



CIHR IRSC

# Focus on Partnerships

Canadian Nutrition Society

Food for Health Workshop

St. John's, Newfoundland & Labrador

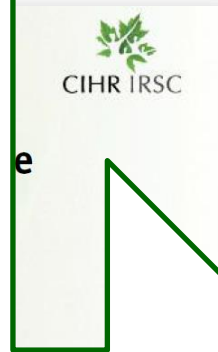
June 5, 2014

Philip Sherman, MD, FRCPC

Scientific Director

Institute of Nutrition, Metabolism and Diabetes

**Collaboration** - CIHR promotes, encourages and values collaboration among researchers in Canada and internationally. CIHR engages, collaborates and coordinates research activities with federal and provincial/territorial governments and departments, and non-profit and private sector organizations. CIHR is committed to openness, responsibility, fairness and mutual respect with all its researchers and partners. **CIHR cannot fulfil its mandate without the collaboration and support of domestic and international partners.**



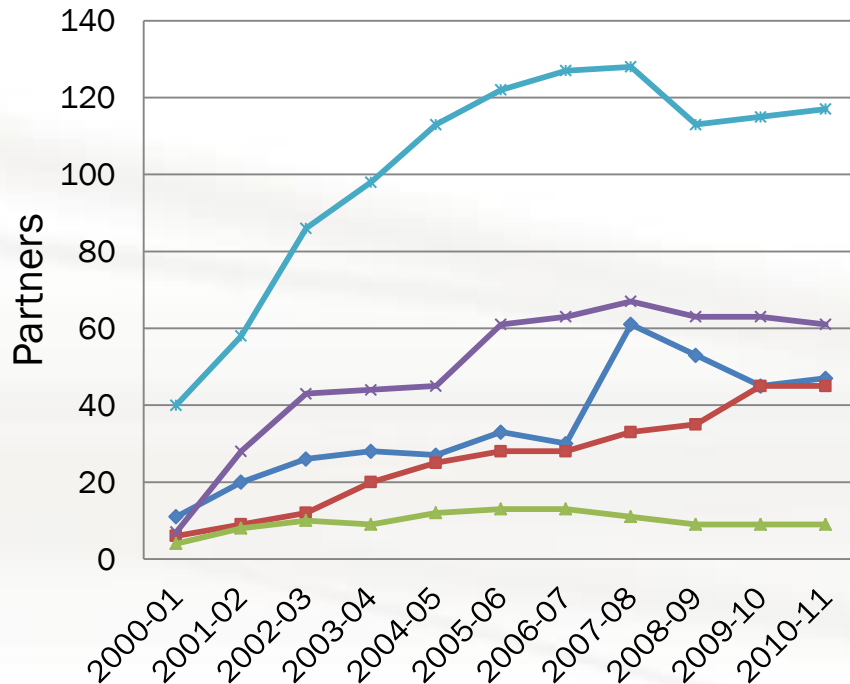
## CIHR's Values

To assure Canadians that their investments in health research are used wisely, CIHR embraces values that permeate all aspects of the organization's activities and relationships with others. These core values are:

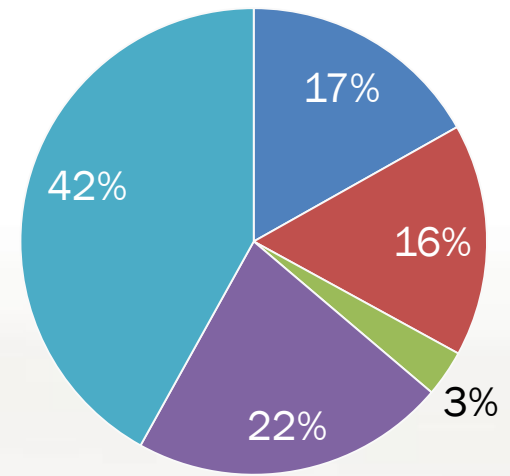
- **Excellence** – In all aspects of its work including research, knowledge translation and organizational services, CIHR strives to meet the highest international standards of excellence.
- **Scientific Integrity and Ethics** – CIHR upholds and promotes adherence to relevant research and organizational principles with utmost honesty, probity and professionalism. CIHR believes that excellent research, knowledge application and good governance require the development and application of sound ethical principles and processes.
- **Collaboration** – CIHR promotes, encourages and values collaboration among researchers in Canada and internationally. CIHR engages, collaborates and coordinates research activities with federal and provincial/territorial governments and departments, and non-profit and private-sector organizations. CIHR is committed to openness, responsibility, fairness and mutual respect with all its researchers and partners. CIHR cannot fulfil its mandate without the collaboration and support of domestic and international partners.
- **Innovation** – CIHR values new ideas and creative approaches to addressing health and health system challenges in Canada and worldwide.
- **Public Interest** – The public interest is of paramount importance in the creation and use of health knowledge through all research and related activities supported by CIHR.

