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EVIDENCE BASED DEPRESCRIBING GUIDELINE SYMPOSIUM 2018

Monday, March 26th – Wednesday, March 28th 2018 - Program

Ottawa Conference and Event Centre, 200 Coventry Road, Ottawa, Ontario Canada

Monday, March 26th 2018	
7:45 – 8:30	Registration and breakfast
8:30 – 9:15	**Welcome Address** **Inaugural experiences developing deprescribing guidelines** Barbara Farrell, BScPhm, PharmD, FCSHP - Scientist, Bruyère Research Institute Over the last five years, a methodology for developing evidence-based deprescribing guidelines has been proposed and used to generate four deprescribing guidelines. In this presentation, Dr. Farrell will discuss progress with the methodology and introduce the goals of the symposium.
9:15 – 10:00	**Keynote: Why do we need a high quality method for developing deprescribing recommendations?** Kevin Pottie, MD, MClSc, CCFP, FCFP - Scientist, Bruyère Research Institute and GRADE Working Group methodologist Kevin Pottie will discuss the value of evidence based guidelines versus expert opinion based guidelines. The crux of the discussion will focus on the science and rigour of systematic reviews and systematic guideline development for clinical guidelines, curriculum and policies. The perspectives of the Guidelines International Network Methods Working Group and the GRADE Methods Working Group will inform this presentation and encourage discussion about the central role for transparent, trustworthy and rigorous clinical practice guidelines for the deprescribing field.
10:00 – 10:15	Morning Break
10:15 – 11:45	**How do we make sure guidelines are developed efficiently and effectively while meeting the needs of users?** Panel discussion: ▪ Health care provider perspective – Candra Cotton, BSc Pharm, BSc Nutrition, clinical pharmacist at the Dr. Everett Chalmers Regional Hospital ▪ Patient/public perspective – Johanna Trimble, Member, Patients for Patient Safety Canada and the BC Patient Voices Network ▪ Payor perspective – Ned Pojskic, PhD, Pharmacy Strategy Leader, Green Shield Canada (GSC) ▪ Policy perspective – Barry Jones, BPharm, Senior Policy Analyst, Health Canada Developing evidence-based guidelines takes time and energy. The perspectives of users are important to ensure that their needs are met by the guidelines that are developed. This session will help us understand the balance between rigorous guideline development and usefulness.
11:45 – 12:00	**Instructions for small working group afternoon discussions**
12:00 – 1:00	Lunch Break

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1:00 – 2:30	**Small working group discussions:** **1. Getting started on an evidence-based clinical guideline** (choice of priority therapeutic topic areas – e.g. statins, opioids) Lisa McCarthy, BScPhm, PharmD, MSc, Scientist, Women's College Research Institute at Women's College Hospital, Lise Bjerre, MD, PhD, CCFP, Scientist, Bruyère Research Institute, and Feng Chang, RPh, BScPhm, PharmD, Associate Professor, School of Pharmacy, University of Waterloo These workshops will meet the needs of those who would like to start developing a deprescribing guideline. Workshops will be organized by therapeutic category (e.g. statins, opioids). Additional topics may be chosen depending on attendee interest. Participants will use a Deprescribing Guideline Development guide to walk through steps in the development process, which include: identify potential guideline development team members, target funders, generate a PICO question, discuss methods for identifying relevant content such as benefits/harms of continuing the medication, or reducing/stopping it and to generate relevant clinical consideration questions. Each group will develop a plan to continue work on the topic following the symposium. **2. Incorporating deprescribing recommendations within existing clinical practice guidelines** Carlos R. Fernandez, BSc(Pharm), PharmD, Health Outcomes Research Consultant Most currently available prescribing guidelines do not incorporate deprescribing recommendations. The development of stand-alone evidence-based deprescribing guidelines is moving forward but this approach is expensive and time-consuming. In this session, we will brainstorm about the process and advocacy options that could be directed toward clinical guideline developers to facilitate inclusion of deprescribing recommendations within prescribing guidelines and how such initiatives could be funded. **3. Planning a GRADE deprescribing special interest group** Lisa Dolovich BScPhm, PharmD, MSc, Ontario College of Pharmacists Professorship in Pharmacy Practice, Leslie Dan Faculty of Pharmacy, University of Toronto and Kevin Pottie, MD, MClSc, CCFP, FCFP, Scientist, Bruyère Research Institute, GRADE Working Group methodologist Those who are already skilled at developing evidence-based guidelines will be interested in exploring how GRADE can be applied to deprescribing and whether modifications to GRADE tables or aspects of literature synthesis are needed. The goal for this session is to arrive at a process for completing an application for a GRADE Deprescribing Special Interest Group
2:30 – 2:45	Afternoon Break
2:45 – 4:00	**Moving deprescribing guideline initiatives forward** Panel discussion: ▪ Therapeutic topics perspective ▪ Existing clinical practice guidelines perspective ▪ GRADE deprescribing special interest group perspective This panel discussion will include perspectives from the leads of the different working groups, followed by a moderated discussion culminating with the identification of next steps to move guideline initiatives forward internationally.

