

**DONALD CHARLES COLE**  
**CURRICULUM VITAE**

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## Part B – BIOGRAPHICAL INFORMATION

### PERSONAL

#### HOME

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 Toronto, ON M6R 2<sup>9</sup>  
 &  
 Farm - Fair Fields CSA, 221689  
 Concession 14, RR1 Neustadt ON, N0G  
 2M0  
**Cell:** 647-529-4623

#### OTHER

D.O.B: October 12, 1952  
 Citizenship: Canadian  
 Languages: English, Spanish, French

### 1. EDUCATION

- 1970-72 **BSc** Program, Faculty of Arts and Sciences, University of Toronto (only 2 years pre-med required at that time)
- 1972-73 Music & French as a 2<sup>nd</sup> Language, Université de Paris (X) – Vincennes
- 1973-78 **MD**, Faculty of Medicine, University of Toronto
- 1979 Postgraduate course in the Epidemiology of Tropical and Parasitic Diseases, Division of Community Health, University of Toronto
- 1987- 91 Community Medicine residency programme, McMaster University
- 1987 Tutorial Skills for Small Group Learning Workshop, McMaster Faculty of Health Sciences
- 1989 **DOHS** or Diploma in Occupational Health and Safety, Occupational Health Program, McMaster University
- 1990 **FRCP(C)** in Occupational Medicine
- 1991 **MSc** in Design, Measurement and Evaluation of Health Services, Department of Clinical Epidemiology and Biostatistics, McMaster University.
- 1992 **FRCP(C)** in Community Medicine
- 1995 Summer graduate course in Reproductive Epidemiology, University of Michigan, School of Public Health, Department of Epidemiology.
- 2009 Centre for Faculty Development workshop on Designing Educational Research
- 2010 Centre for Faculty Development workshops on Writing Abstracts for Educational Journals, Applying Learning Theories to Teaching Problems
- 2010 Centre for Teaching Support and Innovation workshop series on Engaging Learners – promoting critical thinking
- 2012-13 Centre for Faculty Development workshops on Mentoring I & II, Use of theory in qualitative analysis, Role modelling
- 2013 **Core Foundations in Educational Research** certificate

- 2014 Faculty Institute on Community-Engaged Learning, and Community-Engaged Learning Course Design Institute. Centre for Community Partnerships, University of Toronto
- 2021 Indigenous Cultural Safety Training Certificate through San'yas.
- 2023 Review Course in Family Medicine, Toronto

## **2. UNIVERSITY STATUS & EMPLOYMENT**

### **UNIVERSITY OF TORONTO:**

#### **Emeritus Professor**

Public Health and Preventive Medicine/Epidemiology, Dalla Lana School of Public Health, University of Toronto: 2005- 2014 associate, tenured full professor 2014 – 2019, Emeritus as of July 1 2019

#### **Full Member**

School of Graduate Studies, University of Toronto, 2004-  
School of the Environment, University of Toronto, 2001-2011, 2013-

#### **General Member**

Wilson Centre for Educational Research: 2007-

### **UNIVERSITY OF TORONTO ROLES/COMMITTEES (SELECTED):**

- 2002, 2007 **Member**, Occupational Hygiene Faculty Selection Committee
- 2002-2005 **Member**, DPHS Yearly Faculty Review (PTR) Committee
- 2003-2008 **Member**, Collaborative Program in Environment and Health Committee
- 2004-2006 MHS<sub>c</sub> **Associate Programme Director** in CH&E
- 2006-2008 **Member**, Environment Round Table (convened by the Provost's office)
- 2006-2007 **Chair**, Management Task Group, Public Health Sciences
- 2008-2012 + Jan-Aug 2014  
**Director** (Founding), Collaborative PhD in Global Health and chair of Program Committee
- 2010-2012 **Head**, Assessment and Evaluation Committee, Epidemiology, DLSPH
- 2011 **Member**, Transitional Strategic Steering Committee, DLSPH
- 2011-2014 **Head**, Division of Global Health, Dalla Lana School of Public Health
- 2012 **Member**, Public Health and Preventive Medicine Sustainability Task Force
- 2012 **Member**, Strategic Planning Committee, Joint Centre for Bioethics
- 2012-2013 **Interim Director**, Institute for Global Health Equity & Innovation
- 2013-2014 **Interim Associate Director**, Academics, IGHEI: 2013-2014
- 2015 -2017 **Co-Chair**, DLSPH School Council
- 2015 **Co-Chair**, Teaching Innovation Sub-Committee of DLSPH Strategic Planning Committee
- 2015-2018 **Chair**, Teaching Evaluation Committee for Promotion, DLSPH
- 2019- **Member**, Academic Project sub-Committee of the Public Health & Preventive Medicine Residency Program