# CIHR Partners: Overview

## Total number of partners by sector



- Academia
- International
- Private
- Public
- Voluntary



**2010-11**

# Variability in Scale & Scope of CIHR Partnerships



# Signature Initiatives: Opportunities for Strategic Partnerships

## CIHR Research Priority Areas

*Enhance Patient-Oriented Care and Improve Clinical Results through Scientific and Technological Innovations*

*Support a High-Quality, Accessible and Sustainable Health-Care System*

*Reduce Health Inequities of Aboriginal Peoples and other Vulnerable Populations*

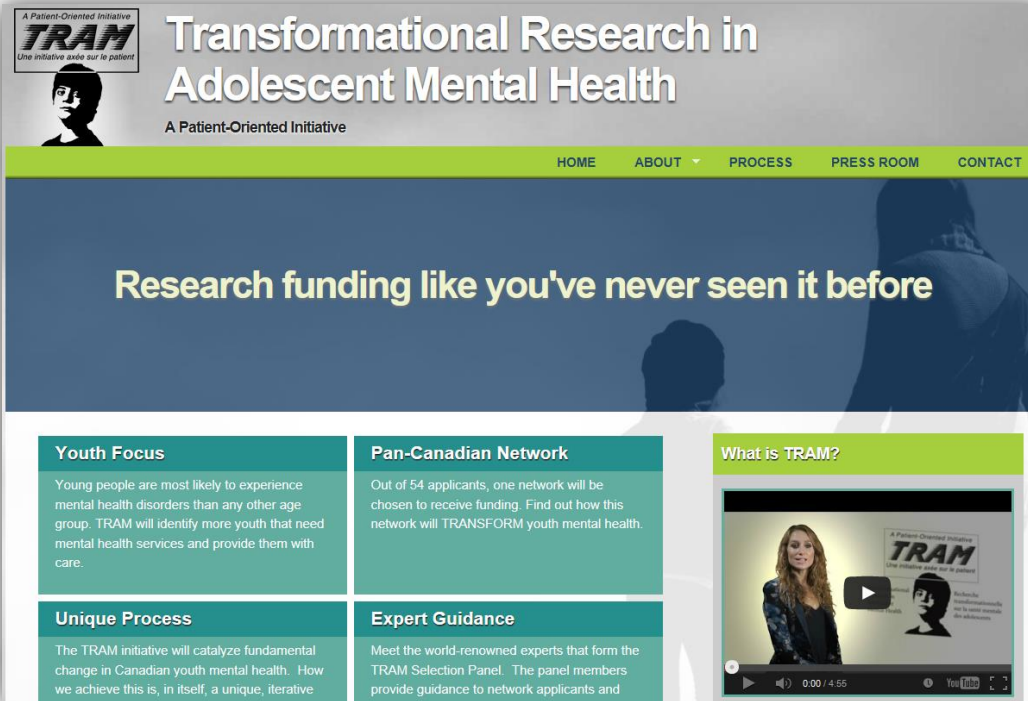
*Prepare For and Respond To Existing and Emerging Threats to Health*

*Promote Health and Reduce the Burden of Chronic Disease and Mental Illness*

**Signature Initiatives** are now at varying stages of development and implementation:

- Evidence Informed Healthcare Renewal
- Canadian Epigenetics Consortium
- Community Based Primary Health
- Personalized Medicine
- Pathways to Health Equity for Aboriginal Peoples
- Inflammation in Chronic Disease
- Strategy on Patient-Oriented Research: Networks, SUPPORT Units
- Environments and Health