4:00 – 4:15	**Reflection and next steps** Lisa McCarthy, BScPhm, PharmD, MSc - Scientist, Women's College Research Institute at Women's College Hospital We will end the day with a summary of the day's learnings and an introduction to how this material will be considered during the remaining days of the symposium.
Tuesday, March 27th 2018	
7:45 – 8:30	Registration and breakfast
8:30 – 8:45	**Welcome** James Conklin, PhD - Associate Professor, Applied Human Sciences at Concordia University We will set the stage for the day by illustrating that the problem of polypharmacy is a human problem that can have a devastating impact on people who are struggling with difficult health conditions, an impact that spreads to family members and broader social networks, and that produces challenges for health care providers.
8:45 – 9:30	**Keynote: The long and winding road: moving a good idea into routine practice** Frank Federico, RPh - Executive Director, Strategic Partners, Institute for Healthcare Improvement Deprescribing guidelines have the potential to help with the needs of a high performing health care system – including better access, improved quality and greater efficiency. The IHI International Program in Health Policy and Practice Innovations selected deprescribing guidelines as a key innovation to implement in the US. In this presentation, Frank Federico will contextualize deprescribing within the overall patient safety movement and provide an overview of the transferability of the guidelines within the US IHI Innovators Network.
9:30 – 10:30	**Learning from implementation experiences in different care contexts** Panel discussion: ▪ Vittorio Maio, PharmD, MS, MSPH, Thomas Jefferson University, the Italian experience ▪ Tonya Thomas, PharmD. Clinical Pharmacist Ascension Innovator Network member, Institute for Healthcare Improvement, the IHI experience in the United States ▪ Barbara Farrell, BScPhm, PharmD, FCSHP, Bruyère Deprescribing Guidelines team, the Ontario experience Three panelists will share their experiences in implementing deprescribing guidelines in Italian, US and Canadian health care contexts including family practices, long-term care, and institutional practices. Panelists will highlight their successes and setbacks, and will summarize key learnings. Audience members will have the opportunity to ask questions and offer comments.
10:30 – 11:00	Morning Break
11:00 – 12:15	**Deprescribing guideline implementation – what works and what doesn't: Opportunities to learn from each other** Small group discussions Participants will be invited to gather at tables to discuss a variety of topics related to implementing deprescribing guidelines health practices. Each table will have a facilitator who will help to guide the discussion and a note-taker who will capture salient points. The discussions offer an opportunity for participants to broaden their networks and to learn together about implementation opportunities and challenges. The notes from the sessions will be summarized in a report that will be made available to all participants shortly after the conclusion of the symposium.
12:15 – 1:00	Lunch Break

1:00 – 1:30	**Moving deprescribing forward – what needs to happen so deprescribing becomes a routine part of health care?** Alan Cassels, CD, MPA - Drug Policy Researcher, Faculty of Human and Social Development, University of Victoria Alan Cassels has seen the problems of polypharmacy through three lenses--as a journalist, researcher and, most recently, as a family caregiver. He'll share what he's learned in publicizing the problems of polypharmacy, his research from interviewing clinicians around challenges in deprescribing, and how knowledge, courage and compassion may not even be enough to overcome real-time barriers to cutting back on his mother's medications. Alan will make suggestions on what he thinks is needed to overcome the barriers to reducing polypharmacy, including systems-level structures that continue to feed far too much medicine to our seniors with all the harms, costs and medical consequences that result.

