

WORLD HEALTH ORGANIZATION COLLABORATING CENTRE

*GOVERNANCE, ACCOUNTABILITY & TRANSPARENCY
IN THE PHARMACEUTICAL SECTOR*

Annual Report
October 2018 to 2019

Director
Dr. Jillian C. Kohler

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WHO WE ARE

This WHO CC involves the following multidisciplinary team of directors, faculty members, and research fellows:

Directors

DR. JILLIAN C. KOHLER
Director

*Leslie Dan Faculty of Pharmacy
University of Toronto*

DEIDRE DIMANCESCO
Technical Director

*Medicines Policy, Access & Rational Use
World Health Organization*

Research Fellows at University of Toronto

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*Professor
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DR. JOEL LEXCHIN

*Associate Professor
Faculty of
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*Professor
Munk School of Global
Affairs*

DR. NAV PERSAUD

*Scientist
Li Ka Sing Knowledge
Institute*

Research Fellows Outside University of Toronto

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GAGNON**

*Associate Professor
School of Public
Policy & Administration
(Carleton University)*

DR. TIM MACKEY

*Associate Professor
School of Medicine
(University of California)*

DR. KATHY MOSCOU

*Adjunct Professor
Faculty of Applied Health
Sciences
(Brock University)*



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Workshops & Seminars

July 31, 2019

Seminar: The Invisible Interactions Between Nurses and Industry: Implications for Patient Care

This seminar was presented by **Dr. Quinn Grundy** (University of Toronto) as an invited speaker at the Power of an Hour, UHN seminar in Toronto Western Hospital.

July 2019

Seminar: Myths and Realities About Why US Drug Prices are so High

This seminar was presented by **Dr. Joel Lexchin** (University of Toronto) at Said Business School in Oxford University.

June 6, 2019

Workshop: Towards a Comprehensive, Integrated Framework for Advanced Statistical Analyses of Observational Studies

This was a workshop presented by **Dr. Suzanne Cadarette** (University of Toronto) at the Banff International Research Station in Banff, Alberta.

May 14, 2019

Seminar: The Invisible Interactions Between Nurses and Industry: Implications for Patient Care

This seminar was presented by **Dr. Quinn Grundy** (University of Toronto) as an invited speaker at the Power of an Hour, UHN seminar in Toronto Western Hospital.

March 28, 2019

Seminar: Trade Agreements and Access to Affordable Medicines: From TRIPS to the USMCA

February 28, 2019

Workshop: Introduction to International Human Rights to Health and Housing

This workshop was given by **Dr. Lisa Forman** (University of Toronto) at the Collaborative Specialization in Public Health Policy, Public Health Policy Winter Institute Workshop: Mental Health, Affordable Housing, and Human Rights.

February 26-28, 2019

Event: Consultation for a Proposed Global Network on Anti-Corruption, Transparency and Accountability in Health Systems

Dr. Jillian Kohler (WHO CCGAT Director), **Deidre Dimancesco** (WHO CCGAT Technical Director) and **Dr. Tim Mackey** (WHO CCGAT Research Fellow) were in attendance and also involved with the organization and development of this WHO-led event in Geneva. This event brought together over 100 stakeholders including policy makers, government officials, researchers and representatives from civil society from around the globe to focus on the issue of how to implement anti-corruption, transparency and accountability in the health sector. The Consultation was led by three United Nations institutions - the WHO, the Global Fund, and the United Nations Development Programme, emphasizing the importance of this issue.

February 7, 2019

Seminar: Conflicts of Interest in Clinical Practice: Understanding Marketing to Nurses, the Most Trusted Profession

This seminar was presented by **Dr. Quinn Grundy** (University of Toronto) as an invited speaker at the Seeman Health Law, Policy and Ethics Seminar Series hosted by the Faculty of Law at the University of Toronto.

November 20, 2018

Plenary: Global Governance Issues Affecting Health: A Crucial Challenge for These Times

This plenary session at the Canadian Conference on Global Health was chaired by Dr. Dinsie Williams (University of Toronto) and attended by Alma Balcázar (GRC Compliance, Colombia), Dr. Anne-Emanuelle Birn (Dalla Lana School of Public Health), and **Dr. Jillian Kohler** (WHO CCGAT Director).

November 19, 2018

Seminar: The Pharmaceutical Business Principles – An Initiative to Build Integrity Within the Pharmaceutical Industry in Latin America

This seminar was presented by Alma Balcázar (Consultant, Government, Risk and Compliance Governance and Anti-Corruption, Colombia).

November 15, 2018

Seminar: Health and Human Rights for All? Interrogating the Right to Health in an Age of Universal Health Coverage

This seminar was presented by **Dr. Lisa Forman** (University of Toronto) at the DLSPH Collaborative Seminar in Global Health.

November 02, 2018

Seminar: Pharmaceutical Ghost Management Versus Transparency

This internal seminar was presented by **Dr. Marc-André Gagnon** (Carleton University) for the School of Public Policy and Administration at Carleton University in Ottawa.

October 9, 2019

Plenary: Technology for Illicit Drugs

This plenary session was attended by **Dr. Tim Mackey** (University of California) at the Public Safety Canada Fall 2019 Law Enforcement Roundtable on Illicit Drugs in Winnipeg, Manitoba.

2018-2019

Committee Work: Health Canada Expert Advisory Group on Marketing of Opioids

Dr. Trudo Lemmens (University of Toronto) is a committee member.

