

MATTHEW HERDER

Associate Professor, Health Law Institute
Faculties of Medicine and Law, Dalhousie University
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EDUCATION

J.S.M.	Stanford University, Stanford, California	2007
LL.M.	Schulich School of Law, Dalhousie University, Halifax, NS	2006
LL.B.	Schulich School of Law, Dalhousie University, Halifax, NS	2003
B.Sc. (hons)	Memorial University of Newfoundland, St. John's, NFLD	2000

AWARDS AND HONOURS

American Association for the Advance of Science (poster competition)	2006
Nathalie Des Rosiers Audacity of Imagination Award	2006
Canadian Bioethics Society Abstract Competition Winner	2005
Health Law & Policy Program Training Award, CIHR	2005
Genetics Policy Development Training Program Award, APOGEE-Net	2005
Robert Batt Memorial Award, Dalhousie University, Law	2003
Honourable W.A. Henry Prize, Dalhousie University	2003
Patterson Palmer Internet Media Law Prize, Dalhousie University	2003
Dalhousie University, Faculty of Law Dean's List	2002-2003
Canadian Bioethics Society, Winner in student abstract competition	2002
Capacity Building Award, Nova Scotia Health Research Foundation	2002
Dalhousie University, Law School Scholarships	2000
Memorial University, Faculty of Science Dean's List	1998-1999
Memorial University, Faculty of Science Dean's List	1999-2000

EMPLOYMENT

Associate Professor, Faculty of Medicine, Dalhousie University	2015-present
Assistant Professor, Faculty of Medicine, Dalhousie University	2012-2015
Cross-appointment, Schulich School of Law, Dalhousie University	2012-present
Assistant Professor, Division of Infectious Disease, Department of Pediatrics, Faculty of Medicine, Dalhousie University, cross-appointment	2012-present
Assistant Professor, Department of Bioethics, Faculty of Medicine, Dalhousie University	2010-2011
Ewing Marion Kauffman Foundation Legal Research Fellow, School of Law, New York University	2009-2010
Visiting Professor, School of Law, Loyola University Chicago	2008-2009
Research Assistant to Prof. Françoise Baylis, Department of Bioethics, Faculty of Medicine, Dalhousie University	2005-2006 2000-2003

NON-ACADEMIC EMPLOYMENT

Legal Consultant, Health Sciences Policy Division, Health Canada	2007-2008
Law Clerk, Federal Court, Ottawa	2004-2005
Articling Student, McCarthy Tétrault LLP, Toronto	2003-2004
Summer Law Student, McCarthy Tétrault LLP, Toronto	2002
Summer Law Student, Stewart McKelvey Stirling Scales St. John's, NL	2001

RESEARCH

Dissertations

Matthew Herder “Institutionalizing Norms of Access: A Study of Technology Transfer Practices at Canadian & U.S. Institutions Engaged in Genetics Research” JSM Thesis School of Law, Stanford University, Palo Alto, CA 2007 unpublished.

Matthew Herder “The Rhetoric of Innovation” LLM Thesis, Faculty of Law, Dalhousie University, Halifax, NS 2006 unpublished.

Refereed Journal Articles

Matthew Herder & Timothy Krahn “Some numbers behind Canada’s decision to adopt an orphan drug policy: US orphan drug approvals in Canada 1997-2012” 2016 114 *Healthcare Policy* 70-81.

Matthew Herder “Reinstitutionalizing transparency at Health Canada” 2015 pii: *Canadian Medical Association Journal* 150765[Epub ahead of print].

Eva A Roberts, Matthew Herder, and Aidan Hollis “Fair pricing for ‘old’ orphan drugs: considerations for Canada’s orphan drug policy” 2015 187 *Canadian Medical Association Journal* 422-425.

Matthew Herder, Todd F Hatchette, Scott A Halperin and Joanne M Langley “Against vaccine assay secrecy” 2015 112 *Human Vaccines & Immunotherapeutics* 498-503.

Matthew Herder “Denaturalizing transparency in drug regulation” 2015 82 *McGill Journal of Law and Health* S57-S144.

Matthew Herder “Toward a jurisprudence of drug regulation” 2014 422 *Journal of Law and Medical Ethics* 244–62.

Matthew Herder, Elaine Gibson, Janice Graham, Joel Lexchin and Barbara Mintzes “Regulating prescription drugs for patient safety: does Bill C-17 go far enough?” 2014 13:1868 *Canadian Medical Association Journal* E287–292.

Lynette Reid & Matthew Herder “The Speakers’ Bureau System: A Form of Peer Selling” 2013 72 *Open Medicine Journal* e31–39.

Meena Krishnamurthy & Matthew Herder “Justice in Global Pandemic Influenza Preparedness: An Analysis Based on the Values of Contribution, Ownership and Reciprocity” 2013 1:6 3 *Public Health Ethics* 272–86.

Matthew Herder “When everyone is an orphan: against adopting a U.S.-styled orphan drug policy in Canada” 2013 204 *Accountability in Research Journal* 227–69.

Matthew Herder “Choice Patents” 2012 523 *IDEA: The Intellectual Property Law Rev* 309-378.

Matthew Herder “Unlocking Health Canada’s cache of trade secrets: mandatory disclosure of clinical trial results” 2012 1842 *Canadian Medical Association Journal* 2012 194–9.

