Thinking outside the box and inside the envelope: Other funding opportunities at CIHR

Andrea Gonzalez
Objectives

• Provide trainees information about funding options
• Provide broad overview of other funding opportunities at CIHR
• Encourage and discuss strategies about ‘thinking outside the box’; not only in terms of funding opportunities, but also in terms of research and collaborations
Why is thinking outside the box so important?
Total Distribution of Applications

Stage 2: N = 467 (34%)
Will fund 150-210
32-45%

N = 1,366
Consolidated Ranking
Success rate overall: 10-15%
CIHR Institutes Modernization

The investments in health research and innovation made possible by the leadership and collective efforts of the Canadian Institutes of Health Research (CIHR) continue to play a critical role in strengthening Canada’s health care system and improving Canadians’ health. However, the health research landscape has changed markedly since CIHR was created in 2000. The health challenges of today are increasingly complex, and finding new, innovative solutions requires partnership and collaboration across the entire health spectrum. At the same time, Government institutions must demonstrate greater accountability and results to taxpayers and stakeholders while finding ways to operate more efficiently. CIHR continues to evolve to keep pace with this reality. The Institutes remain centrally important to CIHR, and a series of enhancements are being implemented to better support them and improve overall operational effectiveness. The ultimate goal is to ensure that investments in health research have the greatest possible impact on the health of Canadians.

Specifically, CIHR is:

Restructuring the Institute Advisory Boards to create a smaller number of Boards shared by several Institutes. This advisory model will enhance collaboration across research pillars, disciplines and communities while decreasing administrative burden. Clustering options are being developed under the guiding principle that all 13 Institutes will continue to benefit from expert counsel and advice.

Further enhancing the capacity of CIHR’s Science Council to initiate impactful research opportunities that cross multiple sectors by having Institutes invest half of their budget into a common research fund for this purpose.

Strengthening organizational coordination and corporate support for the Institutes by having Scientific Directors functionally report to Portfolio Heads and integrating Ottawa-based Institute staff into the three CIHR portfolios.

Developing a robust framework to support a regular assessment of Institute performance and relevance.

These changes were informed by an extensive consultative process both within Canada and internationally. The goal of this process was to identify opportunities to enhance CIHR’s capacity to support discoveries that produce innovation, measurable change and better health outcomes for all Canadians.

The CIHR executive management team has established four teams to implement these enhancements. Implementation teams include Scientific Directors, CIHR Directors and other CIHR employees. In addition, feedback is being sought from Institute Advisory Board Chairs, and relevant input received by email at institutesmodernization@cihr-irsc.gc.ca will also be considered.

Regular updates will be provided throughout the implementation process to Governing Council, CIHR employees, Institutes Advisory Boards, CIHR’s research communities, partners and other stakeholders.

Dr. Alain Beaudet, President,
Canadian Institutes of Health Research
On behalf of Governing Council
Pillar 3
Biomedical
Clinical
Health Systems & Services
Population Health
CIHR’s 13 Institutes

- Aboriginal Peoples' Health
- Aging
- Cancer Research
- Circulatory and Respiratory Health
- Gender and Health
- Genetics
- Health Services and Policy Research
- Human Development, Child and Youth Health
- Infection and Immunity
- Musculoskeletal Health and Arthritis
- Neurosciences, Mental Health and Addiction
- Nutrition, Metabolism and Diabetes
- Population and Public Health
How to find out about CIHR opportunities?
**[h-psycfa-list] HRS Funding Opportunities Bulletin November 19, 2014**

*h-psycfa-list-admin@mailman1.cis.McMaster.CA* on behalf of HSRESADM [hsresadm@mcmaster.ca]

**Cc:** Hollinshead, Wendy; Hodge, Lisa; Dowling, Michelle; Woods, Caroline; Gill Pottruff, Catherine; Beck, Augusta

**Attachments:** (2) Download all attachments
- Nov 19 2014 HRS Funding Op~1.pdf (560 KB) [Open in Browser]
- Timeline for CIHR 2015 Spr~1.pdf (711 KB) [Open in Browser]