# Strategy for Patient-Oriented Research: Partnership Example

**Transformational Research in Adolescent Mental Health**  
A Patient-Oriented Initiative

HOME ABOUT PROCESS PRESS ROOM CONTACT

**Research funding like you've never seen it before**

<p><b>Youth Focus</b></p> <p>Young people are most likely to experience mental health disorders than any other age group. TRAM will identify more youth that need mental health services and provide them with care.</p>	<p><b>Pan-Canadian Network</b></p> <p>Out of 54 applicants, one network will be chosen to receive funding. Find out how this network will TRANSFORM youth mental health.</p>
<p><b>Unique Process</b></p> <p>The TRAM initiative will catalyze fundamental change in Canadian youth mental health. How we achieve this is, in itself, a unique, iterative</p>	<p><b>Expert Guidance</b></p> <p>Meet the world-renowned experts that form the TRAM Selection Panel. The panel members provide guidance to network applicants and</p>

**What is TRAM?**

Video player showing a woman speaking about the TRAM initiative.

- **\$25M** in funding to support **one** national network over five years.
- \$12.5M from CIHR and \$12.5M from the **Graham Boeckh Foundation**.
- Both organizations engaged in the competition process, and in monitoring and mentoring the successful network post-award.



# Partnerships in the Open Programs: Grants

- Partnerships for Health Systems Improvements (PHSI): *Working with Parents to Prevent Childhood Obesity: A Primary Care-based Study*
- Operating Grant: Collaborative Health Research Projects (CHRP) with NSERC



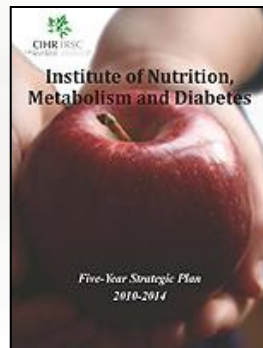
# Fellowships: Partnered with the Canadian Nutrition Society

PI	Project Title	<u>Institution</u>
AZAD, Meghan	The impact of antibiotic use, caesarean section delivery and formula feeding on infant microbiota	University of Alberta
BROMLEY-BRITS, Kelley A	Functional impact of dietary methyl supply on early programming in neonates	Memorial University of Newfoundland
RAHMAN, Adam*	Prospective audit of parenteral nutrition in high-risk hospitalized surgical patients in Canada	McMaster University

Fellowships funded in partnership with the Canadian Nutrition Society through the Small Health Organization Partnerships Program (SHOPP)



**INMD supports research to enhance health in relation to diet, digestion, excretion, and metabolism; and to address causes, prevention, screening, diagnosis, treatment, support systems, and palliation of conditions and problems associated with hormone, digestive system, kidney, & liver function.**



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## ORIGINAL ARTICLE

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### Strategic plan of the Canadian Institutes of Health Research Institute of Nutrition, Metabolism, and Diabetes

Philip M Sherman MD FRCPC, Mary-Jo Makarchuk MSc MHSc RD, Paul Belanger BScN, Eve A Roberts MD FRCPC

PM Sherman, M-J Makarchuk, P Belanger, EA Roberts. Strategic plan of the Canadian Institutes of Health Research Institute of Nutrition, Metabolism, and Diabetes. *Can J Gastroenterol* 2011;25(10):560-564.