Matthew Herder “Demythologizing PHOSITA - Applying the Non-Obviousness Requirement under Canadian Patent Law to Keep Knowledge in the Public Domain and Foster Innovation” 2009 474 *Osgoode Hall Law Journal* 695–750.

Matthew Herder “Patents & the progress of personalized medicine: biomarkers research as lens” 2009 182 *Annals of Health Law* 187–229.

Françoise Baylis & Matthew Herder “Policy Design for Human Embryo Research in Canada: A History Part 1 of 2” 2009 61 *Journal of Bioethical Inquiry* 109 - 122.

Françoise Baylis & Matthew Herder “Policy Design for Human Embryo Research in Canada: An Analysis Part 2 of 2” 2009 63 *Journal of Bioethical Inquiry* 351–65.

Matthew Herder & Jennifer Dyck Brian “Canada’s Stem Cell Corporation: Aggregate Concerns and the Question of Public Trust” 2008 *Journal of Business Ethics* 771 73–84.

Matthew Herder “Asking for Money Back - Chilling Commercialization or Recouping Public Trust in the Context of Stem Cell Research” 2007 2008:9 *Columbia Science and Technology Law Review* 203-236.

Jocelyn Downie & Matthew Herder “Reflections on the Commercialization of Research Conducted in Public Institutions in Canada” 2007 1:1 *McGill Journal of Law & Health* 2007 23-44.

Matthew Herder “Proliferating Patent Problems with Human Embryonic Stem Cell Research?” 2006 1:3 1-2 *Journal of Bioethical Inquiry* 69–79.

Matthew Herder “Banning Bans on New Reproductive and Novel Genetic Technologies” 2003 2:3 *Canadian Journal of Law and Technology* 151-166.

Matthew Herder “In or out of the Marketplace of Ideas: Warf v. Geron and Lessons for Canada” 2002 11 *Dalhousie Journal of Legal Studies* 196.

Book Chapters

Matthew Herder “Emerging Academic Scientists’ Exclusionary Encounters with Commercialization Law, Policy, and Practice” in B. Courtney Doagoo, Mistrale Goudreau, Madelaine Saginur, Teresa Scassa, eds. *Intellectual Property for the 21st Century: Interdisciplinary Perspectives on Intellectual Property Law* The Federation Press 2014 446-468.

Matthew Herder & Conrad Fernandez “Cancer Genomics and Biobanking: Exploring Key Ethical and Legal Issues” in: Graham Dellaire, Jason Berman and Robert Arceci, eds. *Cancer Genomics: From Bench to Personalized Medicine* Academic Press 2013 418-432.

Matthew Herder “Reference re Assisted Human Reproduction Act” in Françoise Baylis, Barry Hoffmaster, Susan Sherwin and Kristin Borgerson, eds. *Health Care Ethics in Canada 3rd ed.* Nelson 2012 92-93.

Matthew Herder “Proprietary Interests & Collaboration in Stem Cell Science: Avoiding Anticommons, Countering Canalization” in Kristina Hug and Goran Hermerén, eds. *Translational Stem Cell Research: Issues Beyond the Debate on the Moral Status of the Human Embryo.* Human Press 2011 267-284.

Matthew Herder & Josephine Johnston “Access Concerns and Business Models in Public-Sector Technology Transfer of Genetic Inventions” in E. R. Gold and B. M. Knoppers, eds. *Biotechnology IP & Ethics* 2009 165-199.

Invited Journal Articles

Matthew Herder “What is the Purpose of the Orphan Drug Act?” *PLOS Medicine* [forthcoming].

Matthew Herder “Orphan drug incentives in the pharmacogenomic context: policy responses in the USA and Canada” 2016 *Journal of Law and the Biosciences* 1-9
doi:10.1093/jlb/lsv060.

Françoise Baylis & Matthew Herder “Who Will Implement the WHO’s Statement on Public Disclosure of Trial Results?” 2105 3859985:2353-2354.

Matthew Herder “Government Regulators Must Steward Drug Transparency” 2014 20:8 *Nature Medicine* 806.

Matthew Herder “Donate a Definition” 2002 11:1 *Health Law Review* 40-43.

Matther Herder “The UK Model: Setting the Standard for Embryonic Stem Cell Research?”
2001 10:1 *Health Law Rev*14–24.

Expert Testimony and Research Briefs

Matthew Herder “Development of a National Pharmacare Program, House of Commons Standing Committee on Health” Parliament. Ottawa, ON. 2016 May 30.

Matthew Herder & Trudo Lemmens “Memorandum re: Health Canada’s ‘Draft Guidance’ on Section 21.1(3)(c) of the Food and Drugs Act”. Written Submission. 2016 May 24.

Matthew Herder “Bill C-17, An Act to amend the Food and Drugs Act. Senate Standing Committee on Social Affairs” Science and Technology. Ottawa, ON. 2014 Sep 25.

Matthew Herder “Bill C-17, An Act to amend the Food and Drugs Act. Standing House of Commons Committee on Health” Parliament. Ottawa, ON. 2014 Jun 10.