<table>
<thead>
<tr>
<th>Funding Opportunity</th>
<th>Registration, LOI, NOI, EOI Deadline</th>
<th>HRS Internal Deadline</th>
<th>Sponsor Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIHR - SPOR Networks in Chronic Disease</td>
<td>Dec 2, 2014</td>
<td>Nov 21, 2014</td>
<td>Jan 13, 2015 LOI</td>
</tr>
<tr>
<td>CIHR - Operating Grant: Child and Youth Health 2014</td>
<td>Jan 6, 2015</td>
<td>Jan 20, 2015</td>
<td></td>
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<tr>
<td>CIHR - Team Grant : SU2C Canada Cancer Stem Cell Dream Team Research Funding</td>
<td>Dec 8, 2014</td>
<td>Apr 13, 2015</td>
<td>Apr 27, 2015</td>
</tr>
</tbody>
</table>
Issue 181

Funding opportunities posted between October 15 and November 20, 2014 by CIHR and its partners

The following is a list of funding opportunities which CIHR and its partners posted between October 15 and November 20, 2014.

To view these opportunities, please use the [CIHR Funding Opportunity Database](#).

* Catalyst Grant: Methods in Post-Market Drug Safety and Effectiveness Research

* Chair: GlaxoSmithKline Partnered 2014-2015

* Operating Grant: CEEHRC (Epigenetics)

* Operating Grant: Centres of Excellence for Commercialization and Research

* Operating Grant: eHealth Innovation Partnership Program (eHIPP)

* Other: ICRH Community Development Program Grants - Resuscitation Clinical Research

* Other: Patient Engagement – Collaboration Grants

* Other: SPOR Networks in Chronic Disease
IHDCYH News / Nouvelles de l'IDSEA

CIHR-IHDCYH / L'IDSEA des IRSC [ihdcyh-idsea@cihr-irsc.gc.ca]

To: Gonzalez, Andrea

* To help protect your privacy, some content in this message has been blocked. If you're sure this message is from a trusted sender and you want to view the blocked content, click here.

IHDCYH News
Nouvelles de l'IDSEA

November 11, 2014 / le 11 novembre 2014
Where do you get this information?
Health Research Services

McMaster FHS research community can obtain information about research funding sources:

- Linking to the major Canadian granting councils (CIHR, NSERC and SSHRC) and
- **HRS Funding Opportunity Bulletins** which researchers may subscribe, please
- Browsing thought the **Institutional Initiatives**
- Browsing through the **Major Prizes and Awards**
- Links to **Major Funding Agencies**
<table>
<thead>
<tr>
<th>Opportunity Name</th>
<th>Registration</th>
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<tbody>
<tr>
<td>Catalyst Grant</td>
<td>N/A</td>
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<tr>
<td>Catalyst Grant: Methods in Post-Market Drug Safety and Effectiveness Research</td>
<td>N/A</td>
</tr>
<tr>
<td>Chair</td>
<td>N/A</td>
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<tr>
<td>Chair: GlaxoSmithKline Partnered 2014-2015</td>
<td>N/A</td>
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<tr>
<td>Clinician-Scientist Salary Award</td>
<td>TBD</td>
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<tr>
<td>Clinician-Scientist Salary Award: 2014-2015</td>
<td>TBD</td>
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<tr>
<td>Doctoral Research Award</td>
<td>TBD</td>
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<tr>
<td>Doctoral Research Award: 2014-2015</td>
<td>TBD</td>
</tr>
<tr>
<td>Fellowship</td>
<td>TBD</td>
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<tr>
<td>Fellowship: 2014-2015</td>
<td>TBD</td>
</tr>
<tr>
<td>Foundation Scheme</td>
<td>2014-06-23</td>
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<tr>
<td>Foundation Scheme: 2014 1st Live Pilot</td>
<td>N/A</td>
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<tr>
<td>Master's Award</td>
<td>N/A</td>
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<tr>
<td>Master's Award: 2014-2015</td>
<td>N/A</td>
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<tr>
<td>New Investigator Salary Award</td>
<td>N/A</td>
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<tr>
<td>New Investigator Salary Award: 2014-2015</td>
<td>N/A</td>
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<tr>
<td>New Investigator Salary Award: Winter 2014 Priority Announcement (Specific Research Areas)</td>
<td>N/A</td>
</tr>
<tr>
<td>Operating Grant</td>
<td>N/A</td>
</tr>
<tr>
<td>Operating Grant: CEEHRC (Epigenetics)</td>
<td>N/A</td>
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<tr>
<td>Operating Grant: Centres of Excellence for Commercialization and Research</td>
<td>N/A</td>
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<tr>
<td>Operating Grant: Child and Youth Health (2014)</td>
<td>N/A</td>
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<tr>
<td>Operating Grant: Transitional Operating Grant: 2014-2015</td>
<td>2015-01-09</td>
</tr>
<tr>
<td>Operating Grant: eHealth Innovation Partnership Program (eHIPP)</td>
<td>2015-04-02</td>
</tr>
<tr>
<td>Other</td>
<td>Various</td>
</tr>
<tr>
<td>Other: Best Brains Exchange Travel Awards (2014-2015)</td>
<td>N/A</td>
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</tbody>
</table>
IHDCYH Funding