Courses

July 11-12, 2019

Summer Course: Combatting Corruption and Promoting Equity in the Health Sector

This course on good governance and transparency in medicines was developed by **Dr. Jillian Kohler** (WHO CCGAT Director) and **Dr. Tim Mackey** (University of California) in collaboration with the WHO/EMP. This course includes course faculty from the WHO, PAHO, and Headquarters and be open to students at the University of Toronto as well as international students. This course is mobile and depends on the interest of regional and country counterparts and other Collaborating Centres. The WHO helps provide input and select participants to this course. Ideally, this course will also be offered overseas every two years and where funding is available, course material will be translated. We envision this course to be part of knowledge sharing and collaboration on research and training areas of mutual interest with other WHO Collaborating Centres.

This year, the summer course was given at the University for Southern California – San Diego. Through a masterclass, lectures, case studies, panel sessions, and a group change design workshop with leading global experts from the WHO CC, USAID, UNDP, and the World Bank, participants learned about how corruption manifests in the health sector, how it undercuts health and equity goals, and how anti-corruption, transparency and accountability (ACTA) strategies can be used to mitigate corruption in the health sector.

September – November 2018

Course: Diagnosing Corruption in the Health Sector and Anti-Corruption Policies and Tools

This course was developed by **Dr. Jillian Kohler** (WHO CCGAT Director) and approved by the Leslie Dan Faculty of Pharmacy Curriculum Committee in June 2018. It was cross listed with the Munk School of Global Affairs and Public Policy and the Dalla Lana School of Public Health at the University of Toronto. The course was offered to graduate students across the University of Toronto for the Fall 2018 term.

The course introduced students to the core concepts associated with corruption and corruption within the health sector, with a specific focus on the pharmaceutical sector. Students learned the characteristics of corruption and how it manifests in the health and pharmaceutical sectors, the various anti-corruption, transparency, and accountability strategies used by international organizations to address corruption, and the strengths and weaknesses of schools of thought in the corruption and health literature and policy.

Students were evaluated on course participation, a research paper, and a presentation related to their research. The research paper and presentation provided students the opportunity to further probe an area of interest.

Course topics included:

1. What is Corruption and its Impact?
2. Global Institutions and Anti-Corruption Efforts
3. Corruption Facilitators in the Health Sector
4. Tackling Corruption in Healthcare Procurement
5. The Role and Limits of Ethical Codes for the Pharmaceutical Industry and for Health Professionals
6. Good Governance as an Anti-Corruption Tool
7. Leveraging the Sustainable Development Goals (SDGs) to Tackle Pharmaceutical Corruption
8. Conflict of Interest and Corruption in the “Governance” of Public-Private Relationships for Non-Communicable Disease Prevention (Speaker: **Dr. Erica Di Ruggerio** [WHO CC Research Fellow])

Presentations

October 19, 2019

Presentation: AI for All? The Ethics of Artificial Intelligence in Global Health

This presentation was accepted for the 25th Canadian Conference for Global Health in Ottawa. Authors: Murphy, K., **Di Ruggiero, E.**, Upshur, R., Willison, D., Malhotra, N., Cai, J., Malhotra, N., Lui, V., & Gibson, J.

October 17, 2019

Presentation: Human Rights and Universal Health Coverage

This presentation was given by **Dr. Lisa Forman** (University of Toronto) at the opening plenary of the Canadian Society for International Health Conference 2019, in Ottawa.

October 17, 2019

Presentation: Governing Measurement in the SDG Area: Lessons Learned from Two Case Examples

This presentation was given by **Dr. Erica Di Ruggiero** (University of Toronto) at the 25th Canadian Conference for Global Health in Ottawa.

October 08, 2019

Presentation: Financing the Public Provision of Prescription Drugs in Canada: Comparison and Assessment of Financing Options

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) for PHRM 4470 (with Dr. Jamison Falk) at the Faculty of Pharmacy, University of Manitoba in Winnipeg.

October 06, 2019

Presentation: What Federal Action is Needed for Long Term Care, Pharmacare, and for a Health Environment

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) at a Town Hall Presentation organized by the Ottawa Health Coalition in Ottawa.

October 3, 2019

Presentation: Finding a Needle in a Haystack? Using Historical Twitter Data to Characterize the 2015 Indiana HIV Outbreak

This presentation was given by **Dr. Tim Mackey** (University of California) at The Global Public Health HIV & Substance Use Research Seminar in San Diego, CA.

October 02, 2019

Presentation: Le Temps est-il Venu pour un Régime Public Universel d'Assurance-Médicaments?

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) at the H-Pod 5 à 7, Hub Santé – Politique, Organisations et Droit in the University of Montreal.

October 02, 2019

Presentation: Beyond Physicians and the Pharma: Re-Thinking Conflicts of Interest on the Frontlines

This presentation was given by **Dr. Quinn Grundy** (University of Toronto) as an invited speaker at Toronto Western Hospital, University Health Network, in Toronto.

September 24, 2019

Presentation: 2020 and Beyond: The Role of the Federal Government in Optimizing Healthcare

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) for a panel organized by HEAL (Organizations for Health Action) in Ottawa.

September 24, 2019

Presentation: Leveraging Big Data and Machine Learning to Detect Illegal and Counterfeit Sales of Drugs, Wildlife, and Consumer Goods

This presentation was given by **Dr. Tim Mackey** (University of California) at the Brand Protection Strategy Summit 2019 in Lansing, Michigan.