1:30 – 2:30	**Concurrent sessions** **1. Changing healthcare provider behaviour: how do psychological approaches help us understand barriers to deprescribing and develop de-implementation interventions?** Nicola McCleary, PhD, Postdoctoral Fellow Clinical Epidemiology Program, Ottawa Hospital Research Institute This session will outline opportunities for utilizing approaches from Health Psychology and Behavioural Science in deprescribing research. Key approaches will be discussed, including the application of dual process theories to investigate the role of habit and routines in healthcare provider practice and inform interventions to target routines impeding deprescribing. A project using theory-based audit and feedback to encourage deprescribing will also be presented. The session will provide an opportunity to discuss ways in which these approaches can be capitalized on to support deprescribing efforts. **2. What role can policy play in the implementation of deprescribing initiatives?** Justin Turner, BPharm, MClinPharm, PhD, Senior Advisor, Science Strategy, Canadian Deprescribing Network (CaDeN), Postdoctoral Fellow, Centre de recherche Institut universitaire de gériatrie de Montréal This session will investigate the potential for policy to facilitate deprescribing and how we can influence policy makers to prioritize deprescribing. An overview of international policies that have been implemented to reduce potentially inappropriate medications will be presented. An entertaining and interactive discussion will identify policies with potential to encourage or facilitate the implementation and use of deprescribing guidelines in Canada and beyond. **3. Engaging with the public – aiming for collaborative care for deprescribing** Emily Reeve, BPharm(Hons), PhD, Research Fellow, Kolling Institute of Medical Research, Northern Clinical School, Faculty of Medicine, The University of Sydney Johanna Trimble, Member, Patients for Patient Safety Canada and the BC Patient Voices Network This session looks at the importance of public engagement to facilitate the adoption and use of deprescribing guidelines. Key principles and frameworks of public engagement will be discussed with presentations from consumers. This session will provide an opportunity for attendees (particularly members of the public) to provide feedback, comments and ask questions about public engagement in deprescribing guidelines.
2:30 – 3:00	Afternoon Break

3:00 – 3:30	**Creating sustainability for deprescribing guideline implementation** Panel discussion: ▪ Collaboration and communication within and across contexts of care ▪ Policy initiatives needed for deprescribing guideline adoption ▪ Strategies for public engagement and involvement The three expert panelists who led the concurrent sessions will share ideas about the role and importance of strategies that aim at implementing deprescribing guidelines within and across contexts of care, influencing policy agendas, and promoting public engagement and involvement. The panelists will share thoughts that came up during the concurrent session discussions, and participate in a further discussion with the audience.
3:30 – 4:00	**Why deprescribing is a "wicked" problem and what to do about it** James Conklin, PhD - Associate Professor, Applied Human Sciences at Concordia University James Conklin will explain why the implementation of deprescribing guidelines is an adaptive challenge that will require a process that combines multiple tactics that unfold over a lengthy period of time. He will summarize some of the highlights from the earlier sessions, and will emphasize the importance of targeted actions that occur within the scaffolding offered by supportive groups and organizations such as IHI and CFHI. Members of the audience will have the opportunity to offer brief concluding comments.
4:30 – 6:00	**Canadian Deprescribing Network (CaDeN) Sponsored reception – wine & cheese**
Wednesday, March 28th 2018	
7:45 – 8:30	Registration and breakfast
8:30 – 8:45	**Welcome** Lalitha Raman-Wilms, BScPhm, PharmD, FCSHP - Professor and Dean, College of Pharmacy, Rady Faculty of Health Sciences, University of Manitoba The day will highlight two components: the importance of including deprescribing guideline development and the process of deprescribing into health professional curricula, as well as the effective evaluation of guideline implementation and quality improvement in clinical practice.
8:45 – 9:30	**Keynote: Deprescribing guidelines education and research – the interplay and the way to move forward** Lisa Dolovich, BScPhm, PharmD, MSc - Ontario College of Pharmacists Professorship in Pharmacy Practice, Leslie Dan Faculty of Pharmacy, University of Toronto Ivy Oandasan, MD, CCFP, MHSc, FCFP - Associate Director, Academic Family Medicine, College of Family Physicians of Canada In this session Ivy Oandasan and Lisa Dolovich will each present some reflections on the relationship between research and education including how the deprescribing guidelines or deprescribing research in general can influence curricular planning and how education and training can encourage deprescribing research. Ivy and Lisa will each take 10-15 minutes to present their thoughts followed by a 15-20 minute guided casual discussion that will engage with the larger group.