The Institute of Human Development, Child and Youth Health (IHDCYH) funds health research in order to develop and support a well-trained base of investigators with the skills and expertise needed to design and conduct innovative and diverse research and knowledge translation activities aimed at improving health.

IHDCYH provides funding support for two distinct groups of research initiatives:

- strategic research in which the Institute takes the lead
- investigator-initiated research, which the Institute facilitates and supports through various mechanisms such as workshops and coalition building

Find out more about IHDCYH's funding:

- Opportunities
- Institute Community Support Program
- Decisions

Modified: 2013-08-02
Search Results 1 - 7 for **CIHR, Institute of Human Development, Child and Youth Health**

This list is sorted in order of the next closest Deadline Date. You may sort the list by clicking on any of the underlined column headers. Some programs have Funding Opportunities that are yet to be defined (listed as TBD), whereas others can be applied to at anytime (listed as Various). These will appear at the bottom of the list. To view details on the Funding Opportunity click on the Opportunity Name.

<table>
<thead>
<tr>
<th>Opportunity Name</th>
<th>Deadline Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Investigator Research Grants is a jointly sponsored program of SickKids Foundation and the CIHR - Institute of Human Development, Child and Youth Health (IHDCYH). Grant recipients may obtain u...</td>
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<tr>
<td><strong>Canadian Institutes of Health Research - Operating Grant</strong></td>
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<tr>
<td>Environments and Health Signature Initiative</td>
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<tr>
<td>In February 2012, the CIHR Institute of Nutrition, Metabolism and Diabetes (INMD) in partnership with the Institute of Genetics ...</td>
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<tr>
<td><strong>Canadian Institutes of Health Research - Other</strong></td>
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<tr>
<td>CIHR is Canada’s major federal funding agency for health research. Its objective is to excel, according to internationally accepted standards of scientific excellence, in the creation of new knowle...</td>
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<tr>
<td><strong>Canadian Institutes of Health Research - Other</strong></td>
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<tr>
<td>Program at a Glance</td>
<td></td>
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<tr>
<td>The eHealth Innovation Initiative (eHII) is a multi-phase initiative that aims to enhance health outcomes and health care delivery, thr...</td>
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<tr>
<td><strong>Canadian Institutes of Health Research - Operating Grant</strong></td>
<td></td>
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<tr>
<td>Background:</td>
<td></td>
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<tr>
<td>The pan-Canadian SPOR Network in Primary and Integrated Health Care Innovations is a key CIHR initiative under the Strategy for Patient-Oriented Research and the...</td>
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<tr>
<td><strong>Canadian Institutes of Health Research - Other</strong></td>
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<tr>
<td>The purpose of this funding opportunity is to improve health through an increased understanding of how biological, social and environmental exposures impact human health and development. The success...</td>
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<tr>
<td><strong>Canadian Institutes of Health Research - Team Grant</strong></td>
<td></td>
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<tr>
<td>The Pathways Implementation Research Teams (IRTs) Funding Opportunity supports the overall goal of Pathways which is to develop a better understanding of how to design, implement and scale-up popul...</td>
<td></td>
</tr>
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</table>
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- Opportunities
- Institute Community Support Program
- Decisions
Institute Community Support (ICS) Program (2014-15)