Matthew Herder “Prescription Pharmaceuticals in Canada – A Round Table Discussion. Standing Senate Committee on Social Affairs” Science and Technology. Ottawa, ON. 2014 Jun 6.

Matthew Herder, Jocelyn Downie & Françoise Baylis, Ontario Ministry of Health. Letter to Minister of Health Deb Matthews re: Canadian Plasma Resources and Paid Plasma Collection in Ontario 2014 Feb 20.

Matthew Herder, Jocelyn Downie & Françoise Baylis “Round Table Discussion on Payment of Plasma Donors in Canada – Summary Report” Office of Policy and International Collaboration, Biologics and Genetic Therapies Directorate, Health Products and Food Branch, Health Canada 2013 Jul 25.

Matthew Herder, Françoise Baylis and Trudo Lemmens “Clinical Trial Registration” Senate Standing Committee on Social Affairs, Science and Technology. Written Submission 2012 Jun 11.

Matthew Herder “Study on Prescription Pharmaceuticals in Canada: Clinical Trials” Standing Senate Committee on Social Affairs, Science and Technology Ottawa, ON May 17, 2012.

Matthew Herder & Cynthia Ho “Pitfalls in Patenting Publicly Funded Research – Comments on Draft Intellectual Property Rights from Publicly Funded Research and Development Regulations” Department of Science & Technology, Government of South Africa. Written Submission. 2009 May 29.

Op-ed Commentaries

Matthew Herder & David Juurlink “Let the sun shine on doctors’ ties to pharma” 2016 May

9. Toronto Star. <https://www.thestar.com/opinion/commentary/2016/05/09/let-the-sun-shine-on-doctors-ties-to-pharma.html>

Matthew Herder “It’s time to think beyond national pharmacare” 2016 February 8. Toronto Star. <http://www.thestar.com/opinion/commentary/2016/02/08/its-time-to-think-beyond-national-pharmacare.html>

Matthew Herder “A new bill will make Health Canada’s drug approvals more transparent. In theory, anyway” 2014 Nov 5 National Post
<http://fullcomment.nationalpost.com/2014/11/05/matthew-herder-a-new-bill-will-make-health-canadas-drug-approvals-more-transparent-in-theory-anyway/>

Blog Commentaries

Matthew Herder, Trudo Lemmens, Joel Lexchin, Barbara Mintzes and Tom Jefferson “Pharmaceutical transparency in Canada: tired of talk” June 6, 2016.
<http://blogs.bmj.com/bmj/2016/06/06/pharmaceutical-transparency-in-canada-tired-of-talk/>
[reprinted in Policy Options, July 12, 2016]

Peter Doshi, Matthew Herder, Tom Jefferson “Honouring Vanessa” March 8, 2016
<http://blogs.bmj.com/bmj/2016/03/08/honouring-vanessa/>

Matthew Herder, “Enacting Pharmaceutical Transparency – Who, How, What, When & Why” 2015 Dec 21 <http://www.alltrials.net/news/enacting-pharmaceutical-transparency-who-what-how-when-why/>

Matthew Herder & Trudo Lemmens, “Diclectin data: Testing Canada’s new pharmaceutical transparency law” 2015 Oct 27 <http://blogs.bmj.com/bmj/2015/10/27/diclectin-data-testing-canadas-new-pharmaceutical-transparency-law/>

Matthew Herder, “Pharma Financialized” 2015 Sept 25
<http://impactethics.ca/2015/09/25/pharma-financialized/>

Matthew Herder, “Did a conflict over intellectual property delay the Ebola vaccine? Healthy Debate” 2014 Oct 10 <http://healthydebate.ca/opinions/ebola-ip-non-story-commercialization-par-excellence/>

Matthew Herder, “The Opacity of Bill C-17’s Transparency Amendments. Impact Ethics” 2014 Jun 23 <http://impactethics.ca/2014/06/23/the-opacity-of-bill-c-17s-transparency-amendments/>

Matthew Herder, “Regulating Prescription Drugs@The Limits of Legal Authority. Impact Ethics” 2013 Dec 9 <http://impactethics.ca/2013/12/09/regulating-prescription-drugs-the-limits-of-legal-authority/>

Matthew Herder, “Policy Laundering and payment-for-plasma” 2013 Aug 6

<http://impactethics.ca/2013/08/06/policy-laundering-and-payment-for-plasma/>

William Wong and M Herder, "Trade Secrets, Transparency, and Temporality" 2014 Feb 12
<http://www.iposgoode.ca/2012/02/trade-secrets-transparency-and-temporality/>

Matthew Herder, "Owning Potential Potential" 2008 May 6
http://www.thehastingscenter.org/Bioethicsforum/Post.aspx?id=1522&terms=herder+and+%23filename+*.html

PRESENTATIONS

Invited Presentations International

"Two Models of Stem Cell Commercialization: Creating Conditions for Collaboration?"
Organisation for Economic Co-operation and Development. Workshop: Collaborative Intellectual Property Mechanisms Paris, France May 4-5, 2009

"Biomarkers, Stem Cells, & Personalized Medicine" **Annals of Health Law Symposium**,
School of Law, Loyola University Chicago. . Chicago, IL, USA. November 14, 2008.

"Commercializing Stem Cells: Models, Mistakes & Mantra" **Intellectual Property Law Association of Chicago**, School of Law, Loyola University Chicago. . Chicago, IL. October 29, 2008.