9:30 – 12:00	**Educator breakout stream**	**Researcher breakout stream**
	Learning to be a better prescriber Zubin Austin, BScPhm MBA MISc PhD FCAHS Professor and Murray Koffler Chair in Pharmacy Management This session will start with a presentation by Zubin Austin, followed by discussions in small and large groups. Participants will reflect upon the processes by which health care professionals learn to become prescribers and consider what are quality prescribing practices. This will lead to a discussion of deprescribing and strategies for teaching and of this within curricula. Working group: How do clinicians learn to prescribe and deprescribe?	**Participatory vs Expert-led Evaluation: competing factors in guideline implementation and evaluation** Malcolm Maclure, ScD - Academic Chair in Patient Safety and Professor in the Department of Anesthesiology, Pharmacology and Therapeutics at UBC Dr. Maclure will outline approaches to evaluating guideline/quality improvement implementation (e.g. design methods and outcomes). He will discuss approaches to capturing process and qualitative experiences, quality improvement, clinical and economic outcomes, while promoting participatory evaluation. This will be illustrated with an antipsychotic deprescribing case study from British Columbia with several approaches to evaluation and challenges faced striving for rigour at the same time as engaging clinicians.
Morning Break 10:30 – 11:00		**Deprescribing Research: Past and Future** Wade Thompson, PharmD, MSc, PhD (Candidate) University of South Denmark Wade Thompson will provide a brief overview of deprescribing research (e.g. clinical, economic, values/preferences) to date, with a focus on gaps in evidence . He will also highlight work done by researchers at Queen's University Belfast on developing core outcome sets for research on polypharmacy and deprescribing in older persons. **World Café: Deprescribing research priorities and important outcome measures for developing guidelines** The world café format allows for sharing of knowledge and creation of new ideas using iterations of small group discussions. In this world café, Emily Reeve and Wade Thompson will facilitate discussion on two key questions: (1) What are priorities for future deprescribing research (e.g. drug classes, patient populations, types of studies)? (2) What outcome measures are important to inform future deprescribing guidelines? Session attendees will work together in small groups to share and develop thoughts on these questions and then come together in a large group to discuss and synthesize their ideas.

12:00 – 1:00	Lunch Break	
1:00 – 2:30	**Educator breakout stream continued**	**Researcher breakout stream continued**
	Developing a national approach to quality prescribing and deprescribing Zubin Austin, BScPhm, MBA, MISc, PhD, FCAHS Professor and Murray Koffler Chair in Pharmacy Management As a guide to support the development of deprescribing curricula in health professional education, discussion will include competencies, highlights of effective teaching practices, assessment methods, and how to influence development of curricular change. Who should contribute to the drafting of the white paper and its endorsement and uptake, as well as dissemination and scholarship, will be discussed. Working group: Developing a national approach to quality prescribing and deprescribing.	**Evaluating deprescribing guideline implementation initiatives** Rapid fire presentations: Ongoing research Frank Moriarty, BSc (Pharm), MPharm, PhD, MPSI HRB Centre for Primary Care Research, Ireland This session will focus on how the effectiveness of deprescribing guideline implementation can be evaluated, including both implementation success and the outcomes of implementation. Firstly, there will be rapid presentations from researchers who have evaluated deprescribing guideline implementation. They will share their evaluation approach/methods and findings, which will provide attendees with an overview of previous research that has been conducted in this field. This will be followed by a World Café, which aims to identify optimal methods and approaches for evaluating different aspects of deprescribing guideline implementation. Selected day three registrants will be invited to present short, high-level overviews of completed, ongoing or upcoming work in evaluating deprescribing initiatives. Frank Moriarty will facilitate discussion between presenters and other session attendees to allow opportunities to learn from the experiences of others and for future collaboration on evaluation projects. **World Café: Evaluating the implementation and effectiveness of deprescribing guidelines** In this final café, Emily Reeve and Wade Thompson will facilitate discussion on identifying methods and approaches for evaluating implementation of deprescribing initiatives moving forward. Discussions will focus on topics such as study design, evaluating the process and outcomes of implementation and what 'successful' implementation might look like.
2:30 – 3:00	Afternoon Break	

3:00 – 3:45	**Reconvening for summary, reflection and next steps** **Educator stream:** Zubin Austin, BScPhm, MBA, MISc, PhD, FCAHS - Professor and Murray Koffler Chair in Pharmacy Management **Researcher stream:** Frank Moriarty, BSc (Pharm), MPharm, PhD, MPSI - HRB Centre for Primary Care Research, Ireland **Reflection and next steps:** Lalitha Raman-Wilms, BScPhm, PharmD, FCSHP - Professor and Dean, College of Pharmacy, Rady Faculty of Health Sciences, University of Manitoba Leads from each of the Educator and Research streams, Zubin Austin and Frank Moriarty, will share a summary of key learnings from the day. We end the day with Lalitha Raman-Wilms speaking to the interplay between research and teaching and implications for future work related to deprescribing in these areas.
3:45 – 4:00	**Closing remarks** Barbara Farrell, BScPhm, PharmD, ACPR, FCSHP Scientist, Bruyère Research Institute

Bios ordered alphabetically

Alan Cassels, CD, MPA - Drug Policy Researcher with the Faculty of Human and Social Development at the University of Victoria

Alan Cassels is an author, drug policy researcher and Adjunct Professor in the School of Human and Social Development at the University of Victoria. Since 1994 he has worked on a research and evaluation studies focusing on drug benefits policies and examining how clinical research and experience on drugs is communicated to policy-makers, prescribers and consumers. He has acted as a project manager, principal investigator and co-investigator on studies related to drug plan policies, the management of private drug benefits, seniors' attitudes towards drug coverage, and the media reporting of pharmaceuticals.