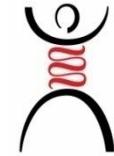
Le plan stratégique de l'Institut de la nutrition, du métabolisme et du diabète des Instituts de recherche en santé du Canada

# INMD Partners

Canadian Association of Gastroenterology  
L'Association Canadienne de Gastroentérologie




Crohn's and Colitis Foundation of Canada  
Fondation canadienne des maladies inflammatoires de l'intestin




Fonds de recherche Santé  
Québec




CANADIAN DIABETES ASSOCIATION  
ASSOCIATION CANADIENNE DU DIABÈTE



JDRF Juvenile Diabetes Research Foundation International  
*dedicated to finding a cure*



20 YEARS TOGETHER ADVANCING NUTRITION  
Canadian Foundation for Dietetic Research



HEART & STROKE FOUNDATION OF CANADA  
FONDATION DES MALADIES DU CŒUR DU CANADA  
*Finding answers. For life. À la conquête de solutions.*



Canadian Association for the Study of the Liver  
CASL ACEF Association Canadienne pour l'étude du foie



Canadian Digestive Health Foundation



Canadian Nutrition Society  
Société canadienne de nutrition



Cystic Fibrosis Canada  
*Breathing life into the future™*



CANADIAN LIVER FOUNDATION  
FONDATION CANADIENNE DU FOIE



CSEM SCÉM  
Canadian Society of Endocrinology and Metabolism  
La Société canadienne d'endocrinologie et métabolisme



Ontario  
MINISTRY OF HEALTH AND LONG-TERM CARE



Canadian Lipoprotein Conference



CANADIAN SOCIETY OF NEPHROLOGY  
SOCIÉTÉ CANADIENNE DE NÉPHROLOGIE



Food and Health

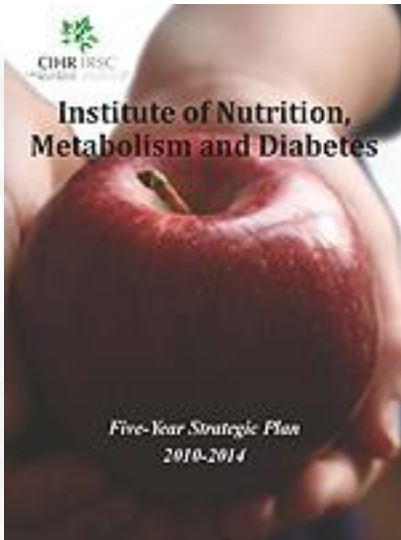
Environments, Genes & Chronic Disease

Obesity and Healthy Body Weight: Seeking Solutions

Continuum of Care

2010

2014



## Objectives:

- develop a stronger evidence base to inform future nutritional practice and food policy
- foster research on total diet and specific nutrients that enhance health and reduce risk of chronic disease
- support the evaluation of biomarkers of nutritional adequacy
- support emerging innovations in food engineering
- include ethical issues & people with vulnerabilities





# Results of Programmatic Grants in Food and Health

PI	Project Title	Institution
ANAND, Sonia*	Understanding the impact of maternal and infant nutrition on infant/child health	McMaster University
JENKINS, David	Canada-Wide Human Nutrition Trialists' Network	University of Toronto
LEMIEUX, Simone	Adhésion aux recommandations visant la saine alimentation: identification des mesures, déterminants et interventions	Université Laval
MARETTE, André	Translational approach to establish the cardiometabolic health effects and mechanisms of action of fish nutrients: from animal models to obese insulin-resistant subjects	Université Laval
MAZER, Bruce	GET-FACTS: Genetics, Environment and Therapies: Food Allergy Clinical Tolerance Studies	The Research Institute of the McGill University
O'CONNOR	Optimizing Mothers' Milk for Preterm	Hospital for Sick