"Intellectual Property Issues in Biotechnology: Health and Industry" Organisation for
Economic Co-operation and Development, **OECD International Futures Project on The Bioeconomy to 2030: Designing a Policy Agenda**. . Paris, France February 7-8, 2008.

"The Pandemic Preparedness License: Solving One Piece of the Influenza Pandemic
Puzzle?" **Terry Sanford Institute of Public Policy**, Duke University. . Durham, NC, USA
Dec 17-18, 2007.

"Proliferating Patent Problems with Human Embryonic Stem Cell Research?" **The Hastings Center** Garrison, NY, USA June 2005.

Refereed Presentations International

Matthew Herder & Kelly Holloway "A responsibility to commercialize? Tracing biomedical
researchers evolving engagement in the commercialization of academic science" **4S/EASST Conference**, Barcelona, Spain. August 29-September 3, 2016.

"Evidence and Policy in Pharmaceutical Regulation: The Promise of, and Barriers to, a
System of Adaptive Licensing" [delivered by Fierlbeck K]. **International Conference on Public Policy**, Milan, Italy. July 1-4, 2015.

“Can Patents Shape the Who, How, and What of Academic Science? Evidence from Cancer Epigenetics” **6th International Conference on Ethical Issues in Biomedical Engineering** New York University Polytechnic Institute, Brooklyn, NY, USA April 1-3, 2013.

“Choice Patents” 2010 **Intellectual Property Scholars Conference** University of California at Berkeley, Berkeley Center for Law & Technology, Berkeley, CA, USA August 12-13, 2010.

“Avoiding the Subject: Patents, Stem Cells & Quality Science” **Beyond The Embryo Workshop** Brocher Foundation, Geneva, Switzerland, November 13-14, 2006.

“In Stem Cell Research We Trust?” **American Association for the Advancement of Science Annual Meeting**, Poster Presentation. St. Louis, MO, USA, February 16 - 20, 2006.

Refereed Presentations National

“The Many Dimensions of Access to Orphan Drugs in Canada: Past, Present & Future” **Canadian Bioethics Society. Annual General Meeting** [delivered by Timothy Krahn] Vancouver, BC. 2014 May 28-31.

“A Canadian Orphan Drug Framework? Exploring the Exclusivity Issue” **Canadian Bioethics Society. Annual General Meeting** Banff, AB. May 31, 2013.

“Emerging Health Researchers’ Exposure to Commercialization: Research Integrity as a Limiting Practice?” **3rd World Conference on Research Integrity** Montreal, QC. May 7, 2013.

“Challenging the Corollaries of Commercialization: No Direct Returns for Publics, Providers & Participants in Biomedical Research?” **One Origin, One Race, One Earth Conference** Calgary, AB. November 15-17, 2007.

“ReInstitutionalizing Norms of Access: A Study of Technology Transfer Practices at Canadian & U.S. Institutions Engaged in Genetics Research” **Interdisciplinary Legal Studies Graduate Students’ Conference**, University of British Columbia, Vancouver, BC May 3-4, 2007.

“The Rhetoric of Innovation” **Congress of the Humanities and Social Sciences**. . Toronto, ON. May 27-June 3, 2006.

“Patents In Common” **Stem Cell Network Annual General Meeting** Calgary, AB. November 23-25, 2005.

“Patents In Common” **Canadian Bioethics Society Annual General Meeting** Halifax, NS. October 22-24, 2005.

“Exploring Stem Cell Co’s Obligations to Canadians” **Stem Cell Network Annual General Meeting**. Poster Presentation. Montreal, QC November 3-5, 2004.

“Banning bans on new reproductive and novel genetic technologies” **Stem Cell Network. Annual General Meeting**. Poster Presentation. Vancouver, BC. September 18-20, 2003.

“Health, Dollars & Sense: prioritizing the benefits of stem cell research” **Canadian Bioethics Society Annual General Meeting** Victoria, BC. October 18-19, 2002.

“Form or Function? Regulatory Trends in Embryonic Stem Cell Research” **Stem Cell Network Annual General Meeting**. Poster Presentation. Mississauga, Ontario September 27-28, 2002.

“Embryonic Stem Cell Research: No Need to Reinvent the Wheel, Just Regulate It” **Precedent & Innovation: Health Law in the 21st Century**, Poster Presentation. Edmonton, Alberta September 27-28, 2002.

Invited Presentations National

Annual Retreat Canadian Agency for Drugs and Technologies in Health. Ottawa, Ontario Sep 27-28, 2016.

Matthew Herder and Katherine Fierlbeck “Vanessa’s Law and Transparency” **Canadian Network for Observational Drug Evaluation Studies CNODES**. Webinar January 5 2016.

Matthew Herder and Katherine Fierlbeck “Accommodating or Ignoring Complexity? Precision Medicine and Adaptive Licensing of Pharmaceuticals” **Department of Community Health and Epidemiology, Faculty of Medicine. Seminar Series**. Dalhousie University. Halifax, NS December 8, 2015.

“Pharmacare: Fake Fix?” **National Health Law Conference**, University of Ottawa Ottawa, Ontario November 20, 2015.