He is an expert advisor with Canada's Evidence Network, a reviewer and blogger for HealthNewsReview.org which evaluates medical news reporting, and is the senior vice president of research for Quizzify.com, a company that teaches employees how to buy and use healthcare.

As the author of four books, including a best seller on the pharmaceutical industry, Alan Cassels has also carried his enthusiasm for his topic into print and radio journalism in many venues in the popular press.

Barbara Farrell, BScPhm, PharmD, FCSHP - Scientist, Bruyère Research Institute

Dr. Barbara Farrell is passionate about deprescribing – especially for the frail elderly. As a pharmacist working in the Bruyère Geriatric Day Hospital, she sees many older people often taking more than 20 medications a day. Working closely with physicians, an interprofessional team and the patients and their families, she is able to help reduce or stop medications safely. More frequently than not, this helps patients feel better, be less confused, fatigued and dizzy. These experiences prompted Dr. Farrell to pursue research in the field of deprescribing and models that improve medication-related care for older people.

Dr. Farrell is currently a scientist with the Bruyère Research Institute and the CT Lamont Primary Health Care Research Centre, an Assistant Professor with the Department of Family Medicine, University of Ottawa, and an Adjunct Assistant Professor with the School of Pharmacy, University of Waterloo. She is also a member of the Ontario Pharmacy Research Collaboration.

In 2011, Dr. Farrell was named the Canadian Pharmacist Association's "Pharmacist of the Year" for her work in pharmacist education, patient-centred care and research.

Barry Jones, BPharm, Senior Policy Analyst, Health Canada

Barry Jones graduated with a Pharmacy degree at the University of London, UK. He spent several years as the Chief Pharmacist for Phoenix Group Pharmacies in Bermuda, before operating a successful Pharmacy business there. He is a former president of the Bermuda Pharmaceutical Association. Since returning to Canada with his family, Barry has been employed with Health Canada and has worked in areas of pre-market activities, post-market surveillance and controlled substances. Presently, Barry is a Senior Policy Analyst with the Office of Pharmaceutical Management Strategies (OPMS) within the Strategic Policy Branch (SPB). His areas of expertise include expensive drugs for rare diseases (orphan drugs), personalised medicine (and targeted therapies), pricing of pharmaceuticals, market access and R&D strategies, biosimilars, and free trade agreements.

Candra Cotton, BSc Pharm, BSc Nutrition, clinical pharmacist at the Dr. Everett Chalmers Regional Hospital

(Bio unavailable)

Carlos R. Fernandez, BSc(Pharm), PharmD, Health Outcomes Research Consultant

(Bio unavailable)

Emily Reeve, BPharm (Hons), PhD

Emily Reeve's research focuses on optimizing medication use in older adults and people with dementia. Emily is a qualified pharmacist with experience working as a clinical pharmacist at the Royal Adelaide Hospital. She completed her doctoral training at the University of South Australia in 2013 and was awarded the medal for her thesis from the School of Pharmacy and Medical Sciences. Emily is currently an NHMRC-ARC Dementia Research Fellow (commenced 2016). The project is being conducted in collaboration with the Deprescribing in the Elderly Project group at the Bruyère Research Institute.

Dr Reeve was the guideline lead for the Evidence-based Clinical Practice Guideline for Deprescribing Cholinesterase Inhibitors and Memantine.

Feng Chang, RPh, BScPhm, PharmD, Associate Professor in School of Pharmacy, University of Waterloo

Dr. Chang is an Associate Professor at the University of Waterloo School of Pharmacy whose research focuses on chronic pain, opioid use and caring for vulnerable older adults in rural primary care settings. She is a clinical pharmacist with the Huron Community Family Health Team and Chair of Rural Pharmacy with Gateway Centre of Excellence in Rural Health. She served on Health Canada's Scientific Advisory Panel on Opioids (SAP-OPIOIDS) in 2016.

Frank Federico, RPh - Executive Director, Strategic Partners, Institute for Healthcare Improvement

Frank Federico, works in the areas of patient safety, application of reliability principles in health care, preventing surgical complications, and improving perinatal care. He is faculty for the IHI Patient Safety Executive Training Program and co-chaired a number of Patient Safety Collaboratives. Prior to joining IHI, Mr. Federico was the Program Director of the Office Practice Evaluation Program and a Loss Prevention/Patient Safety Specialist at Risk Management Foundation of the Harvard Affiliated Institutions, and Director of Pharmacy at Children's Hospital, Boston. He has authored numerous patient safety articles, co-authored a book chapter in Achieving Safe and Reliable Healthcare: Strategies and Solutions, and is an Executive Producer of "First, Do No Harm, Part 2: Taking the Lead." Mr. Federico serves as Vice Chair of the National Coordinating Council for Medication Error Reporting and Prevention (NCC-MERP). He coaches teams and lectures extensively, nationally and internationally, on patient safety.

