



The Ottawa
Hospital | L'Hôpital
d'Ottawa

Centre for Implementation Research

Centre for Implementation Research Launch

Friday January 19th, 2018
9:00AM - 4:30PM



The Ottawa Hospital - General Campus
501 Smyth Road, Critical Care Wing, 5th Floor, Room 5225

Inspired by research. Driven by compassion.
Inspiré par la recherche. Guidé par la compassion.

Affiliated with • Affilié à



uOttawa

Message from the Centre for Implementation Research Members

We are delighted that you are able to attend the launch of the newly founded Centre for Implementation Research.

Patients and societies fail to benefit optimally from advances in healthcare due to implementation failures in healthcare systems. Improved implementation is essential if we are to reap the benefits of health research to improve the health and quality of life of Canadians, the effectiveness of health services, and the Canadian healthcare system. Implementation research is the scientific study of the determinants, processes and outcomes of the implementation of research informed priorities and policies.

The CIR is an interdisciplinary group of 14 scientists based in the Centre for Practice-Changing Research within the Ottawa Hospital Research Institute and affiliated with the University of Ottawa. We focus on developing and applying Implementation research in healthcare settings to improve healthcare and health (<http://www.ohri.ca/cir/>).

We look forward to sharing our work with you.

The **Centre for Implementation Research** focuses on developing and applying Implementation Science in health-care settings to improve health-care and health.

Our members have academic expertise spanning cognitive psychology, health psychology, health services research, health economics, knowledge translation science, medical sociology, medicine, nursing, population health and statistics. Our research is local, regional, national and international in scope and involves collaborations with stakeholders and knowledge users at each level in key healthcare priority areas.

Our members harness and develop contemporary approaches to develop and evaluate multilevel practice-changing research targeting health-care systems, health-care providers, patients and the general public. Our team has particular expertise in:

- Decision-making and [decision aids](#)
- Health economic analyses (person-level and model-based approaches)
- Health-care professional and patient behaviour change
- Intervention evaluation (randomized trials and quasi-experiments)
- Knowledge syntheses of theories and knowledge translation/implementation strategies (complex interventions)
- Medical education
- Theory-based identification of barriers and facilitators to change (qualitative and quantitative)
- Theory-based intervention development
- Theory-based process evaluation alongside trials
- User-centred design

The Centre for Implementation Research is committed to training through delivering courses and workshops, and supervising and mentoring the next generation of leaders in the field.

We operate within the Ottawa Hospital Research Institute in Ottawa (Canada), and are located primarily at the purpose-built Centre for Practice-Changing Research. Our Centre is affiliated with the [University of Ottawa](#) and works closely with the [Ottawa Methods Centre](#) and the [Knowledge Synthesis Group](#).

 Please visit the **Centre for Implementation Research** site by clicking [here](#).

Social Media

We encourage you to share your CIR launch experience via social media using the provided hashtag **#CIRlaunch**.

!! Presenters may request that their slides and content **not be posted** on social media. Please respect their request.

Follow the Centre for Implementation Research and The Ottawa Hospital on Twitter.



Centre for Implementation Research: [@TOH_CIR](#)

The Ottawa Hospital : [@OttawaHospital](#)