“Fraud Forgotten: What the history of Canadian drug regulation tells us about the importance of transparency today” **School of Information Management. Public Lecture Series**, Dalhousie University, Halifax, NS November 4, 2015.

“Fraud Forgotten: Tracing a dialogue between fraud and transparency in Canadian pharmaceutical regulation” **Health Law, Ethics & Policy Seminar Series**, University of Toronto, Faculty of Law. Toronto, Ontario October 29, 2015.

“Understanding the Niche Market Context: Incentives, Evidence and Decision-Making” **Driving Regenerative Medicine to the Market and Clinic: An Exploration of Enablers, Impediments, and Ethical-Legal Challenges Workshop**. Sheraton Hotel, Toronto, Ontario November 5-7, 2014.

“Grad Students, PostDocs, & Intellectual Property: A Study for CAGS” **Canadian Association of Graduate Studies Annual General Meeting** St. John’s, NL. October 27-29, 2014. Annual General Meeting of Association of Graduate Studies.

“Commercialization of Health Research: Career Implications” **Canadian Academy of Health Sciences Annual General Meeting** Ottawa, Ontario September 18-19, 2014.

“The Politics of Knowledge and Commercializing Canadian Biomedical Research. Workshop: What is the Place of Intellectual Property?” **SKOL Gallery** Montreal, Quebec June 27-28, 2014.

Matthew Herder, David Healy, Karen Bedard and Kelly Holloway “Commercialized Science: Stories from the Field” **Dalhousie University, Faculty of Medicine** Visiting Professor in Medical Citizenship Halifax, NS. March 26, 2014.

“Myriad Limitations” **Schulich School of Law, Law and Technology Institute Seminar, Dalhousie University** Halifax, NS February 13, 2014.

“Patent-Secrecy Dynamism in Genetic Testing” **Canadian Bar Association Nova Scotia Health Law & Intellectual Property Sections** Halifax, NS March 28, 2013.

“Patent-Secrecy Dynamism in Genetic Testing. Dalhousie University” **Faculty of Medicine, Department of Medical Genetics Rounds** Halifax, NS April 2, 2013.

“The Effects of Exclusion from Inventorship Amongst Emerging Health Researchers” **Canadian Centre for Vaccinology Education Series** Halifax, NS June 8, 2012.

“Unpacking Prometheus. IGNITE: Identifying Genes and Novel Therapeutics to Enhance Treatment” **Annual General Meeting IGNITE Project** Halifax, NS June 6, 2012.

“The Effects of Exclusion from Inventorship Amongst Emerging Health Researchers: Surfacing Our Methodological Choices” **Intellectual Property Scholars Workshop** University of Ottawa, Ottawa, ON May 25, 2012.

“Empirical Research in Health Law Teaching: Analysing Why?” **Canadian Institutes of Health Research. Health Law & Policy Training Program** Curriculum Network Meeting Toronto, ON May 2, 2012.

“Against Appropriating Vaccine Laboratory Assays. Canadian Centre for Vaccinology” **Infectious Diseases Research Day** Halifax, NS April 23, 2012.

“Orphan Drug Policy: Questions of Scope, Incentives, and Architecture” **Genome Atlantic - Rare Diseases Day** Halifax, NS February 29, 2012.

“For Transparency: Institutional Obstacles and Institutional Interests” **Canadian Association for Immunization Research and Evaluation Meeting** Ottawa, Ontario January 18, 2012.

“For Transparency in Personalised Medicines Regulation” **Canadian Institutes of Health Research / Health Canada Multi-stakeholder Workshop on Personalized Medicine** Ottawa, Ontario January 12 – 13, 2012.

“Vaccines, Intellectual Property, and Inter-pandemic Capacity Building” **Canadian Center for Vaccinology Noon Series** Halifax, NS November 24, 2011.

“Law, policies, and ethics: which do I follow?” **Halifax Ophthalmology Symposium** Halifax, NS October 28, 2011.

“Nick and Me Go to MaRS” **Dalhousie University, Bioethics in the City Series** June 9, 2011.

“Secrets of the Drug Trade, Or, Why Isn’t Drug Safety and Efficacy Data Open to Canadians?” **Dalhousie University, Community Health & Epidemiology Seminar Series** March 8 2011.

“Can Patents Shape the Who, How, and What of Academic Science? Evidence from Cancer Epigenetics” **Dalhousie University, Schulich School of Law, Health Law & Policy Seminar Series** February 11, 2011.

“Patents & The Progress of Personalized Medicine: The Case of Biomarkers” **Dalhousie University, Department of Bioethics** Halifax, NS March 30 2009.

“Patents & The Progress of Personalized Medicine: The Case of Biomarkers” **University of Ottawa, Faculty of Law** Halifax, NS February 6, 2009.

“Intellectual Property and the International Competitive Context: Stem Cells & Meta/Half-Truths” **Intellectual Property Reform: Innovation and the Economy. Public Policy Forum** Ottawa, Ontario April 28, 2008.

“Licensing for Knowledge Transfer in Human Genetics Research: A Study of Technology Transfer Practices at Canadian and U.S. Institutions Engaged in Genetics Research. Mapping the Field, Clearing a Path: A Health Canada Workshop on Licensing and Technology Transfer in Human Genetics and Health” **Health Canada** Ottawa, Ontario March 28, 2008.