Frank Moriarty, BSc (Pharm), MPharm, PhD, MPSI - Postdoctoral researcher, honorary lecturer

Frank Moriarty is a research pharmacist and postdoctoral researcher at the HRB Centre for Primary Care Research at the Royal College of Surgeons in Ireland (RCSI). The HRB Centre is the national centre for research in primary care in Ireland and aims to enhance patient safety in terms of prescribing, diagnostic and therapeutic approaches to patient care by utilizing information and communication technology. Frank is also an honorary lecturer at School of Pharmacy, RCSI, and a visiting research fellow and medications group lead at The Irish Longitudinal Study on Ageing (TILDA). His research is primarily focused on using observational methods to evaluate medication safety and quality of care.

Ivy Felicidad Oandasan, MD MHSc CCFP FCFP

Ivy Oandasan is a Full Professor with the Department of Family and Community Medicine at the University of Toronto. An active family physician who practices at the Toronto Western Hospital, she has been involved in teaching and research since 1997. Dr. Oandasan's main scholarship has been in curriculum development, evaluation and research related to competency based education, family medicine education, and interprofessional education.

Dr. Oandasan was the inaugural Director of the Office of Interprofessional Education at the University of Toronto (U of T) (1996). She led the development of the requisite IPE curriculum for all of U of T's health professional students, now used internationally as an example for how to implement curriculum change. She was the Co-Chair for Health Force Ontario's Interprofessional Blueprint for Action that advanced a systems approach to implement IPE and IPC across Ontario and led the national research team funded by Health Canada that developed a theoretical framework used worldwide on Interprofessionality: the field of study exploring interprofessional practice and interprofessional education. Now, as the Director of Education at the College of Family Physicians of Canada (CFPC), the national certifying and accrediting body for family medicine, she is charged with enhancing undergraduate and postgraduate family medicine education supporting the development of family physicians who can meet societal needs.

She was one of the Co-Chairs for the Future of Medical Education in Canada – Postgraduate Medical Education Project and the Co-Chair of the National Steering Advisory Committee for the Royal College's CanMEDs 2015 review. Believing that health professions education is a health system intervention, Dr. Oandasan's burning platform remains to foster a generation of competent and caring healthcare professionals who believe in the practice of interprofessional patient-centred care and are ready to meet the evolving healthcare needs of Canadians. She grounds her knowledge and practice through her work as a clinician, educator, researcher, administrator, and leader.

James Conklin, PhD - Associate Professor, Applied Human Sciences at Concordia University

James Conklin is a professor, researcher and consultant whose work focuses on planned social change. From 2013 to 2016 he was co-leader of the knowledge translation and exchange team for the OPEN research program, which focused on transforming pharmacy practice in Ontario. James's research and consulting relies on sensemaking and social learning frameworks and qualitative methods. He won the 2016 Concordia University Research Communicator of the Year (National) award and the 2012 Alumni Award for Excellence in Teaching. James is an investigator at the Bruyere Research Institute in Ottawa, and is a researcher with engAGE, Concordia's Centre for Research on Aging.

Johanna Trimble, Member, Patients for Patient Safety Canada and the BC Patient Voices Network

Johanna Trimble is a member of several patient groups advocating for patient safety and better care. Included are Patients for Patient Safety Canada and the BC Patient Voices Network. Issues of overmedication of elders and adverse drug events drive her passion for the work.

She has served on the provincial Polypharmacy Risk Reduction Initiative for five years and has a faculty appointment with the Call for Less Antipsychotics in Residential Care Initiative at the BC Patient Safety and Quality Council (BCPSQC). She received a provincial appointment as a council member of the BCPSQC in 2016. As well, she received the Canadian Individual Champion Award (2016) for her volunteer work from the Canadian Patient Safety Institute and HealthCareCAN. She serves as the public member on the Geriatrics and Palliative Care Committee with Doctors of BC.

Johanna teaches first year medical students as an Honorary Lecturer in Community Geriatrics for the Department of Family Practice at the University of British Columbia, Canada. As well, she has taught in the PharmD program for the past two years on medication issues in Residential Care and the importance of family involvement. She is a team member in research studies at both UBC and McMaster University.