September 24, 2019

Presentation: Spark Tables: Academic Showcase, Machine Learning for Brand Protection.

This presentation was given by **Dr. Tim Mackey** (University of California) at the Brand Protection Strategy Summit 2019 in Lansing, Michigan.

September 23, 2019

Presentation: The Commercial Determinants of Health: Why Nurses Need to “Follow the Money”

This presentation was given by **Dr. Quinn Grundy** (University of Toronto) at the SUNY Delhi and Sigma Theta Tau Chapter Chi Tau in Delhi, NY.

September 22, 2019

Presentation: Detection and Characterization of Illicit Digital Drug Dealers on Multiple Social Media Platforms Using Machine Learning Approaches

This presentation was given by **Dr. Tim Mackey** (University of California) at Medicine X | CHANGE 2019 in the School of Medicine at Stanford University.

September 21, 2019

Presentation: Le Régime Hybride Public-Privé d’Assurance-Médicaments au Québec: Constat d’Échec et Nécessité de Réforme

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) at the Congrès de l'Union des Employés de Service in Pointe-Claire, Québec.

September 18, 2019

Presentation: Blockchain for Health: A Primer and Case Studies

This presentation was given by **Dr. Tim Mackey** (University of California) at the American College of Healthcare Executives/San Diego Organization of Healthcare Leaders Executive Program in San Diego, CA.

September 17, 2019

Presentation: Reforming Public Drug Coverage in Canada: Performance, Models and Assessment of Financing Options

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) as a webinar for Drug Safety and Effectiveness Cross-Disciplinary Training at the University of Manitoba, Winnipeg.

September 11, 2019

Presentation: Research Update: Machine Learning and Opioids and Antibiotics Test Buy Study

This presentation was given by **Dr. Tim Mackey** (University of California) at the Alliance for Safe Online Pharmacies Annual All-Hands Strategy Meeting in Washington, DC.

September 7, 2019

Presentation: Prix, Accès, Régulation et Gestion Fantôme dans le Secteur Pharmaceutique

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) as a keynote speaker for the Annual Conference of Association des Neurologues du Québec in Estérel, Québec.

September 2019

Panel Presentation: Panel on Funding by the Industry

Dr. Joel Lexchin (University of Toronto) was a panelist at the International Public Health Forum on Cannabis in Québec City.

September 2019

Presentation: The Pricing of Pharmaceuticals in Canada Compared to Other Countries

This presentation was given by **Dr. Joel Lexchin** (University of Toronto) at the Guelph Wellington Men's Club in Guelph.

August 22, 2019

Presentation: Basic Publication Strategies in Academic Research

This presentation was given by **Dr. Tim Mackey** (University of California) at Kyoto University, School of Public Health in Kyoto, Japan.

August 22, 2019

Presentation: Exploring the Intersection Between Policy, Technology and Global Health from a Multidisciplinary Perspective

This presentation was given by **Dr. Tim Mackey** (University of California) at Kyoto University, School of Public Health in Kyoto Japan.

August 2019

Presentation: Using Active Comparators in Self-Controlled Studies [Abstract]

This was an oral presentation at the International Conference on Pharmacoepidemiology and Therapeutic Risk Management in Philadelphia, Pennsylvania. Authors: Hallas J, Cadarette SM, Pratt N, Delaney JA, Whitaker H, Maclure M.

August 2019

Presentation: Impact of the October 2016 Policy Change on the Delivery of MedsCheck Annual and MedsCheck Diabetes Services in Ontario Community Pharmacies [Abstract]

This was a poster presentation at the International Conference on Pharmacoepidemiology and Therapeutic Risk Management in Philadelphia, Pennsylvania. Authors: Shakeri A, Dolovich L, MacCallum L, Gamble JM, Zhou L, Cadarette SM.

July 10, 2019

Presentation: Defining and Measuring Corruption: Challenges and Strategies. Combatting Corruption and Promoting Equity in the Health Sector

This presentation was given by **Dr. Tim Mackey** (University of California) at the UC San Diego – University of Toronto – WHO Collaborating Centre for Governance, Accountability and Transparency in the Pharmaceutical Sector Workshop, UC San Diego, San Diego, CA.

July 10, 2019

Presentation: How the Health Sector is Vulnerable to Corruption: Case Studies

This presentation was given by **Dr. Tim Mackey** (University of California) at the UC San Diego – University of Toronto – WHO Collaborating Centre for Governance, Accountability and Transparency in the Pharmaceutical Sector Workshop, UC San Diego, San Diego, CA.

June 26, 2019

Presentation: Exploring the Intersection Between Policy, Technology and Global Health from a Multidisciplinary Perspective

This presentation was given by **Dr. Tim Mackey** (University of California) at the National Taiwan University, College of Public Health in Taipei, Taiwan.

June 25, 2019

Presentation: Exploring Digital Pharmacy and Risks of Digital Technologies for Drug Regulation

This presentation was given by **Dr. Tim Mackey** (University of California) at the Taiwan Food and Drug Administration in Taipei, Taiwan.

June 24, 2019

Presentation: Emerging Digital Technologies for the Pharmaceutical Sector

This presentation was given by **Dr. Tim Mackey** (University of California) at the 2019 Conference on Application of Information Technology in Pharmacy Services from Global Perspective, hosted by the National Taiwan University, College of Pharmacy in Taipei, Taiwan.