### 3. EMPLOYMENT & APPOINTMENT HISTORY

#### ACADEMIC/RESEARCH (SELECTED):

- 1993-2001 **Member**, Program Committee, Community Medicine Residency Program, McMaster University
- 1993-1997 **Research Fellow**, Eco Research, Chair in Environmental Health, McMaster University
- 1994-2001 **Associate Professor**, Department of Geography and then School of Geography & Geology, McMaster University
- 1994-2001 **Cross-appointment** to Department of Clinical Epidemiology and Biostatistics, McMaster University, and **Adjunct appointment** to Department of Preventive Medicine and Biostatistics and then Public Health Sciences, University of Toronto
- 1995-1996 **Director**, Community Medicine Residency Program, McMaster University
- 1997-1999 **Interim Director** of Research, Institute for Work & Health
- 1999-present **Senior then Adjunct Scientist**, Workplace Studies, Institute for Work & Health
- 2001-2004 **Associate Professor** (tenure stream), Department of Public Health Science, University of Toronto
- 2001-present **Associate Scientist**, International Potato Center (CIP)
- 2004-present **Researcher**, Center for Research Expertise for Musculoskeletal Disorders (CRE-MSD)
- 2004-2012 **Cross-appointment** to Faculty of Health Sciences, University of Waterloo
- 2015 **Visiting professor**, University of Warwick, UK
- 2018 **Visiting professor**, Universidad San Francisco de Quito, Ecuador

#### COMMUNITY (SELECTED):

- 1980 **Occupational Physician**, Leaside Medical Associates, Toronto
- 1980-1983 **Staff Physician**, York Community Services in a multi-ethnic community. Hospital Appointments in Departments of Family Practice: Humber Memorial Hospital (Associate Staff), Northwestern General Hospital (Courtesy Staff)
- 1983-1984 **Medical Consultant**, Wellness for Seniors Health Kit - contract for Health Promotion Directorate, Health and Welfare Canada
- 1984-1985 **Occupational Physician**, Occupational Health Department, Division of Hygiene and Epidemiology, Ministry of Health, Nicaragua - CUSO placement
- 1985-1986 **Epidemiologist/Health Educator**, Pesticide Health and Safety Program, CARE Nicaragua
- 1987 **Practicum Student**, Medical Advisory Service, Canadian Centre for Occupational Health and Safety, Hamilton ON
- 1991-2001 **Occupational and Environmental Physician** (part-time), Lakeshore Area Multi-service Project (LAMP), Toronto
- 2012-present **Occupational physician** (part-time), Occupational Health Clinic for Ontario Workers

- 2018 **Physician**, Grand River Community Health Centre, Migrant Agricultural Worker Outreach Clinics in Simcoe, ON
- 2020-2021 **Physician consultant** (part-time), Grey Bruce Health Unit
- 2020-2023 **Physician appointments- locums**, Brockton Area Family Health Organization – South Bruce-Grey Health Centre,
- 2020- Brightshores Health System appointment
- 2023– Provincial e-consult service, primarily occupational medicine