Justin Turner, BPharm, MClinPharm, PhD, Senior Advisor, Science Strategy, Canadian Deprescribing Network (CaDeN), Postdoctoral Fellow, Centre de recherche Institut universitaire de gériatrie de Montréal

Dr Turner's passion for deprescribing comes form his work as a pharmacist in hospitals, community, aged care and policy sectors across Australia and the United Kingdom. Justin moved to Canada with his family in 2015 searching for snow and the answer to the question, "How can we improve medication use in older adults?" In an attempt to answer this question, Dr Turner is currently involved with a number of deprescribing initiatives across Canada, building upon his research interests in pharmacoepidemiology, quantitative, qualitative and policy based research. As the Senior Advisor, Science Strategy for the Canadian Deprescribing Network, Dr Turner is passionate about implementing deprescribing initiatives and measuring outcomes that matter for older adults at an individual and community level.

Kevin Pottie, MD, MClSc, CCFP, FCFP - GRADE Working Group methodologist

Kevin Pottie is a Clinician Scientist at the C.T. Lamont Primary Health Care Research Centre, and at the Bruyère Research Institute. Dr. Pottie is an Associate Professor in the Departments of Family Medicine and the School of Epidemiology, Public Health and Preventive Medicine at the University of Ottawa. Dr. Pottie is also a member of the Campbell and Cochrane Equity Methods Group, the WHO Guideline Review Committee and the Canadian Task Force on Preventive Health Care. He currently leads the European Union Evidence Based Guidelines for Newly Arriving Migrants and the Canadian Collaboration for Immigrant and Refugee Health and practices as a family physician.

Lalitha Raman-Wilms, BScPhm, PharmD, FCSHP - Professor and Dean, College of Pharmacy, Rady Faculty of Health Sciences, University of Manitoba

Lalitha Raman-Wilms is the Dean, College of Pharmacy, at the University of Manitoba. Her research interests include management of polypharmacy in the elderly through deprescribing and medication optimization, as well as curriculum development. She has many years of patient care experience in hospital and in community practice. Lalitha has been recognized for her teaching through many awards, including the Association of Faculties of Pharmacy of Canada's National Award for Excellence in Education. She is editor-in-chief of a consumer information book on medications: CPhA's Guide to Drugs in Canada. She is the past president of the Association of Faculties of Pharmacy of Canada and is a fellow of the Canadian Society of Hospital Pharmacists.

Lisa Dolovich, BScPhm, PharmD, MSc - Ontario College of Pharmacists Professorship in Pharmacy Practice, Leslie Dan Faculty of Pharmacy, University of Toronto

Dr. Lisa Dolovich is a Professor and holds the Ontario College of Pharmacists Professor in Pharmacy Practice at the Leslie Dan Faculty of Pharmacy at the University of Toronto.

Lisa is also a Professor (part-time) in the Department of Family Medicine at McMaster University and an Associate Professor (Adjunct) with the School of Pharmacy at the University of Waterloo. The areas of focus for her research work and expertise include the pharmacist integration into primary care team based practice, expanded professional pharmacy services, the patient perspective about using or deciding to use medications, and evaluating the implementation including clinical and policy relevance of complex interventions that can improve the delivery and outcomes of primary health care including medication prescribing and patient medication taking behaviour. Her work is focused mainly in the community based primary health care setting including how individuals manage their health where they live. She is particularly interested in how a person's goals, priorities, needs and risks can be better understood by the health care team as a driver for improvements in health care delivery and health.

Lisa McCarthy, BScPhm, PharmD, MSc, Scientist, Women's College Research Institute at Women's College Hospital, Lise Bjerre, MD, PhD, CCFP, Scientist, Bruyère Research Institute, and Feng Chang, RPh, BScPhm, PharmD, Associate Professor, School of Pharmacy, University of Waterloo

Lisa is a pharmacist and Scientist with the Women's College Research Institute in Toronto. She is a member of the Deprescribing Guidelines for the Elderly Project Team and served on Guideline Development Teams for antipsychotics and antihyperglycemics. In addition, she is an Executive Member of the Ontario Pharmacy Evidence Network and an Assistant Professor (status) at the Leslie Dan Faculty of Pharmacy and Department of Family and Community Medicine at the University of Toronto. The goal of her research program, to optimize medication experiences for adults living in their communities, is founded on her roots as a pharmacist.

Lise M. Bjerre, MD, PhD, CCFP, Scientist, Bruyère Research Institute, and Feng Chang, RPh, BScPhm, PharmD, Associate Professor, School of Pharmacy, University of Waterloo

Dr. Lise M. Bjerre is an epidemiologist and a practicing family physician. She is a researcher with the Department of Family Medicine at the University of Ottawa and the Bruyère Research Institute, and a staff physician at the Civic Family Health Team of the Ottawa Hospital. Her program of research focuses on medication appropriateness in primary care and, in particular, on potentially inappropriate prescribing (PIP) in seniors, its identification using clinical tools and health administrative data, and its effects on patient outcomes and on the use of health care resources at the population level.