# Canadian Children IBD Network: A Joint Partnership of CIHR and the CHILD Foundation

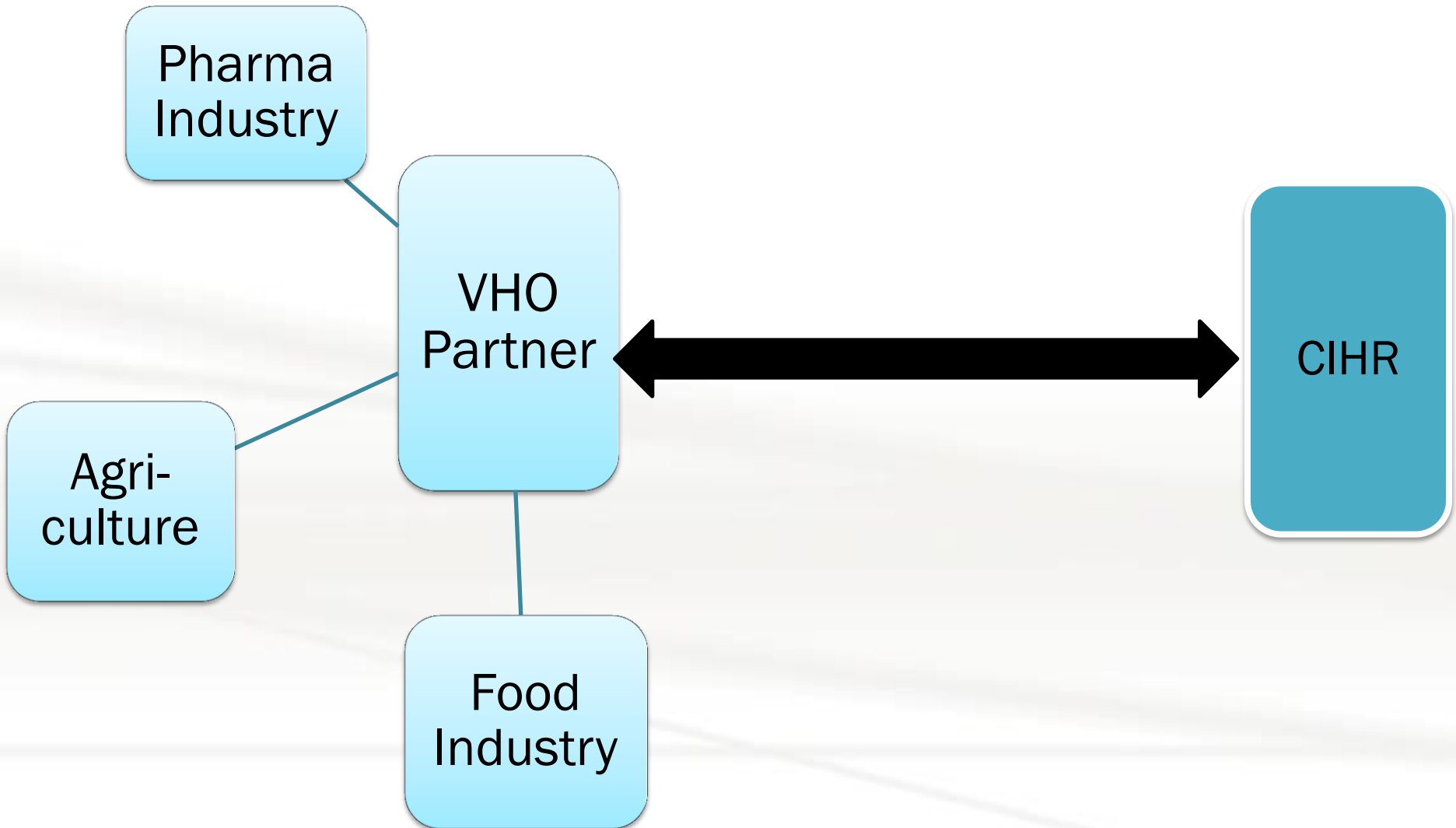
- Funding from the CHILD Foundation
- CIHR coordinated peer review and competition management; supports Network Advisory Committee



P. Sherman et al. J Pediatr Gastroenterol Nutr 2012;55:125-130



# CIHR Partners with Industry Both Directly and Indirectly





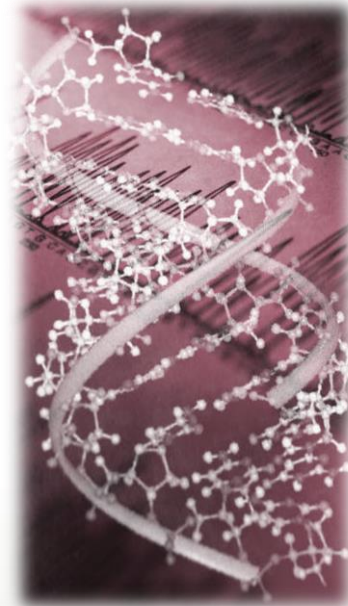
- Launched in 1992 to support post-doctoral fellowships
- Today, it includes fellowships, New Investigator awards, and operating grants
- From 2000 to 2008:
  - **\$17.4M** in research funding to >150 researchers
  - 1:1 matching of CIHR dollars
  - >500 research articles, 130 review articles, 33 book chapters, and 11 patents
  - More than 3/4 of recipients still in research