#### **CONSULTING/CONTRACT ACTIVITIES:**

- 1980 **Co-Author**, City of Toronto Department of Public Health, report "The Chemical Society"
- 1982 **Community Health Consultant**, Centro Sperimentale de Educazione Sanitaria, Perugia, Italy re popular participation in health
- 1987 **Development Consultant**, OXFAM Canada re women's agricultural health and safety project in Nicaragua
- 1988-1990 **Epidemiological Consultant**, with Dennis Willms and Elizabeth Lindsay. Scott-McKay-Bain Health Panel on Health Services in the Sioux Lookout Zone
- 1989-1990 **Health Consultant**, Big Trout Lake Band re Community Health Development Plan
- 1992 **Evaluator**, Canadian Public Health Association. Bolivian Occupational Health and Safety Training Project
- 1990-92 **Occupational Health Expert**, Public Health Coalition. Intervenor with Environmental Assessment Board for Ontario Hydro's 25 Year Demand Supply Plan
- 1992-1997 **Research Consultant**, Ontario Workers' Compensation Institute
- 1993 **Public Health Consultant**, Hamilton-Wentworth Department of Public Health Services. Development of teaching modules in environmental health for community medicine residents
- 1993-1994 **Occupational Epidemiology Consultant**, Industrial Disease Standards Panel
- 1994 **Environmental Epidemiologist**, Port Maitland Health Effects Study Committee
- 1995 **Environmental Epidemiology consultant**, Halton Regional Health Unit
- 1997 **Medical Consultant in Environmental Health**, Ontario Ministry of Health
- 1998-2000 **Medical/Environmental Health Consultant**, Bio-Regional Health Effects Division, Health Canada
- 2002 **Environmental/Community Medicine Consultant**, Region of Ottawa-Carleton, Dept of Public Health and Long-Term Care
- 2002- 2019 **Environmental Epidemiology/Risk Assessment Consultant**, Toronto Public Health
- 2012-2018 **Environmental Medicine Consultant**, Health Canada
- 2013 (Sept) **Environmental Health Expert**, International Joint Commission Health Professionals Task Force Meeting
- 2013-2020 **Evaluation Consultant**, Liverpool School of Tropical Medicine

2013-2014	<b>Public Health Consultant</b> , Grey Bruce Health Unit
2017-2018	<b>Strategic Planning Refresh Consultant</b> , Wilson Centre for Education Research in the Health Professions
2019-present	<b>Occupational, Environmental and Public Health Medicine Consultant</b>

#### **4. HONOURS and AWARDS** (Selected)

##### **GRADUATE:**

1988 Ontario Ministry of Labour, Training Bursary (CDN 1000)

##### **CAREER:**

2003 Department of Public Health Sciences Performance Evaluation and Salary Award, Surpasses Expectations, \$3,162

2008 Royal College of Physicians and Surgeons of Canada, International Travelling Fellowship, \$10,000

2011 Robin Badgley Award for Teaching Excellence in Public Health Sciences – open competition

2014 Best Module award for Module 13E, Environment and Health of the Global Health Education Initiative

2015 Vic Neufeld Mentorship Award in Global Health Research – Canadian Coalition for Global Health Research

#### **5. PROFESSIONAL AFFILIATIONS AND ACTIVITIES** (Selected)

##### **CURRENT PROFESSIONAL ORGANIZATIONS:**

**Fellow**, Royal College of Physicians and Surgeons of Canada in Occupational Medicine (1990) and Community Medicine (1992) (#413045)

**Member**, Ontario Medical Association (#0207548)

**Member**, College of Physicians and Surgeons of Ontario (#31128)

**Member**, Canadian Medical Protective Association (#545414)

**Member**, Canadian Association for Research on Work and Health

**Member**, Canadian Food Studies Association

##### **EXTERNAL GRANT COMMITTEES:**

1987-1989 Ontario Pesticide Advisory Committee: reviewed and awarded pesticide research grants

1993-1994 St. Lawrence Health Effects Program/FRSQ

1995 National Health Research and Development Program: Environmental and Occupational Health

2001-2005, 2008-2019 Canadian Institutes of Health Research (CIHR): Public, Community and Population Health

- 2004-2005 CIHR-IDRC Communities of Practice in Ecosystem Health peer review committee
- 2007 Fonds de Recherches en Sante du Quebec (FRSQ), Strategic Research Program Grants
- 2010 IDRC EcoHealth Leadership Awards
- 2020 SSHRC - [Living within the Earth's Carrying Capacity](#) Knowledge Synthesis Grant (LECC KSG for short.)
- 2021 CIHR – Health Research Training Program