Under the framework of the ICS Program, CIHR-HDCYH funding will be distributed among the following opportunities:

- Travel awards for trainees and postdoctoral fellows
- Planning Grants
- IHDCYH Talks

CIHR-IHDCYH ICS Program

The ICS Program is designed to foster community development by providing grants and awards to individuals and organizations for the purposes of:

- Aiding research and knowledge translation activities where the circumstances fall outside CIHR's current suite of funding programs; and
- Supporting individuals and organizations whose activities and goals are consistent with CIHR-IHDCYH’s mandate and strategic research priorities.

The ICS Travel awards Program is not intended to support the direct cost of research (e.g., pilot projects, feasibility studies or operating grants), principal and co-investigator salaries or research equipment.

The ICS Planning and Dissemination Program is intended for those seeking meeting, workshop or symposium support.

The ICS IHDCYH Talks program is intended to improve knowledge translation of research within IHDCYH's mandate.
What are the various funding opportunities at CIHR?

- Travel awards
- Planning and Dissemination programs
- Knowledge Synthesis
- Knowledge to Action
- Knowledge Translation
- Emerging team grants
- Other special initiatives
Stats from our department: 2012-2014

- 63 not specified – listed as CIHR grants
- 44 – operating grants
- 6 planning grants
- 5 emerging teams
- 3 dissemination activities
- 2 knowledge translation
- 2 knowledge to action
- 1 knowledge synthesis
When you get this email, what do you do with it?
Not applicable
Too busy
Content area out of scope
Overview of opportunities
Institute Community Support (ICS) Programs
ICS Programs

• Offered by individual Institutions

• Some are geared specifically to graduate students and postdoctoral fellows

• Include: travel awards, planning and dissemination grants, training opportunities, recognition awards, specific KT strategies
ICS Program – Application Form

- Rationale and objectives of funding request
- How does this align with the Institute’s mandate
- Description of the activity
- Anticipated outcomes
- Anticipated size of target audience and specific intended use of the award
- Describe the need for the activity, including why the request cannot be funded under an existing CIHR program
- NOTE: You do not need all sections for all types of applications
Trainee Grants and Awards
Travel Awards: Trainees

- Different deadline depending on the Institute
- Support varies from $1,000 - $2,500
- Typically includes a one page description of presentation, how it is aligned with the institute’s priorities, what you will gain from attending/presenting at the conference and a letter of support from a mentor
IGH Awards for Excellence in Research: Trainee Award

– 1,000 word essay:
  • Summary of your research: What is your research about? What is your research design? How have you integrated gender and/or sex into your design? How does it contribute to what is known about your area of health research?
  • What is innovative about your research (novel findings, methodological innovations, theoretical advancements)?
  • Actual or potential knowledge translation of your research into policy, interventions, health care, health, and/or other arenas of impact.
INHMA: Brain Star Award: Trainees ($1,500)

- **How does this request align with the Institute's mandate?** (250 words)
  How the paper is aligned with the INMHA mandate/mission.

- **Describe the Specific contribution of the student or trainee:** (250 words)
  Your contribution to conception and design of the study, acquisition of data and analysis and interpretation.

- **Provide a description of the impact of the publication** (250 words)
  Relevance and significance of the paper in the broader context of the field of neuroscience, mental health and addiction, its impact on the target audience and beyond the specific field of study.