Centre for Implementation Research Launch

January 19, 2018

| Time | Topic | Speakers |
|--------------------|---|-------------------------------------|
| 9:00-9:45 | Registration and Coffee | |
| 9:45-10:00 | Welcome and Introductions - Patricia Kossiem, Chair of OHRI Board | |
| Session 1 | What is Implementation Research and why is it important? | Chair: Jamie Brehaut |
| 10:00-10:15 | Implementation Research 101 | Jeremy Grimshaw |
| 10:15-10:30 | Working with stakeholders - Integrated KT | Ian Graham |
| 10:30-10:45 | Engaging patients and their family in shared decision making | Dawn Stacey |
| 10:45-11:00 | Optimizing the behaviors of scientists and biomedical journal editors: Can journalology help? | David Moher |
| 11:00-11:20 | Discussion | |
| 11:20-11:40 | Coffee Break | |
| Session 2 | Making a difference with Implementation Research Provincially/Nationally | Chair: Monica Taljaard |
| 11:40-12:00 | Health Quality Ontario – Optimizing provincial feedback programs | Gail Dobell |
| 12:00-12:20 | Choosing Wisely Canada – De-implementing low value care | Janet Squires |
| 12:20-12:30 | Discussion | |
| 12:30-1:15 | Lunch | |
| 1:15-1:30 | Introduction to the afternoon sessions - Dr. Ruth Slack (University of Ottawa) - Dr. Alan Forster (The Ottawa Hospital) | |
| Session 3 | Innovations in Implementation Research | Chair: Janet Squires |
| 1:30-1:45 | Providing feedback as a means to improve health care | Jamie Brehaut |
| 1:45-2:00 | In two minds: Can we improve care by studying healthcare professionals' "fast and slow" thinking? | Nicola McCleary |
| 2:00-2:15 | Design methods and approaches in implementation research and practice | Holly Witteman |
| 2:15-2:30 | Innovative designs to evaluate implementation strategies | Monica Taljaard |
| 2:30-2:50 | Discussion | |
| 2:50-3:10 | Coffee Break | |
| Session 4 | Making a Difference with Implementation Research at The Ottawa Hospital | Chair: Jeremy Grimshaw |
| 3:10-3:25 | Using Implementation Research to understand absenteeism at The Ottawa Hospital | Jamie Brehaut |
| 3:25-3:40 | Effecting behaviour change: Getting a handle on physician hand hygiene | Kathy Suh |
| 3:40-3:55 | Real-world economic evaluation to support investment decisions: A case study of peripherally inserted central catheter lines | Kednapa Thavorn |
| 3:55-4:10 | Improving OR practice with the OR black box | Sylvain Boet/ Nicole Etherington |
| 4:10-4:25 | Discussion | |
| 4:25-4:30 | Summary and Meeting Close | Jeremy Grimshaw |

Centre for Implementation Research Members

The **Centre for Implementation Research** includes professionals from multidisciplinary fields in cognitive psychology, epidemiology, health economics, health psychology, health services research, knowledge translation science, medical sociology, medicine, nursing, population health, statistics, and other health and behavioural sciences. The interdisciplinary and complementary nature of our expertise promotes the application of a range of theories, methods and tools to a variety research areas and healthcare priorities and ensures every project is considered from multiple perspectives.



Dr. Angel Arnaout

Associate Scientist, Ottawa Hospital Research Institute
Assistant Professor, University of Ottawa



Dr. Arnaout is part of the Ottawa Breast Cancer Biomarker Research Program, whose mandate is to develop patient centered translational breast cancer research to better the lives of women struggling through the diagnosis and treatment now. Working closely with Dr. M. Clemons (a Medical Oncologist) and Dr. C. Addison (Senior Scientist at OHRI), they have formulated the ACA team, whose approach of working together means that research findings can be rapidly translated to improve the care of women in the clinic and operating room. This research includes biomarker predictors of treatment response and future metastatic disease. She leads several "window of opportunity" clinical trials with the ultimate goal of expediting drug development in breast cancer and reducing the anxiety of patients who are waiting for definitive surgical treatment. Dr. Arnaout's research is also committed to improving access and delivery of high quality care to breast cancer patients in Ontario. She is the leader of two specialty programs for breast cancer patients in Ottawa that fast track patients from diagnosis to treatment.

Disciplinary Background: surgical oncology

Research Interests: de-implementation of low- value care in cancer and surgery; translation of evidence into health care policy; population based administrative data analysis

Dr. Sylvain Boet

Associate Scientist, Ottawa Hospital Research Institute
Assistant Professor, University of Ottawa



Sylvain is cross-appointed between the anesthesia department and the department of innovation in medical innovation, and is the Founding Director of the Fellowship in Medical Education and Knowledge Translation in Perioperative Medicine and Anesthesiology. Sylvain also works as a staff anesthesiologist at The Ottawa Hospital and is an Associate Professor at the University of Ottawa. He completed his training in anesthesiology and intensive care in France in 2005, has extensive experience in pre-hospital emergency medicine, and holds a PhD of Education. Prior to joining the Ottawa team, Sylvain completed a simulation and medical education fellowship at the University of Toronto. For several years, his research investigates strategies and tools, such as debriefing or cognitive aids, to improve skill retention in healthcare. He is currently using these findings to bring education science to bedside using knowledge translation strategies to optimize patients' outcome.