P. Sherman et al. *Can J Gastroenterol* 2013;27:717-720

- CIHR seeks to leverage funding with partners

Strategic funding opportunities aligned to interests of CNS and its members:

- Team Grants in Bariatric Care
- Programmatic Grants in Environments, Genes, and Chronic Disease



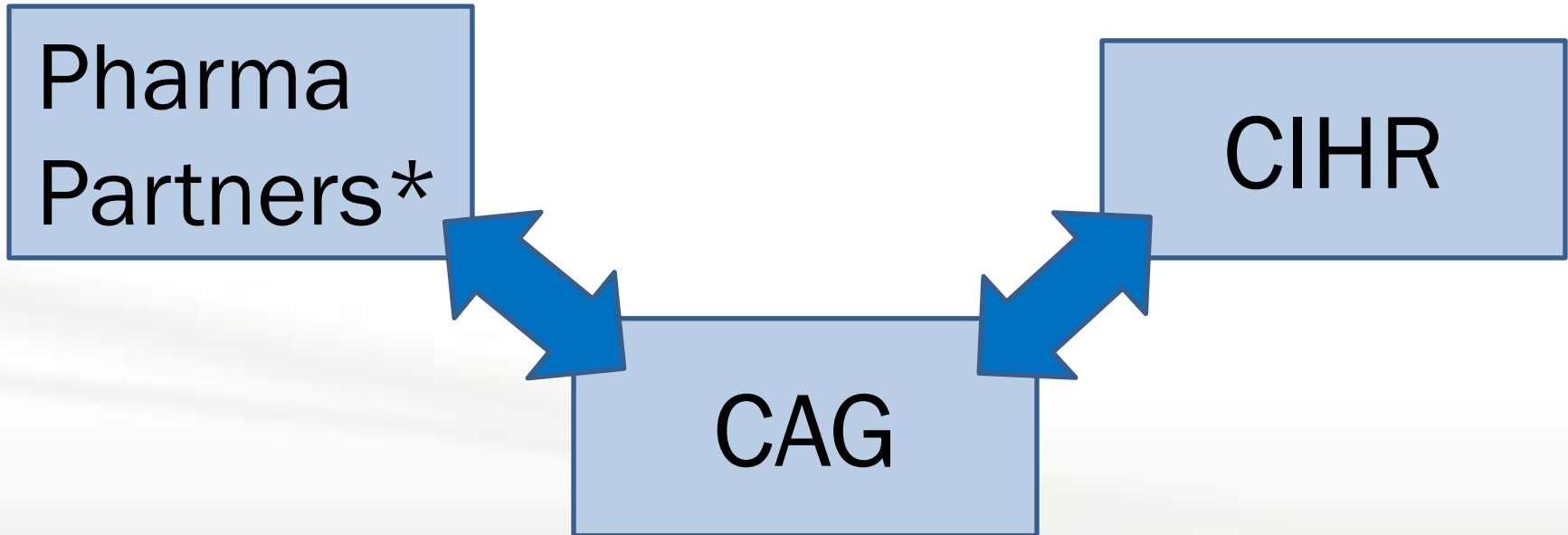
# Thank you for your attention!

## Questions, Comments, Feedback...

- For more information:

- INMD Newsletter: <http://www.cihr-irsc.gc.ca/e/13526.html>
- CIHR Funding News: <http://www.cihr-irsc.gc.ca/e/26626.html>
- [philip.sherman@sickkids.ca](mailto:philip.sherman@sickkids.ca)





- **CAG partners directly with CIHR to launch and co-fund the competitions**
  - CAG signs a collaborative agreement with CIHR to outline the funding and competition details
- **CAG establishes its own arrangements with its pharmaceutical partners**
  - CAG manages the funds from these organizations