- Provide a copy of your article
- Provide a Biographical sketch
Aging Institute: Aging+ Award

• Two times per year; $1,000
• Trainees (graduate student, PDFs, residents) eligible
• Related to Institute’s mandate
• Publish first author manuscript in the last 9 months
IGH Gender, Sex and Health: Research Skills Development Awards

• Proposal (1,000 words): for trainees only
  – Your proposed training activity:
    • Proposed training activity.
    • Explain what gender, sex and health research skills you plan to develop through this activity.
    • Explain why it is necessary to seek this training outside of your home institution.
    • If you are proposing to enrol in a specialized course, explain why you want to take this course, what skills you will gain, and why taking it would strengthen your program of research in gender, sex and health.
    • If you are proposing to work with an expert researcher, knowledge user, or team, explain why you want to work with them, what skills you will gain, and what working with them will add to your program of research in gender, sex and health.

  – Your program of research:
    • Summarize your program of research. Outline your topic, methods and (where relevant) key findings.
    • Explain how gender and/or sex are integrated into your program of research.
    • Describe your career aspirations in gender, sex and health research.
IPPH Professional Advancement Awards

- Held 3 times per year
- Four professional advancement awards:
  - **Mentorship opportunities**: all levels, to foster nascent relationships (up to $2,500)
  - **Visiting scholars**: researchers to travel to a host university which will lead to demonstrable output
  - **Lectureships**: presentation at conference, meeting, symposium or lecture and is related to the Institute’s strategic priorities (up to $2,500)
  - **Skills updates**: all levels to visit Research Centres or other Institutions to acquire specialized skills or research or KT experience related to strategic priorities (up to $5,000)
IGH Gender, Sex and Health: Trainee KT Supplement (up to $5,000)

- **Objective**: advance the translation of research led by the applicant as part of a graduate thesis or postdoctoral project and that has a substantive focus on gender and/or sex and health.

- Potentially relevant **end of grant KT** activities for this supplement may include, but are not limited to:
  - Web-technology, including websites, webcasts, or web-conferencing;
  - Development and distribution of arts-based KT, including videos and other creative mediums;
  - Production and distribution of written materials in specialized formats;
  - Development and dissemination of plain language summaries;
  - Publication of scientific papers in open access journals;
  - Face-to-face events that bring together researchers and knowledge-users;
  - Language translation to meet the needs of target audience(s);
  - Publications in open access journals; and
  - Any combination of above or other related activities.
IGH Gender, Sex and Health: Trainee KT Supplement

• Construct KT plan (1,000 words)
  – Title
  – Synopsis of research
  – KT activity description and rationale
  – Knowledge users (specify describe target audience)
  – Goals (what do you want to achieve)
  – Methods (KT methods/strategies)
  – Outcomes (what will it accomplish; 3 indicators of success)
  – Timeline
  – Budget
Planning and Dissemination Grants
Planning and Dissemination Grants

• Typically launched 3 times per year
• Each competition varies by institutional initiative and amount allotted by each institution
• Maximum amount per grant varies by Institution, but does not exceed $25,000
Planning & Dissemination Grants

• Objectives:
  – to support *planning activities*, partnership development and/or increasing understanding of the health research landscape that will contribute to the advancement of research consistent with the mandate of CIHR; and/or;
  – to support *dissemination events/activities* that focus on the communication of health research evidence to the appropriate researcher and/or knowledge user audience(s), tailoring the message and medium as appropriate.
Planning Grant Activities

Include, but are not limited to:

• Identify research questions, issues and priorities that could form the basis of a grant;
• Stakeholder consultations, regarding needs, gaps and opportunities in the health research landscape, priority policy issues and/or research questions;
• Initial planning and discussion of a research project among potential team members to assess the viability of the research project and the partnership;
• Conducting an environmental scan or preliminary synthesis of relevant literature, activities or programs;
• Early-stage planning to determine possible commercial viability of a discovery;
• Opportunities for knowledge exchange involving stakeholder linkages that could potentially lead to an application to a funding opportunity;
• Gatherings of partners, health researchers, and/or knowledge users where the main objective is to facilitate regional/national and/or international collaboration among individuals or groups from a variety of backgrounds interested in applying to a funding opportunity
Dissemination Activities

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

- **Objectives:**
  - Clarity and alignment of the proposed objectives and scope with the objectives of this funding opportunity;
  - Likely impact of the anticipated outcomes (consensus, research priorities, research project).