### FELLOWSHIP AWARDS COMMITTEES:

- 2004-2006 IDRC Agropolis (Cities Feeding People), Selection & Evaluation Committee
- 2003-2007 STIHR in Work Disability Prevention Research, Selection Committee
- 2006 L'institut de recherche Robert Sauvé en santé et en sécurité du travail (IRSST), Research awards in Ergonomics, Committee member

### JOURNAL REFEREE:

- 2003- Acta Tropica
- 1999- American Journal of Epidemiology
- 1996- American Journal of Industrial Medicine
- 2002- American Journal of Preventive Medicine
- 2011- American Journal of Public Health
- 2004- Applied Ergonomics
- 2003- Archives of Medical Research
- 2018- BMJ Global Health
- 2017- BMJ Open
- 2018- Canadian Food Studies
- 2009- Canadian Foreign Policy
- 2015- Canadiana Journal of Higher Education
- 1996- Canadian Journal of Public Health
- 2009- Canadian Foreign Policy
- 1999- Canadian Medical Association Journal
- 1995- Chronic Diseases in Canada
- 2013- Critical Public Health
- 2012- Development in Practice
- 2004- EcoHealth, **Review Editor 2013-2017**
- 2009- Ecology of Food and Nutrition
- 2012- Environment International
- 2015- Environmental Management
- 2015- Environmental Research
- 2017- Evaluation and Program Planning
- 2018- Gates Open Research
- 2013- Global Health Promotion
- 2013- Global Public Health
- 2009- Health and Place
- 2001- Health Reports
- 2010- Health Research and Policy Systems **Editorial board 2014-2017**

2003- Injury Prevention  
 2007- International Archives of Occupational and Environmental Health  
 2010- International Health & Human Rights  
 2013- International Journal of Child Health & Nutrition  
 2018- International Journal of Comparative Sociology  
 2014- International Journal of Equity and Health  
 2008- International Journal of Occupational and Environmental Health  
 2015- International Journal of Environmental Research & Public Health  
 2016- International Journal of Health Policy and Management  
 2014- Journal of Bioethical Inquiry  
 2016- Journal of Exposure Science and Environmental Epidemiology  
 2017-18 Journal of Fungi **Special series on burden co-editor 2017-18**  
 2009- Journal of Health and Place  
 2023- Journal of Hunger and Environmental Nutrition  
 2007- Journal of Occupational and Environmental Medicine  
 2004- Journal of Occupational Health Psychology  
 2016- Journal of Public Health  
 2001- Journal of Rheumatology  
 2001- (BioMedCentral) Medical Research Methodology  
 1992- New Solutions  
 2005- Occupational and Environmental Medicine  
 2011- Open Ergonomics  
 2012- (BioMedCentral) Public Health  
 2023- PLoS Climate Change  
 2010- Public Health Nutrition  
 2014- Research Evaluation  
 2014- Revista PanAmericana de Salud Publica (Pan American Journal of Public Health)  
 2015- Risk Analysis  
 2023- Rural Mental Health  
 2003- Science of the Total Environment  
 1998- Social Science and Medicine  
 2013- Social Studies of Science  
 2011- Tropical Animal Health and Production  
 2012- Vertigo

#### **BOOK MANUSCRIPT REVIEWS:**

2007 For Routledge on Global Public Health, subsequently published  
 2012 For Oxford on Food Security  
 2013 For Oxford on Research Mentorship

#### **SCIENTIFIC COMMITTEE MEMBER (AND ABSTRACTS REFEREE):**

2001-2002 International Pesticide Conference, Society of Occupational & Environmental Health



2004-2007	PREMUS (Prevention of Musculoskeletal Disorders), International Commission on Occupational and Environmental Health
2005-2006	Canadian Association for Research on Work and Health
2008	International EcoHealth Forum (Merida, Mexico)
2013-2014	Ecohealth 2014 Program Committee (Montreal, Quebec)
2018	Migration, Work and Health Scientific Committee (Toronto, ON)