“Demythologizing PHOSITA: Applying The Non-Obviousness Standard Under Canadian Patent Law To Keep Knowledge In The Public Domain” **Dalhousie University, Faculty of Law**, Halifax, NS January 31, 2008.

“The Market” **Novel Tech Ethics Public Film Series**, Halifax Public Library. Halifax, NS April 29, 2014 (speaker).

“Body Corporate” **Novel Tech Ethics Public Film Series**, Halifax Public Library. Halifax, NS June 11, 2013 (speaker).

“In the Family” **Novel Tech Ethics Public Film Series**, Halifax Public Library. Halifax, NS October 30, 2012 (speaker).

“The Rare Diseases Next Door: A Personalized Approach” **Café Scientifique**, Ottawa, ON January 11, 2012 (panelist.).

“The Flu Shot: Will you get yours?” **Café Scientifique**, Halifax, NS November 10 2011 (speaker).

“The Privatization of Everything” **Ethics Mini-Symposium** Halifax, NS September 20, 2011 (Organizer and Speaker).

RESEARCH GRANTS

The CIHR Emerging Health Researchers and the Commercialization of Academic Science operating grant \$242,770 Canadian Institutes of Health Research, Principal Applicant 2012-2017.

IGNITE: Identifying Genes and Novel Therapeutics to Enhance Treatment \$4,800,000 Genome Canada, Co-applicant PI: C McMaster 2011-2014.

Making the World Health Organization’s Framework for Sharing Influenza Viruses and Benefits Just \$10,500 Public Health Agency of Canada and Canadian Institutes of Health Research Influenza Research Network PCIRN, Principal Applicant 2011-2012.

Privacy Practices: Understanding Patient and Privacy Officer Perspectives, Mapping Barriers to Public Health and Clinical Research \$3,763 Grant Izaak Walton Killam, Principal Applicant July – October 2012.

Bodies Laid Bare in Law, Anatomy, and Culture \$2,250 Royal Society of Canada, Principal Applicant 2012.

Innovation, Collaboration and Impact: Promoting Academic Leadership on Global Poverty Reduction \$54,870 Social Sciences and Humanities Research Connection Grant, Co-applicant 2012.

RESEARCH CONTRACTS

Intellectual Property Practices, Graduate Students & Post Doctoral Fellows: A White Paper. Canadian Association of Graduate Studies \$10,000 with Kelly Holloway. 2014-2015.

Toward Personalized Medicine in Canada: Ethical & Legal Frameworks, Opportunities for Policy Innovation \$22,312.50 Health Canada, Health Sciences Policy Division. Research Report 2010.

Public-Private Partnerships: Sustainability Through Better Intellectual Asset Management The Innovation Partnership. Research Report 2008.

Intellectual Property Issues in Biotechnology: Health and Industry \$10,000 Organisation for Economic Co-operation and Development. OECD Futures Project: The Bioeconomy in 2030 Research Report with E. Richard Gold 2008.

Licensing for Knowledge Transfer in Human Genetics Research – A Study of Business Models for Licensing and Technology Transfer in Human Genetics Patents \$25,000 Health Canada, Health Sciences Policy Division Research Report with Josephine Johnston 2007.

MEDIA INTERVIEWS

Broadcast Interviews

Matthew Herder “Secrets and lies: Faked data and lack of transparency plague global drug manufacturing” Kelly Crowe, The National. CBC TV. June 10, 2016.

Matthew Herder “Pharma launches voluntary guidelines for payment disclosures” Anna-Maria Tremonti, The Current. CBC Radio One. Halifax, NS. April 4, 2016.

Matthew Herder “Re: campaign to improve pharmaceutical data sharing” Bob Murphy, Information Morning. CBC Radio One. Halifax, NS. December 30, 2015.

Matthew Herder “Drug price gouging?” Kelly Crowe, The National. CBC TV. September 22, 2015.

Matthew Herder “Canada should cancel NewLink Ebola vaccine contract, critics say” The Current. CBC Radio One. Halifax, NS. November 19, 2014.

Matthew Herder “Will Canada’s commitment to fund commercial research over basic science backfire?” Special Science Edition with guest host Chris Hadfield. The Current. CBC Radio One. Halifax, NS. 2014 Sep 5

Matthew Herder “Does Canada’s proposed drug recall bill go far enough?” Anna-Maria Tremonti, The Current. CBC Radio One. Halifax, NS. March 14, 2014.

Matthew Herder “Re: access to cystic fibrosis drug Kalydeco” Elizabeth Chin, CBC News at 6. CBC TV. Halifax, NS. December 12, 2013.

Matthew Herder “Re: access to cystic fibrosis drug Kalydeco” Don Connolly, Information Morning. CBC Radio One. Halifax, NS. December 12, 2013.

Matthew Herder “Re: organ donation and financial incentives” Norma Lee MacLeod, Maritime Noon. CBC Radio One. Halifax, NS. November 22, 2013.

Matthew Herder “How a US Supreme Court ruling will affect gene medical research” Don Connolly, Information Morning. CBC Radio One. Halifax, NS. June 17, 2013.

Matthew Herder “Gene patents” Stephanie Domet, Mainstreet. CBC Radio One. Halifax, NS. April 16, 2013.