June 24, 2019

Presentation: Policy and Technology Approaches to Combat the Global Trade in Falsified and Substandard Medicines

This presentation was given by **Dr. Tim Mackey** (University of California) at the 2019 Conference on Application of Information Technology in Pharmacy Services from Global Perspective, hosted by the National Taiwan University, College of Pharmacy in Taipei, Taiwan.

June 13, 2019

Presentation: Invisible Influence: Tracing Pharmaceutical Industry Promotion to Registered Nurses

This presentation was given by **Dr. Quinn Grundy** (University of Toronto) at the Opioids: Conflicts & Controversies Conference hosted by PharmedOut, Georgetown University Medical Center in Washington, DC.

June 12, 2019

Presentation: Blockchain: The Next Frontier in the Fight Against Counterfeits?

This presentation was given by **Dr. Tim Mackey** (University of California) at the Cold Chain Global Forum in San Diego, CA.

June 6-7, 2019

Presentation: Has Ghost-Management Become a Central Feature of Accumulation in Corporate Capitalism? The Case of the Global Pharmaceutical Sector

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) for the Conference Accumulating Capital; Strategies of Profit and Dispossessive Policies at the Paris-Dauphine University in Paris.

June 2019

Presentation: Community Pharmacy Influenza Immunization Services in Ontario: The OPEN Atlas [Abstract]

This was a poster presentation given at the Ontario Pharmacy Evidence Network (OPEN) Summit in Toronto. Authors: Chaudhry M, Waite NM, Houle SKD, Kwong J, Zhou L, **Cadarette SM**.

June 2019

Presentation: MedsCheck at Home Services in Ontario [Abstract]

This was an oral presentation given at Pharmacy Experience Pharmacies in Toronto. Authors: Gan Q, Chaudhry M, Shakeri A, Dolovich L, Zhou L, **Cadarette SM**.

June 2019

Presentation: Generic Drug Reimbursement and Drug Shortages

This presentation was given by **Dr. Paul Grootendorst** (University of Toronto) at the Canadian Economics Association Conference in Banff.

June 2019

Presentation: Trends in Medical Cannabis Use and Prices in Canada

This presentation was given by **Dr. Paul Grootendorst** (University of Toronto) at the Toronto Cannabis and Cannabinoid Research Consortium Research Day in Toronto.

June 2019

Presentation: Pharmaceutical Opinion Services in Ontario [Abstract]

This was a poster presentation given at Pharmacy Experience Pharmacies in Toronto. Authors: He N, Dolovich L, Zhou L, **Cadarette SM**.

June 2019

Presentation: Conflict of Interest in Clinical Practice Guidelines

This presentation was given by **Dr. Joel Lexchin** (University of Toronto) at the Brocher Foundation Alumni Reunion in Geneva.

June 2019

Presentation: How Purdue was Allowed to Push OxyContin in Canada

This presentation was given by **Dr. Joel Lexchin** (University of Toronto) at PharmedOut's 7th Conference on Opioids: Conflicts and Controversies in Washington, DC.

June 2019

Presentation: MedsCheck Long-Term Care in Ontario [Abstract]

This was a poster presentation given at Pharmacy Experience Pharmacies in Toronto. Authors: Loi A, He N, Shakeri A, Dolovich L, Zhou L, **Cadarette SM**.

June 2019

Presentation: Impact of the October 2016 Policy Change on the Delivery of MedsCheck Annual and MedsCheck Diabetes Services in Ontario Community Pharmacies [Abstract]

This was a poster presentation given at Pharmacy Experience Pharmacies in Toronto. Authors: Shakeri A, Dolovich L, MacCallum L, Gamble JM, Zhou L, **Cadarette SM**.

May 28-31, 2019

Presentation: Does Funding of Patient Groups Influence Their Views About Funding of Medicines?

This conference presentation was given by **Dr. Joel Lexchin** (University of Toronto) at the Canadian Association for Health Services and Policy Research Annual Meeting in Halifax.

May 28-29, 2019

Presentation: Making Health Technologies Affordable for Canadians

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) at the Key Opinion Leader Discussion in the Context of the National Research Council's Health Challenge Program, organized by the National Research Council's Life Sciences Office in Ottawa.

May 27, 2019

Presentation: Sustainable Development Goals: Health Information Systems, Governance and Mortality Measurement

This was a presentation given by **Dr. Erica Di Ruggiero** (University of Toronto) at the 2nd Global Health and Mortality Summer Institute in Toronto.

May 16, 2019

Presentation: Le Régime Hybride Public-Privé d'Assurance-Médicaments au Québec: Constat d'Échec et Nécessité de Réforme

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) at the Conseil Général du SCFP-Québec (Syndicat Canadien de la Fonction Publique – Section Québec) for the Centre des Congrès de Québec in Québec.

May 1, 2019

Presentation: HiT Talk: Leveraging Blockchain to Improve Healthcare? Challenges and Opportunities

This presentation was given by **Dr. Tim Mackey** (University of California) at the Del Mar Electronics & Manufacturing Show 2019 in Del Mar, CA.

May 2019

Presentation: Health Insurance Using a Cost-Effectiveness Threshold in the Presence of Market Power

This presentation was given by **Dr. Paul Grootendorst** (University of Toronto) at the Canadian Health Economics Study Group in Banff, Ontario.