Disciplinary Background: medical education, anesthesiology, critical care, prehospital emergency medicine

Research Interests: knowledge translation and implementation science; medical education; simulation; metaresearch

Dr. Jamie Brehaut

Senior Scientist, Ottawa Hospital Research Institute
Associate Professor, University of Ottawa



Jamie Brehaut holds a PhD in cognitive psychology from McMaster University. Trained in issues of human memory, attention, and cognition, he also has expertise in psychological theory, knowledge translation, judgement and decision making, decision support, and computer usability techniques. He is a Senior Scientist with the Ottawa Hospital Research Institute, and in Associate Professor in the School of Epidemiology, Public Health and Preventive Medicine at the University of Ottawa. The primary areas of his research include:

1) Applying psychological theory to problems in healthcare knowledge translation and implementation; 2) Improving the process of informed consent through application of principles from cognitive psychology and shared decision making, and 3) Understanding and modeling factors related to the health of parents of children with health problems.

Disciplinary Background: cognitive psychology

Research Interests: cognition and decision-making; cognition and decision-making; decision support; psychological theories as applied to knowledge translation/implementation science; ethics of clinical research and informed consent; health of parents of children with health problems; psychometric evaluation/tool development

Dr. Ian Graham

Senior Scientist, Ottawa Hospital Research Institute
Professor, University of Ottawa



Dr. Ian Graham is Senior Scientist in the Clinical Epidemiology Program of the Ottawa Hospital Research Institute and Professor in the department of Epidemiology & Community Medicine, of the University of Ottawa. He is an adjunct associate professor in the School of Nursing at Queen's University, Kingston, Ontario. From 2006-2012 he was on an interchange with the Canadian Institutes of Health Research where he held the position of Vice-President of the Knowledge Translation and Public Outreach. Dr. Graham obtained a Ph.D. in medical sociology from McGill University. His research focuses on knowledge translation (the process of research use) and conducting applied research on strategies to increase implementation of evidence-informed practice. He has published over 250 peer reviewed articles and is co-editor of Knowledge Translation in Health Care (2009) and Evaluating the Impact of Implementing Evidence-based Practice (2010). Ian was awarded the Queen Elizabeth II Diamond Jubilee Medal for his "leadership contributions to CIHR and for changing the way research knowledge is used and demonstrating to funding agencies around the world how to move knowledge into action."

Disciplinary Background: medical sociology

Research Interests: implementation research, integrated knowledge translation, health services research

Dr. Jeremy Grimshaw

Senior Scientist, Ottawa Hospital Research Institute
Full Professor, University of Ottawa



Jeremy Grimshaw received a MBChB (MD equivalent) from the University of Edinburgh, UK. He trained as a family physician prior to undertaking a PhD in health services research at the University of Aberdeen. He moved to Canada in 2002. His research focuses on the evaluation of interventions to disseminate and implement evidence-based practice. Dr. Grimshaw is a Senior Scientist, Clinical Epidemiology Program, Ottawa Hospital Research Institute, a Full Professor in the Department of Medicine, University of Ottawa and a Tier 1 Canada Research Chair in Health Knowledge Transfer and Uptake. He is a Fellow of the Canadian Academy of Health Sciences and a Corresponding Fellow of the Royal College of Edinburgh. He was formerly the Director of Cochrane Canada and the Co-coordinating Editor of the Cochrane Effective Practice and Organisation of Care group. He is the President of the Board of the Campbell Collaboration.

Disciplinary Background: health services research

Research Interests: professional behaviour change; implementation research, cluster randomized trials; systematic reviews

Dr. David Moher

Senior Scientist, Ottawa Hospital Research Institute
Associate Professor, University of Ottawa



Dr. David Moher is a senior scientist, clinical epidemiology program, Ottawa Hospital Research Institute, where he directs the centre for journalology (publication science) (<http://www.ohri.ca/journalology/>). Dr. Moher is also an Associate Professor, School of Epidemiology and Public Health, Faculty of Medicine, University of Ottawa, where he holds a University Research Chair. Dr. Moher holds an MSc in epidemiology and PhD in clinical epidemiology and biostatistics.