Matthew Herder “Clinical trials transparency” Afternoon News. CHNI-FM. Saint John, NB. August 30, 2011.

Text Interviews

C Weeks “Report reveals revolving door between U.S. drug regulators and industry” The Globe & Mail September 28, 2016.

E Church “Halifax professor campaigns for increased access to drug-safety data” The Globe & Mail December 22, 2015.

L Eggertson “Ottawa wants your views on drug transparency” Canadian Medical Association Journal May 19, 2015 187:E229-E230

D Bruser, McLean J, Mendleson R “Toronto doctor asks Health Canada about pregnancy drug, gets 212 pages of censored information” April 24, 2015.

R Aiello “Devil’s in the details’ of Vanessa’s Law, say front line health-care workers” Hill Times. February 9, 2015 24.

O Dyer “Canada’s new law strengthens new regulatory powers but is vague on mandatory trial registration” BMJ November 3, 2014 349:g6620

O Dyer “Canadian health ministry is given new powers to tighten drug safety” BMJ. June 24, 2014 348:g4231–g4231.

L Eggertson “House of Commons passes drug safety law” Canadian Medical Association Journal June 23, 2014.

D Zlomislic “Opposition parties attack health minister over drug review secrecy” The Toronto Star April 4, 2014.

D Zlomislic “Bill C-17’s reach should go beyond sellers, says the CMA Journal, to keep bad drugs from being passed on to patients” The Toronto Star March 10, 2014.

J Balsam “Here’s why Health Canada can’t recall dangerous drug” www.vice.com

D Zlomislic “Health Canada’s inability to recall unsafe drugs widely criticized” The Toronto Star November 13, 2013.

D Zlomislic “The agency has no power to recall bad drugs if the manufacturer won’t; Diane-35, yanked for a time in France, is still being prescribed here” The Toronto Star November 9, 2013.

J Beluz “How doctors are boosting their incomes” Canadian Healthcare Network. Needs date.

E Dolgin “Canada’s clinical trial registry” Nature Medicine. July 19, 2013 7:800 01.

M Shuchman “Health Canada’s new clinical trials database should be mandatory News” Canadian Medical Association Journal June 19, 2013.

J Beluz “Clinical trials transparency Science-ish” Macleans Magazine October 30, 2012.

J Beluz “Mandatory clinical trial registration” Macleans Magazine October 23, 2012.

E Dolgin “Online trial registry proposed in Canada lacks teeth, critics say. Spoonful of Medicine” <http://blogs.nature.com/spoonful/2012/10/online-trial-registry-proposed-in-canada-lacks-teeth-critics-say.html> October 19, 2012.

C Weeks “Drug trials should not be information inhibitors” The Globe & Mail September 7, 2011.

C weeks “Clinical trial results should be public” The Globe & Mail August 29, 2011.

Disclose clinical trial data. Toronto Sun August 29, 2011.

TEACHING

Undergraduate Medical Education

Course Leadership

Health Law Thematic Lead, Professional Competencies Unit, Med 1 and Med 2, Faculty of Medicine, Dalhousie University, 2013-present.

Component Head, Professional Competencies Unit, Host Defence Block Unit, Med 1, Faculty of Medicine, Dalhousie University, 2012 Oct-Dec.

Coordinator, Health Law Institute Faculty Lecturing in Clerkship Rotations Med 3, Faculty of Medicine, Dalhousie University, 2012-present.

Course Instruction & Evaluation

Lecturer, Professional Competencies Unit, Med 1, 2010-present.

Tutor, Professional Competencies Unit, Med 1, 2011-2012.

Tutor, Professional Competencies Unit, Med 1, 2010-2011.

Assisted in Development of “OSCE” Stations Objective Structured Clinical Examination for Formative Examination, Professional Competencies Unit, Med 1, Faculty of Medicine, Dalhousie University, 2014.

Served as Examiner of OSCE Station, Formative Examination, Professional 2012.

Competencies Unit, Med 1, Faculty of Medicine, Dalhousie University, 2014.

Lecturer, Legal & Ethical Issues in Assisted Human Reproduction, Ob/Gyn Clinical 2010 – present.

Clerkship Rotation Med 3, Faculty of Medicine, Dalhousie University, 2013-present [monthly 1 hr tutorials].

Lecturer, Regulation of the Medical Profession, Ob/Gyn Clinical Clerkship Rotation Med 3, Faculty of Medicine, Dalhousie University, 2012-2013 [monthly 1 hr tutorials].

Lecturer, End of Life Law & Policy, Internal Medicine Clerkship Rotation Med 3, Faculty of Medicine, Dalhousie University, 2012-present [occasional replacement for Downie J].

Lecturer, Mental Health Law, Psychiatry Clerkship Rotation Med 3, Faculty of Medicine, Dalhousie University, 2012-present [occasional replacement for Gibson E or Wildeman S].

Lecturer, Relations with Industry, Internal Medicine Clerkship Rotation Med 3, Faculty of Medicine, Dalhousie University, 2011 [co-taught with Reid L].

Course Design

Author and Lecturer for “Research in Medicine” Research Ethics Session, Faculty of Medicine, Dalhousie University, 2013 [with Kirby J, Ackroyd-Stolarz S, Angus C, Marrie T].