May 2019

Presentation: Conflict of Interest in the Canadian Healthcare System

This presentation was given by **Dr. Joel Lexchin** (University of Toronto) at the Centre for Healthcare Resilience and Implementation Science in Macquarie University, Sydney, Australia.

May 2019

Panel: Webinar on the USMCA (NAFTA 2.0) and Access to Medicines

Dr. Joel Lexchin (University of Toronto) was on a panel hosted by Mike Palmedo at American University in Washington, DC.

April 2019

Presentation: Constitutional Promises and the South African Right to Health

This presentation was given by **Dr. Lisa Forman** (University of Toronto) at the Global Health Law Conference hosted by the University of Cape Town Faculty of Law, which was cosponsored by York University, University of Cape Town, University of Geneva, University of North Carolina and University of Toronto Dalla Lana School of Public Health.

April 1, 2019

Presentation: Universal Pharmacare: Why? How? Challenges?

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) for a Health Law course given by Dr. Colleen Flood at the University of Ottawa.

April 2019

Presentation: Temporal Trends and Factors Associated with Bisphosphonate Discontinuation and Restart at a Population Level [Abstract]

This poster was presented at the European League Against Rheumatism (EULAR) Annual Meeting in Prague, Czech Republic. Authors: Adami G, Jaleel A, Curtis J, Chen R, Yun H, Daigle S, Arora T, Danilla M, Wright N, **Cadarette SM**, Mudano A, Foster J, Saag K.

April 2019

Presentation: Conflict of Interest and the Quality of Clinical Practice Guidelines

This presentation was given by **Dr. Joel Lexchin** (University of Toronto) at Sydney Health Ethics in the University of Sydney.

March 27, 2019

Presentation: Le Régime Hybride Public-Privé d'Assurance-Médicaments au Québec: Constat d'Échec et Nécessité de Réforme

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) at the Conseil Général du SCFP-Québec Conseil Général du SQEES-FTQ (Syndicat des employées et employés de service, affilié à la Fédération des Travailleurs du Québec) in Laval, Québec.

March 21, 2019

Presentation: Réduire le Coût des Médicaments en Adoptant un Régime Public Entièrement Financé par l'État

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) for a graduate course in health law with Dr. Martha Jackman at the University of Ottawa.

March 5, 2019

Presentation: *Blockchain Applications: Healthcare, Supply Chain and Beyond*

This presentation was given by **Dr. Tim Mackey** (University of California) at the Rady School of Management 19th Annual Supply Chain Forum in La Jolla, CA.

March 03, 2019

Interview: *Médicaments: Facturer Trois Fois Ses Honoraires Pour un Seul et Même Geste*

This interview was done by **Dr. Marc-André Gagnon** (Carleton University) for the TV show La Facture on Radio Canada. Available at: <https://ici.radiocanada.ca/nouvelle/1155954/honoraires-pharmaciens-facturer-geste-renouveler-medicaments>.

March 2019

Presentation: *Use of Professional Pharmacy Services Differs Across Ontario: The OPEN Atlas [Abstract]*

This was an oral presentation given at the Ontario Pharmacy Evidence Network (OPEN) Summit in Toronto. Authors: **Cadarette SM**, Chaudhry M, He N, Shakeri A, Wong L, Gan Q, Loi A, Zhou L, Dolovich L.

March 2019

Presentation: *MedsCheck at Home Services in Ontario: The OPEN Atlas [Abstract]*

This was a poster presentation given at the Ontario Pharmacy Evidence Network (OPEN) Summit in Toronto. Authors: Gan Q, Chaudhry M, Shakeri A, Dolovich L, Zhou L, **Cadarette SM**.

March 2019

Presentation: *Expanding Public Drug Coverage: A Review of the Options*

This presentation was given by **Dr. Paul Grootendorst** (University of Toronto) at the Canadian Centre for Health Economics, University of Toronto.

March 2019

Presentation: Time Trends Among New Users of Osteoporosis Drugs Over 20 Years in Ontario, Canada [Abstract]

This was a poster presentation given at the Ontario Pharmacy Evidence Network (OPEN) Summit in Toronto. Authors: Hayes KN, Ban JK, Athanasiadis G, Burden AM, **Cadarette SM**.

March 2019

Presentation: Pharmaceutical Opinion Services in Ontario: The OPEN Atlas [Abstract]

This was a poster presentation given at the Ontario Pharmacy Evidence Network (OPEN) Summit in Toronto. Authors: He N, Dolovich L, Zhou L, **Cadarette SM**.

March 2019

Presentation: MedsCheck Long-Term Care in Ontario: The OPEN Atlas [Abstract]

This was a poster presentation given at the Ontario Pharmacy Evidence Network (OPEN) Summit in Toronto. Authors: Loi A, He N, Shakeri A, Dolovich L, Zhou L, **Cadarette SM**.

March 2019

Presentation: Pharmacy Smoking Cessation Services in Ontario: The OPEN Atlas [Abstract]

This was a poster presentation given at the Ontario Pharmacy Evidence Network (OPEN) Summit in Toronto. Authors: Wong L, Sproule BA, Guilcher SJ, Zhou L, **Cadarette SM**.

March 2019

Presentation: Impact of the October 2016 Policy Change on the Delivery of MedsCheck Annual and MedsCheck Diabetes Services in Ontario Community Pharmacies: The OPEN Atlas [Abstract]

This was a poster presentation given at the Ontario Pharmacy Evidence Network (OPEN) Summit in Toronto. Authors: Shakeri A, Dolovich L, MacCallum L, Gamble JM, Zhou L, **Cadarette SM**.