Dr. Moher has been involved in developing the science of how to optimally conduct and report systematic reviews for most of his professional career. Another part of his research has focused on how best to develop reporting guidelines. He spearheaded the development of the CONSORT statement and the PRISMA statement. He has been actively involved in the development of many other reporting guidelines and is part of the EQUATOR Network.

Dr. Moher leads an active program investigating predatory journals and publishers. More recently Dr. Moher led a program to develop core competencies for scientific journal editors. He is actively developing a program to investigate alternatives to current incentives and rewards in academic medicine. Dr. Moher has been recognized several times as a Clarivate Analytics Highly Cited Researcher (Web of Science).

Disciplinary Background: epidemiology and biostatistics

Research Interests: systematic reviews and meta-analyses; journalology (publication science).

Dr. Justin Presseau

Scientist, Ottawa Hospital Research Institute
Assistant Professor, University of Ottawa

Dr. Presseau is a Scientist and health psychologist at the Ottawa Hospital Research Institute and Assistant Professor in the School of Epidemiology, Public Health and Preventive Medicine at the University of Ottawa. He holds a Ph.D. in Psychology from the University of Aberdeen (UK). His research draws upon theories and approaches from health psychology and behavioural medicine to develop and evaluate interventions focused on changing healthcare professional behaviours and health behaviours of patients and the public.

Disciplinary Background: health psychology

Research Interests: behavioural medicine; prioritization and multiple behaviour change; knowledge translation/implementation research; health behaviour change; health care professional behaviour change; habit, routines, and automaticity; theory-based process evaluation of interventions alongside trials

**Dr. Janet Squires**

Scientist, Ottawa Hospital Research Institute
Associate Professor, University of Ottawa

Dr. Squires' research is primarily focused on improving knowledge translation by health care professionals through the design, implementation, and evaluation of theory-informed and context-optimized interventions aimed to improve healthcare professionals' use of research and research-based behaviours, to contribute to improved patient and system outcomes. Her research program has four main foci: (1) exploring the role of organizational context in knowledge translation, (2) designing and testing context-optimized knowledge translation interventions (i.e., interventions that act on and/or change context) across a variety of healthcare settings and professional groups, (3) measurement and statistical modelling, and (4) systematic reviews. She is currently involved in several nationally funded projects examining the role of context in knowledge translation and changing health care professional behaviours and in developing and testing interventions to improve knowledge translation by health care professionals across multiple settings, (e.g., increasing organ donation in adult hospitals, improve hand hygiene practice in adult hospitals, improving pain practices in pediatric hospitals, and improving resident outcomes in nursing homes).

Disciplinary Background: nursing

Research Interests: healthcare professional behaviour change; knowledge translation/implementation research; intervention design; organizational context; measurement (survey development and psychometric evaluation); quantitative and mixed methods research; systematic reviews

**Dr. Dawn Stacey**

Senior Scientist, Ottawa Hospital Research Institute
Professor, University of Ottawa

Dawn Stacey RN PhD CON(C) holds a Research Chair in Knowledge Translation to Patients and is a Full Professor in the School of Nursing at the University of Ottawa. She is a Scientist at the Ottawa Hospital Research Institute where she is Director of the Patient Decision Aids Research Group. She is the principal-investigator for the Cochrane Review of Patient Decision Aids, co-chair of the Steering Committee for the International Patient Decision Aid Standards Collaboration (IPDAS), and co-investigator for the Cochrane Review of Interventions to Improve the Adoption of Shared Decision Making. Her research program website is <http://decisionaid.ohri.ca>.

Disciplinary Background: nursing

Research Interests: knowledge translation to patients; patient decision aid development; evaluation and appraisal; decision coaching; implementation of decision aids and decision coaching into practice; telephone based- care; and interprofessional approaches to shared decision-making.