Author or Co-Author of all health law content on “ProComp Framework Wiki”, Professional Competencies Unit, Med 1 and Med 2, Faculty of Medicine, Dalhousie University, 2013-present.

Co-Author for 8-10 Cases, Professional Competencies Unit, Med 1 and Med 2, Faculty of Medicine, Dalhousie University, 2010-present [each case supports a 2 hr tutorial].

Postgraduate Medical Education

Co-led development of Health Law “e-modules” on a range of topics series entitled “HeLP”, i.e. Health Law Primers for medical residents, with contributions from health law scholars at Dalhousie University, McGill University, University of Ottawa, and York University [HeLP series developed in collaboration with Downie J] 2016.

Author, Medical Negligence and Regulation of the Medical Profession “e-modules” for online health law related education of medical residents, 2013-present.

Royal College of Physicians and Surgeons of Canada, Conflicts of Interest Case for Medical Residents, 2014 [co-author of case with Reid L].

Undergraduate & Graduate Legal Education

Master of Laws Graduate Research Seminar Course, Schulich School of Law, Dalhousie University, 2011-present [guest lectured one class on empirical legal research methods for Devlin R].

Health Care Ethics & Law, Seminar Course, Schulich School of Law, Dalhousie University, 2012 and 2014 [guest lectured one class for Downie J].

Intellectual Property Law, Survey Course, Schulich School of Law, Dalhousie University, 2011 [co-taught with Reynolds G].

Intellectual Property Law, Survey Course, School of Law, Loyola University Chicago, Chicago, IL, USA, 2008.

Patents, Academic Research, Health & Public Policy, Seminar Course, School of Law, Loyola University Chicago, Chicago, IL, USA, 2008.

Bioethics & The Law, Seminar Course, School of Law, Loyola University Chicago, Chicago, IL, USA, 2008.

Thesis Examination

External Examiner, Master of Arts Student, Philosophy, McGill University, 2011.

Supervisory Experience

Lee Wilson, Dalhousie University Research Assistant Co-supervisor with A. Gruzd Ryerson University 2014-2015.

Novel Tech Ethics research group, Co-Supervisor of Post Doctoral Fellows approx. 8 and Research Associates approx. 8, 2010-present.

Kate Goodale, Dalhousie University Research Assistant 2014.

Kelly Holloway, Post Doctoral Fellow, Dalhousie University, 2013-present.

Sarah Visintini, Dalhousie University Research Assistant 2013-2014 [co-supervised with Anatoliy Gruzd].

Ashley Doyle, Dalhousie University Research Assistant 2013-2014.

Alexandra Shoichet, Dalhousie University Research Assistant 2013.

Maryana Hnatyshyn, Master of Laws Student, Thesis, Dalhousie University, 2012-2014 [co-supervised with Elaine Gibson].

Hye Hyun Paek, Medical Student, Medical Citizenship Elective, Faculty of Medicine, Dalhousie University, 2012-2013.

Amanda Whitehead, Dalhousie University Research Assistant 2012-2013.

Melinda McCrindle, Bachelor of Laws Student, Directed Research Paper, Dalhousie University, 2011-2012.

Miranda Spessot, International Development Studies Student, Undergraduate Dissertation, 2011-2012.

Jun Yuan, Dalhousie University Research Assistant 2010-2011.

Stephanie Samson, Dalhousie University Research Assistant 2010-2011.

SERVICE

Service within Dalhousie

University Committees

Senate, Faculty of Medicine Representative, Dalhousie University, 2014-2017.

Visiting Professor in Medical Citizenship, Organizing Committee, Faculty of Medicine, Dalhousie University, 2013-present.

Social Sciences & Humanities Research Ethics Board, Dalhousie University, 2010-2013.

Service outside Dalhousie

Advisory Committees

Canadian Centre for Vaccinology. Advisory Committee Member, 2012-2015.

Scholarly Review Activities

Grants Panels

Canadian Institutes of Health Research. Humanities, Social Sciences, Law & Ethics in Health Peer Review Committee Member, 2014.

Ad Hoc Grant Peer Review

Canada Foundation for Innovation, John R. Evans Leaders Fund, Funding for research infrastructure, 2015.

Social Sciences & Humanities Research Council, 2011.

Canadian Institutes of Health Research, 2010.

Ad Hoc Manuscript Review

Canadian Medical Association Journal
Science and Engineering Ethics
Cell Stem Cell
PLOS Medicine
British Journal of Clinical Pharmacology
University of British Columbia Law Review
Alberta Law Review
Journal of Law
Medicine & Ethics,
Health Law Journal
McGill Journal of Law & Health
Health Reform Observer,
Canadian Journal of Law and Technology
Healthcare Policy
Peer J
IRB: Ethics & Human Research
BMC Biomedical Ethics.

Government Consultations

Annual Researcher Forum Patented Medicines Pricing Review Board. Ottawa, Ontario
October 4, 2016.

Summary Basis of Decision Phase II, External Consultations, Health Canada, Government
of Canada. Ottawa, ON. November 3, 2011.

Technical Discussions on Regulatory Modernization, Health Canada, Government of Canada. Ottawa, ON. November 2010 November - January 2011.