the July 13th Working Meeting to discuss CIHR's peer review processes, a [Peer Review Working Group](#) has been established under the leadership of Dr. Paul Kubes as Executive Chair of the College of Reviewers. This group, which includes representatives from the Working Meeting, advises CIHR

on the implementation of peer review changes. Once again, CIHR would like to thank each participant of the July 13 Working Meeting sincerely for their creativity and solutions-oriented focus.