- **Knowledge exchange and/or dissemination:**
  - Inclusion of relevant stakeholders (research community, knowledge-users, citizens, etc.) and sectors (private, public, charities);
  - Potential to catalyze new initiatives, develop new inter- and multi-disciplinary collaborations among researchers and/or users of research;
  - Appropriateness and adequacy of the proposed knowledge exchange and/or dissemination plans for activity outcomes.

- **Feasibility:**
  - Perceived ability of the project team to carry out the proposed project (appropriateness of project approach and team credentials);
  - Appropriate budget and justification for amount requested.
Application: Planning & Dissemination

• Identify participants
• Project information and supporting documents
  – Lay Abstract
  – Enter the location of event/activity
  – Activity Description: address all evaluation criteria (4 pages).
    • If it is a meeting/event attach an event program and/or agenda, as well as information about the meeting participants expected including their relevance/role.
• Budget and supporting documentation
What percentage of planning and dissemination grants are funded?
Knowledge Synthesis Grants
Knowledge Synthesis Grants

- Purpose: to support teams to produce knowledge syntheses and scoping review which will contribute to use of synthesized evidence in decision-making and practice
- 2 types: knowledge synthesis and scoping review
- Competition typically held 2 times per year
- Total funding available: $1.5M – typically funds 15 grants
Knowledge Synthesis Grants

- All forms are eligible including: systematic reviews, realist and narrative syntheses, meta-analyses/meta-syntheses and meta-ethnography
- Can be quantitative, qualitative or mixed methods
- Maximum allowed: $100,000 for one year
Scoping reviews

- Scoping reviews: exploratory projects which map the literature on a topic, identifying key concepts, theories, evidence, and gaps
- Often preliminary to a full syntheses, undertaken when feasibility is a concern (either because literature is vast and diverse) or not enough literature exists
- Maximum allowed: $50,000 for one year
Knowledge Synthesis Grants

• Main components of the proposal:
  – Concept: idea and importance of the idea (1.5 pages)
  – Approach and methods (4.5 pages)
  – Expertise, Experience and Resources (1 page)
What do you think the success rate is for Knowledge Synthesis grants?
22%
Upcoming initiatives which may be relevant to our Department
CIHR – IHDCYH/SickKids: New Investigator Research Grant

• Due date: January 20, 2015
• Funding envelope: $1.8M
• Maximum allowed: $100,000 per year for up to 3 years
• Project grant for eligible new investigators with an identified mentor
• Specific application form (max 20 pages); project description; mentorship plan; summary and budget
Team Grant: DoHaD – Implications for Men, Women, Boys and Girls

• Two step application process
  – Phase 1: LOI (due March 13, 2015)
  – Phase 2: complete application upon invitation (November 9, 2015)

• Total amount available: $9M – enough to fund 6 grants up to 5 years (maximum amount per year is $300,000)
DoHaD

- DoHaD examines how environmental factors acting during developmental plasticity interact with genotypic variation to change the capacity of an organism to cope with its environmental output throughout the lifespan.
- Research seeks to establish what physical, environmental or social exposures during gametogenesis, pregnancy and postnatal life affect the onset and development of diseases in children and adults.
- Also including functional relationship between parental health to health of children and transgenerational effects.
DoHaD Team Grant

• Purpose: examine how biological, social and environmental exposures impact human health and development