Dr. Monica Taljaard

Senior Scientist, Ottawa Hospital Research Institute
Associate Professor, University of Ottawa



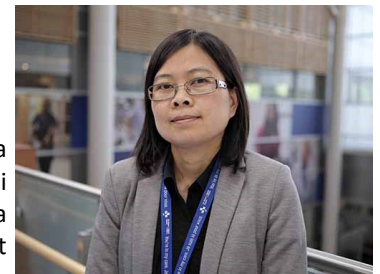
I completed my PhD degree in Biostatistics and Epidemiology under the supervision of Dr. Allan Donner and Dr. Neil Klar at Western University, London, Ontario in 2006. My PhD thesis focused on methods for dealing with missing data in cluster randomized trials. I joined the Clinical Epidemiology Program at the Ottawa Hospital Research Institute in 2006 as an Associate Scientist. I am now a Senior Scientist in the Clinical Epidemiology Program and Associate Professor in the School of Epidemiology and Public Health at the University of Ottawa. As a biostatistician and member of the Ottawa Methods Center, I work with researchers and clinicians from a variety of backgrounds in the design and analysis of cluster randomized trials, standard clinical trials, and observational studies. I have more than 180 publications in peer-reviewed journals. I have been a principal applicant, co-applicant, statistical advisor and collaborator on over 80 funded clinical and health services research projects and a total of more than \$80M in peer reviewed funding. I have served as supervisor, co-supervisor, or advisory committee member to more than 30 MSc and PhD students. I teach Biostatistics courses in the MSc program in Epidemiology and Public Health at the University of Ottawa.

Disciplinary Background: biostatistics

Research Interests: design, analysis, and reporting of cluster randomized trials; longitudinal data analysis; multilevel modelling; missing data; quasi-experimental designs; clinical prediction rules; risk-adjustment and provider profiling.

Dr. Kednapa Thavorn

Scientist, Ottawa Hospital Research Institute
Assistant Professor, University of Ottawa



Dr. Thavorn is a Scientist and a Scientific Lead of the Health Economics Unit at the Ottawa Methods Centre at the OHRI. She received her bachelor's in Pharmacy from Chiang Mai University and master's degrees in Pharmacy from Naresuan University, Thailand. She earned a doctoral degree in Health Services Research from the Institute of Health Policy, Management and Evaluation (IHPE), University of Toronto. She completed two post-doctoral fellowship programs, including Applied Pharmacoeconomics from the Li Ka Shing Knowledge Institute, St. Michael's Hospital and Health Services Research from IHPE, University of Toronto.

Disciplinary Background: health economics and pharmacy

Research Interests: health economics; health technology assessment; pharmacoepidemiology; pharmaceutical policy; health services research; health equity/access to care; health behaviours/ health promotion; medication safety; care for patients with complex needs.

Affiliated Scientists**Prof. Jill Francis**

Affiliated Senior Scientist
Ottawa Hospital Research Institute
Professor of Health Services
Research
City University of London

**Dr. Noah Ivers**

Affiliated Scientist
Ottawa Hospital Research Institute
Assistant Professor
University of Toronto

**Dr. Holly Witteman**

Affiliated Scientist
Ottawa Hospital Research Institute
Associate Professor
Department of Family and
Emergency Medicine
Université Laval



For a complete list of **CIR trainees**, please visit the **Centre for Implementation Research** website by clicking [here](#).




The Wi-Fi settings let you turn on Wi-Fi and join Wi-Fi networks.

Turn on Wi-Fi:

choose Settings > Wi-Fi and turn Wi-Fi on.

Joining a Wi-Fi network:

Choose Settings > Wi-Fi, wait a moment as your smart phone or personal computer detects networks in range, then select a network (fees may apply to join some Wi-Fi networks). If necessary, enter a password and tap Join (networks that require a password appear with a lock  icon).

Connecting to TOH Wi-Fi:

Select **TOH_GUEST** from the list of networks detected

You will be prompted to accept a certificate by opening your web browser - tap accept

A checkmark should appear next to **TOH_GUEST** indicating a successful connection

Once you've joined a Wi-Fi network manually, your smart phone or personal computer automatically connects to it whenever the network is in range. If more than one previously used network is in range, iPhone joins the one last used.

Please note that this is not a continuous service. If your device is not in use, the Wi-Fi will automatically disconnect.



Members of the **Centre for Implementation Research** are committed to training and continued development of researchers in implementation science and fostering new collaborations with researchers and stakeholders. We are always interested to hear from prospective students and collaborators whose interests might align with ours. For more information, in the first instance please contact:

Ms. Véronique Perreault

Ottawa Hospital Research Institute

501, ch. Smyth Road, L1255, Box/C.P. 711,

Ottawa, ON K1H 8L6, Canada

Email: yperreault@ohri.ca

T: 613-737-8899 Ext. 73810