Malcolm Maclure, ScD - Academic Chair in Patient Safety and Professor in the Department of Anesthesiology, Pharmacology and Therapeutics at UBC

Malcolm Maclure, is the BC Academic Chair in Patient Safety and Professor in the Department of Anesthesiology, Pharmacology and Therapeutics at UBC. Malcolm is the principal investigator of the interprovincial Academic Detailing Evaluation Partnership Team (ADEPT), a co-investigator with the Canadian Network for Observational Drug Effects Studies (CNODES) and co-investigator of the evaluation of Island Health Authority's Stroke Rapid Assessment Unit. He is a member of the Patient Safety and Quality Working Group for Curriculum Renewal of the UBC Medical Undergraduate Program.

Ned Pojskic, HonBSc, MSc, PhD, Pharmacy Strategy Leader, Green Shield Canada (GSC)

Ned Pojskic is the Pharmacy StrategyLeader at Green Shield Canada (GSC). In this role he is responsible for setting GSC's strategic direction in pharmacy benefits management, including formulary design and management, pricing and policy. In addition, Ned is responsible for stakeholder relations with both the pharmacy and pharmaceutical industry. Ned brings a wealth of experience in policy, advocacy, and government relations through his previous role as the Director of Health Policy at the Ontario Pharmacists Association. Ned holds Masters and PhD degrees from the Department of Pharmaceutical Sciences at the University of Toronto. He is currently appointed as an Adjunct Professor (Status) at the Leslie Dan Faculty of Pharmacy in the University of Toronto.

Nicola McCleary, PhD, Postdoctoral Fellow Clinical Epidemiology Program, Ottawa Hospital Research Institute

Dr. Nicola McCleary is a Post-Doctoral Fellow with the Ottawa Health Psychology and Behavioural Medicine Group and the Centre for Implementation Research at the Ottawa Hospital Research Institute, and with the University of Ottawa. She completed her PhD at the University of Aberdeen in Scotland and has expertise in Health Psychology and Health Services Research. Dr McCleary's research involves using behavioural approaches to i) understand barriers to healthcare provider behaviour change, and ii) investigate the mechanisms of action underlying behaviour change interventions. She is particularly interested in the application of dual process models to understand the influence of habit and routines on the provision of healthcare.

Tonya Thomas, PharmD. Clinical Pharmacist Ascension Innovator Network member, Institute for Healthcare Improvement,

(Bio unavailable)

Vittorio Maio, PharmD, MS, MSPH - Clinical Pharmacist and Research Professor of Population Health at Thomas Jefferson University, Philadelphia, PA

Vittorio Maio is Research Professor at the Thomas Jefferson University College of Population Health. He is also Director of the Health Economics & Outcomes Research Fellowship program. Dr. Maio's research interests are in the areas of outcomes analysis and medication usage and policy. He has published more than 50 papers in peer-reviewed journals and presented his research at many national and international health conferences. Maio is Associate Editor of the American Journal of Medical Quality and serves as a reviewer for several professional journals, including JAMA-Internal Medicine, The Lancet, Pharmacoepidemiology & Drug Safety and Drugs & Aging. Dr. Maio received his Doctor of Pharmacy degree from the University of Perugia (Italy), took the Italian Pharmacist Board Certification and received both his MS in Pharmacology and his MS in Public Health from Thomas Jefferson University. He teaches Pharmacoepidemiology in the MS in Pharmacology program for the trainees in the National Institutes of Health (NIH) K30 Training Program.

Wade Thompson, PharmD, MSc - PhD Fellow

Wade Thompson is a PhD fellow at the University of Southern Denmark in the Research Unit of General Practice. He is also a pharmacist with experience providing pharmaceutical care to older persons in both long-term care and primary care. He contributed to development of several deprescribing guidelines and completed MSc work related to proton pump inhibitor deprescribing.

Zubin Austin, BScPhm MBA MISc PhD FCAHS Professor and Murray Koffler Chair in Pharmacy Management

Zubin Austin is Professor and Murray Koffler Chair in Management at the Leslie Dan Faculty of Pharmacy, University of Toronto. His research focuses on the professional and personal development of the health human resources workforce, with particular interests related to internationally educated health professionals. He has published over 120 peer reviewed manuscripts and authored three reference texts. He has received numerous awards for his research from Canadian and international organizations, and in 2017 was installed as a Fellow of the Canadian Academy of Health Sciences in recognition of the impact of his work. He is also an award winning educator having received the Province of Ontario's Leadership in Faculty Teaching Award, the University of Toronto's President's Teaching Award, and he has been named undergraduate Professor of the Year by students on 17 separate occasions.