February 27, 2019

Presentation: Leveraging Artificial Intelligence for “Big Data” Based Corruption Surveillance: A Multidisciplinary Pilot Study

This presentation was given by **Dr. Tim Mackey** (University of California) at the Consultation for a Proposed Global Network on Anti-corruption, Transparency and Accountability (GNACTA) in Health Systems in Geneva, Switzerland. Authors: **Mackey TK**, Xu Q, Li J.

February 20, 2019

Presentation: What Does the Right to Health Offer to Advancing the SDGs

This presentation was given by **Dr. Lisa Forman** (University of Toronto) for Interdisciplinary Research Approaches to SDG Challenges from a Right to Health and Development Perspective at the University of Queensland.

January 28, 2019

Presentation: Universal Pharmacare: Why? How? Challenges?

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) for the Canadian Health Coalition Lobby Day in Ottawa.

January 2019

Presentation: Expanding Public Drug Coverage: A Review of the Options

This presentation was given by **Dr. Paul Grootendorst** (University of Toronto) at the Economics Community of Practice Symposium, Government of Ontario, in Toronto.

January 2019

Panel: Reducing and Managing Conflicts of Interest in Clinical Practice Guideline Development: Do We Need Pan-Canadian Standards?

Dr. Joel Lexchin (University of Toronto) was a panelist for the CIHR in Ottawa.

December 17, 2018

Presentation: Catching Digital Drug Dealers? Machine Learning Approaches to Detect Social Media Drug Sellers

This presentation was given by **Dr. Tim Mackey** (University of California) at the USC Information Sciences Institute Seminar in Los Angeles, CA.

December 07, 2018

Presentation: Machine Learning Approaches to Detect and Classify Digital Drug Dealers on Instagram: An Evolution in Methods

This presentation was given by **Dr. Tim Mackey** (University of California) at PRISM 2018, hosted by UC San Francisco Mission Bay Campus in San Francisco, CA. Authors: **Mackey TK**, Xu Q, Li J.

December 5, 2018

Presentation: Self-Controlled Crossover Observational PharmacoEpidemiology (SCOPE)

This presentation was given by **Dr. Suzanne Cadarette** (University of Toronto) as part of the Society of Epidemiologic Research and International Society of Pharmcoepidemiology Joint Webinar Series.

December 05, 2018

Presentation: BlockLAB Research; How a Health Chain can be Designed for “Fit-for-Purpose”

This presentation was given by **Dr. Tim Mackey** (University of California) at DataWest18, hosted by the San Diego Super Computer Center in San Diego, CA.

December 2018

Presentation: Disease Mongering and the Quest for Profits

This presentation was given by **Dr. Joel Lexchin** (University of Toronto) at the Research Roundtable: Talking Across Silos in Canada’s Health Movements in Ottawa.

November 30, 2018

Presentation: Potential of Blockchain to Transform Healthcare

This presentation was given by **Dr. Tim Mackey** (University of California) at SING San Diego, Sanford Consortium for Regenerative Medicine in San Diego, CA.

November 29, 2018

Presentation: Exploring a Blockchain “Fit-for-Purpose” in the Healthcare Vertical

This presentation was given by **Dr. Tim Mackey** (University of California) at the University of San Diego School of Business, Blockchain Seminar Series in San Diego CA.

November 27, 2018

Presentation: Universal Pharmacare: Why? How? Challenges?

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) for the Pharmacare event organized by the Council of Canadians in Prince Albert, Saskatchewan.

November 19, 2018

Presentation: CETA and TPP: Impact on the Canadian Pharmaceutical Sector

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) for Panel Trade and Investment Agreements: Enablers or Barriers to Prevention and Treatment of Noncommunicable

Disease? the 24th Canadian Conference on Global Health organized by the Canadian Society for International Health in Toronto.

November 19, 2018

Presentation: Combatting Corruption in Pharmaceutical Procurement

This was a presentation given by **Dr. Jillian Kohler** (WHO CCGAT Director) and **Dr. Tim Mackey** (University of California) at the American Public Health Association in San Diego.

November 17, 2018

Presentation: Le Régime Hybride Public-Privé d'Assurance-Médicaments au Québec: Constat d'Échec et Nécessité de Réforme

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) for the Colloque 2018 de la CSD: La Santé, Notre Engagement Collectif in Trois-Rivières, Québec.

November 16, 2018

Presentation: Blockchain: Oportunidades en Salud Para la Prestación de Servicios, el Aseguramiento, la Industria Farmacéutica y de Dispositivos

This presentation was given by **Dr. Tim Mackey** (University of California) at the e-Health 3rd Congress in Botoga, Columbia.

November 16, 2018

Panel: Desafíos Para la Innovación con TIC en Salud

Dr. Tim Mackey (University of California) was part of an invited panel at the e-Health 3rd Congress in Botoga, Columbia.

November 14, 2018

Presentation: Turning the Tide: Research and Technology Solutions to Lead the Fight Against Illicit Online Drug Sales

This was a presentation at the Alliance for Safe Online Pharmacies Research Symposium 2018 in Washington, DC. Authors: **Mackey TK**, Xu Q, Li J.