• Multi-disciplinary teams

• Required to focus on sex and gender outcomes

• Team leads required to meet on regular basis to share emerging knowledge, determine best practices and begin to build a network of DOHaD researchers
Phase 1: LOI

- Identification of key participants (max 5); others are listed elsewhere
- Project information: 5 pages
  - Role of each participant in addressing the DoHaD gap area and multi-dimensional nature of the team
  - Describe goals and objectives of research program
  - Description of challenges/gaps/compelling problems to be addressed and how they are relevant to stakeholders
  - Description of training and mentoring environment
- Summary of research proposal
- Budget (may request up to $10,000 for Phase 2 development)
LOI Criteria

- Appropriateness and clarity of the overall goals and objectives and how it relates to the call.
- Quality of the proposed research program, including the evidence that sex and gender considerations
- Strength and multi-disciplinary nature (including basic and social scientists) of the team and its collaborations.
- Appropriateness of the team members’ expertise in the DOHaD health gap area identified.
- Evidence that the research program is addressing a compelling problem relevant to knowledge users/policy decision-makers.
- Quality of the training and mentoring plan.
Programmatic Grant: Environment, Genes and Chronic Disease
Environment, Genes & Chronic Disease

• Two step application process
  – Phase 1: LOI (due January 20, 2015)
  – Phase 2: complete application upon invitation (September 17, 2015)

• Total amount: $14M, enough to fund approximately 7 grants

• Maximum amount: $400,000 per year for up to 5 years
Environment, Genes and Chronic Disease

• Applications must align with only ONE of the 4 funding pools:
  – Role of E x microbiome x G in chronic non-communicable disease
  – Chronic non-communicable immunological mediated disease (e.g. IBD, type 1 diabetes, celiac disease)
  – Chronic non-communicable metabolic disease (type 2 diabetes, obesity)
  – Chronic non-communicable disease related to reproduction, fetal and/or early childhood development
Environment, Genes & Chronic Disease

- *Programmatic research*: must include a series of related projects conceptually linked and address gaps in current knowledge
- *Examine at least one environmental, one genetic component and how these interact to contribute to chronic non-communicable disease*
- Grants must be interdisciplinary programs of research with diverse group of collaborators
Examples of Programmatic Research:

- investigations on how multiple exposures (e.g. home, community and workplace environments) impact the human microbiota, and how these changes interact with host genetic factors to contribute to the development of diabetes

- investigations to determine mechanisms of healthy aging and longevity related to gene regulation and interactions with the microbiota that may be modified by prescription drugs
LOI: E, G & Chronic Disease

- Must address at least 1 E factor, 1 G component and how these interact
- *Note:* E defined as the physical, chemical, and biological factors external to humans, which include cultural, economic, and social factors
- Must align with one of 4 funding pools
- Must include a series of related research projects linked under a programmatic theme
LOI: 20 pages

• Background
• Summary of the relevant literature.
• Main features of the research program (preliminary plan for the Program of Research and schedule of work), including research, mentorship and knowledge translation activities, and how they fit the objectives of this funding opportunity
• The extent of collaboration between investigators, with an explanation of the anticipated value added to the Program of Research (why this cannot be funded through one or more operating grants).
• Identify partnerships, and include a brief description of how they operate or will operate
• The integration plan and role of the New Investigator(s) and/or Clinician-Scientist(s) into the research program.
• The plan, including proposed organizational/governance structures for engaging and linking with those who will ultimately use the research findings
Strategy for Patient-Oriented Research

• **Objective**: is to foster evidence-informed health care by bringing innovative diagnostic and therapeutic approaches to the point of care, so as to ensure greater quality, accountability, and accessibility of care.

• What does this mean?
  – Increase support for clinical trials and intervention studies
  – Improve translation from basic research to bedside which will improve health outcome in patients

• **Note**: need matching funds
Summary

• Competitiveness; traditional grants

• Need to be more innovative and broad

• Other grant options are available, but need to know of them in advance

• Knowledge synthesis grants/planning grants leverage funding for larger grants later