November 14, 2018

Interview: Les Ratés de l'Assurance-Médicaments au Québec

This interview was done by **Dr. Marc-André Gagnon** (Carleton University) for RDI Économie (Radio-Canada). Available at: <https://ici.radio-canada.ca/tele/rdi-economie/site/segments/reportage/94920/rdieconomie--entrevue-avec-marcandre-gagnon>.

November 13, 2018

Presentation: Improving Access to Medicines: The Intersection of Health Equity, Advocacy, Governance and Law

This presentation was given by **Dr. Tim Mackey** (University of California) as a scientific session for the 2018 American Public Health Association Annual Meeting in San Diego, CA.

November 13, 2018

Presentation: Le Régime Hybride Public-Privé d'Assurance-Médicaments au Québec: Constat d'Échec et Nécessité de Réforme

This presentation was given by **Dr. Marc-André Gagnon** (Carleton University) for the Colloque sur les Régimes Privés et Public d'Assurance Médicaments, Organisé par la Fédération des Travailleurs du Québec in Laval, Québec.

November 12, 2018

Presentation: Tackling the Complex Disease of Corruption in Global Health

This presentation was given by **Dr. Tim Mackey** (University of California) as a scientific session for the 2018 American Public Health Association Annual Meeting in San Diego, CA.

November 12, 2018

Presentation: Global Health Diplomacy: Leveraging, Science, Advocacy, and Policy to Tackle Grand Challenges in Global Health

This presentation was given by **Dr. Tim Mackey** (University of California) and Kato H. as a scientific session for the 2018 American Public Health Association Annual Meeting in San Diego, CA.

November 08, 2018

Interview: Opioides: Le Marketing d'Une Épidémie

This interview was done by **Dr. Marc-André Gagnon** (Carleton University) for the TV show Enquête at Radio-Canada. Available at: <https://ici.radio-canada.ca/tele/enquete/site/episodes/417538/opioides-compagnies-pharmaceutique-publicite-purdue-pharma>

November 06, 2018

Presentation: Provincial Perspectives on Federal Pharmacare

Dr. Marc-André Gagnon (Carleton University) was on a panel organized by the MacEachen Institute, Dalhousie University in Halifax.

November 2018

Presentation: The Rise in Drug Prices and Opioid Prescriptions—How Relationships Between Doctors and Drug Companies Drive Spending on Drug Plans

This presentation was given by **Dr. Joel Lexchin** (University of Toronto) and Barbara Martinez at the 51st Annual Canadian Employee Benefits Conference in Las Vegas.

October 31, 2018

Presentation: Digital Mixed Methods to Evaluate Impact of Campus Smoke Free Policies

This presentation was given by **Dr. Tim Mackey** (University of California) at the UC San Diego Smoke/Tobacco Free Committee Meeting in UC San Diego, San Diego, CA.

Academic Publications

Publications (alphabetical order):

- Amis JM, Munir KA, Lawrence TB, Hirsch P, **McGahan, AM**. Inequality, Institutions, and Organizations. *Organization Studies* (2018) 39:9, pp. 1131-1152.
- Ban JK, Hao BB, McCarthy L, Guilcher SJT, **Cadarette SM**. Denosumab utilization among older adults in Ontario: patient characteristics, persistence with therapy, and return to therapy after an extended gap. *Osteoporos Int*; 2019; 30(9):1865-1872.
- Baxi S, Beall R, Yang J, **Mackey TK**. A Multidisciplinary Review of the Policy, Intellectual Property Rights, and International Trade Environment for Access and Affordability to Essential Cancer Medications. *Global Health*. 2019; 15(57). doi: 10.1186/s12992-019-0497-3.
- Braillon A, **Lexchin J**. Innovation and off-label use, the French case and more. *British Journal of Clinical Pharmacology* 2019; Jun 4. doi: 10.1111/bcp.13993. [Epub ahead of print]
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- Charbonneau, M, **Gagnon, MA**. Surviving niche busters: Main strategies employed by Canadian private insurers facing the arrival of high cost specialty drugs. *Health Policy* 122 (12). December 2018: 1295-1301.
- Cuomo RE, **Mackey TK**. Examining the Association between International Migration and Colorectal Cancer among Multiple Ancestry Groups in the United States. *Ethnicity and Health*. 2019. doi: 10.1080/13557858.2019.1685652.
- **Di Ruggiero, E**. Global Health Governance in the Sustainable Development Goal Era. Chapter for inclusion in 2nd edition of *Global Health and Global Health Ethics*. Cambridge University Press (in press)
- Elfassy, MD, Danho S, Adibfar A, **Lexchin J**. Direct-to-consumer advertising of prescription medications: what the Canadian medical trainee needs to know. *Canadian Medical Education Journal* 2019;10(3):E113-E116.
- **Gagnon MA**. “Getting More for Less; Universal Pharmacare as an Alternative to Austerity”. *Austerity and Its Alternatives*. December 2018.
- Gleeson D, **Lexchin J**, Labonte R, Townsend B, **Gagnon MA**, **Kohler J**, **Forman L**, Shadlen K, “Analysing the impact of trade and investment agreements on pharmaceutical policy: provisions, pathways and potential impacts,” accepted at *Globalization and Health*. Forthcoming.
- Gleeson D, and **Forman L**, “Implications of trade and investment agreements for access to affordable medicines and the right to health,” In press at (2019) *Canadian Yearbook of Human Rights*.
- **Grootendorst P**, Ranjithan R. Pharmacists should counsel users of medical cannabis, but should they be dispensing it? *Canadian Pharmacists Journal* 2018; 152(1):10-13. doi:10.1177/1715163518814273
- **Grootendorst P**, Shim M, Tieu J. Uptake and impact of licensed pharmacy technicians in Ontario community pharmacies. *Canadian Pharmacists Journal* 2018; 151(3):197-202. doi: 10.1177/1715163518768009
- **Grundy, Q.**, Chiu, K. & Bero, L. (2019). Commercialization of user data by developers of medicines-related apps: A content analysis. *J Gen Int Med*. Doi: 10.1007/s11606-019-05214-0.

- Gorfinkel I, **Lexchin J**. Enabling patient portals to access primary care medical records: maximizing collaboration in care between patients and providers. *Healthcare Policy* 2019;14(4):21-27
- Hayes KN, Ban JK, Athanasiadis G, Burden AM, **Cadarette SM**. Time-trends in oral bisphosphonate initiation in Ontario, Canada over 20 years reflect drug policy and healthcare delivery changes. *Osteoporos Int*; 2019; 30(11):2311-2319. doi: 10.1007/s00198-019-05061-z).
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- Kato H, **Mackey TK**, Heng YK. Japan's Health Diplomacy: Projecting Soft Power in the Era of Global Health. *Global Health Governance*. 2019;13(1):5-22.
- Klein P, Mahoney J, **McGahan AM**, Pitelis C. Organizational Governance Adaptation: Who is In, Who is Out, and Who Gets What, *Academy of Management Review* (January 2019) 44:1, pp. 6-27, available at <https://journals.aom.org/doi/pdf/10.5465/amr.2014.0459>
- **Kohler J**, Pico TC, Vian T and **Mackey TK**. The Global Wicked Problem of Corruption and Its Risks for Access to HIV/AIDS Medicines". *Clinical Pharmacology & Therapeutics*) August, 2018.
- **Lemmens T**. "La Gobernanza del Conocimiento en la Industria Farmacéutica desde una Perspectiva de Derechos Humanos" in Hernando Torres Corredor & Diana Colorado Acevedo, eds *V Congreso Iberoamericano de Derecho Sanitario*, Bogota: Editorial Universidad Nacional de Colombia, 2018)
- **Lemmens T** & Ghimire, KM. "Regulation of the Health Professions in Ontario: Self-Regulation with Statutory-Based Public Accountability" (forthcoming) (2018-19) *Journal of Health Law/Revista de Derecho Sanitario* 19(3): 124-163.
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- **Lexchin J.** Choosing Wisely Canada needs to start helping doctors to understand how commercial influences affect their prescribing. *Healthcare Papers* 2019;18(1):30-34
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- **Lexchin J.** Declarations of interest by members of Health Canada’s special advisory committees and panels: a descriptive study. *CMAJ Open* 2019;7:E334-340.
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- **Lexchin J.** Association between commercial funding of Canadian patient groups and their views about funding of medicines: an observational study. *PLoS One* 2019;14:e0212399.
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- **McGahan, AM.** Where Does an Organization’s Responsibility End?: Identifying the Boundaries on Stakeholder Claims. *Academy of Management Discoveries* (January 2019), available at <https://journals.aom.org/doi/10.5465/amd.2018.0218>
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- Perehudoff K and **Forman L**, “What constitutes ‘reasonable’ State action on core obligations? Considering a right to health framework to provide essential medicines,” (2019) 11 Journal of Human Rights Practice 1-19.
- Shakeel SI, Brown M, Shakeel S, **Mackey TK**. Achieving the End Game: Employing “Vaccine Diplomacy” to Eradicate Polio in Pakistan. BMC Public Health. 2019;19(1):79.
- Shakeri A, Dolovich L, MacCallum L, Gamble JM, Zhou L, **Cadarette SM**. Impact of the 2016 policy change on the delivery of MedsCheck services in Ontario: an interrupted time-series analysis. Pharmacy 2019; 7(3):E115.
- Shah N, Ju J, **Mackey TK**. Surgical Data Recording Technology: A Solution to Address Medical Errors? Ann Surgery. 2019; in press.
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Selection of Books, News Articles & Media Outputs (alphabetical order):

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- **Gagnon, MA**, Les transformations en cours des politiques du médicament: Au bénéfice des citoyens? In Institut du Nouveau Monde (éd.). État du Québec 2019. Montreal: Institut du Nouveau Monde / Del Busso: pp. 137-146. 2018. Op-eds, Commentaries, and other publications
- **Gagnon, MA.** “The Building Blocks of Drug Coverage Reforms in Canada”. The Hill Times, April 29 2019: <https://www.hilltimes.com/2019/04/29/the-building-blocks-of-drug-coverage-reforms-in-canada/197598>
- **Gagnon, MA.** “Head to head: Should Canada implement a national pharmacare program?” Benefits Canada, April 12 2019: <https://www.benefitscanada.com/news/head-to-head-should-canada-implement-a-nationalpharmacare-program-128319>
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- **McGahan, AM.** “Messages to My Younger Self,” in A Journey Toward Influential Scholarship: Insights from Leading Management Scholars, eds. Xiao-Ping Chen and H. Kevin Steensma (forthcoming)
- **McGahan AM.** “Inclusion and Innovation in Healthcare,” Handbook of Social Innovation, eds. Ted Baker, Gerry George, Havovi Joshi, and Paul Tracey (2019), chapter 5, pp. 75-82.
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