#### **EXTERNAL GRANT REVIEWS:**

1987-1998	Alberta Occupational Health and Safety
1996-1999	Great Lakes Research Consortium
1997 -	Medical Research Council/Canadian Institutes of Health Research
1999-2004	Institut de Recherche Robert Sauvé en Santé et en Sécurité du Travail (IRSST)
1999-2003	Northern Contaminants Program, Health Canada
1999-2008	Ontario Workplace Safety and Insurance Board
1999-2003	Fondes de Recherche en Santé du Québec
1999-2003	Social Sciences and Humanities Research Council
2003-2008	Michael Smith Foundation
2003 & 2015	Welcome Trust
2003	US National Institutes of Health, Fogarty Centre
2004-2007	CRE-MSD Seed grant committee
2005	HSPRSN Operating Grants Competition External Review
2011	Max Bell Foundation
2012	IDRC Ecohealth Platforms
2014	MITACs
2015	CRC Tier One Chair renewal
2022	Tri-Council Canada First Research Excellence Fund

#### **EXTERNAL ETHICS REVIEWS:**

2015	Toronto Public Health for Public Health Agency of Canada grant
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#### **EXTERNAL REFEREE for Academic Colleagues:**

2011	Renewal of Canada Research (Tier II) Chair in Health Geography, University of Western Ontario
2015	Promotion to full professor, Health Sciences, Brock University.
2018	Tenure review letter for Dept of Epidemiology, University of Michigan
2019	CRC Chair tier 2 reference, Université du Québec à Montréal.
2022	Tenure review letter for Dept Population Health, University of Guelph

#### **OTHER:**

1982-1983	<b>Member</b> , Community Health Centre/Health Service Organization Evaluation Committee
1987-1989	<b>Member</b> , Ontario Pesticide Advisory Committee (OPAC) advising the Minister of the Environment

- 1989 **Representative**, Environmental and Occupational Health Division, to Planning Committee for OPHA Annual Conference in Hamilton, Nov 1989
- 1992-2000 **Corresponding Member**, Ontario College of Family Physicians Environment Committee
- 1995-1999 **Member**, Expert Working Group, Pesticide Exposure Study, Health Canada
- 1999-2001 **Member**, Epidemiology Advisory Panel, NSERC Strategic Grant on Exposure Biomarkers for Drinking Water DBPs
- 1999 **Member**, Expert Review Panel on Inhalable/Respirable Particulates for CRESTECH/NERAM (Network on Risk Assessment and Management)
- 1999-2002 **Member**, MSF Aral Sea Area Operational Research Advisory Committee
- 2003-2005 **Technical Committee member** of Strategic Initiative on Malaria and Agriculture
- 2005 **Member**, cross-Canada human resources planning workshop for Public Health Agency of Canada
- 2005-2006 **Member**, Implementation task force for Ontario Health Protection and Promotion Agency
- 2006 **Member**, Masters' in public health guidelines development group for Public Health Agency of Canada
- 2007-11 **Member**, Research Ethics Board of Health Bridge (Canadian global health NGO)
- 2007-09 **Management Team Member**, Agriculture and Health Research Platform
- 2010-14 **Co-Chair**, Public Health & Primary Care Working Group, AMPATH
- 2012-19 **Member**, Research & Evaluation Committee, Canadian Community of Practice in Ecosystem Health (COPEH-Can)
- 2012-2015 **Member**, Comite Aviseur/du Conseil, Santé-CAP (STIHR on GH research training)
- 2013-2015 **Member**, Healthy Harvests Research Consortium
- 2014-2016 **Member**, Advisory Cttee on Evaluation of the STIHRs (Strategic Training Initiatives for Health Research) for CIHR
- 2014-2016 **Member**, Scientific Working Group on Research Capacity Strengthening and Knowledge Management, TDR-WHO
- 2014-2019 **Member**, Ontario Ecohealth Collaborative Steering Committee
- 2015- 2022 **Senior Adviser**, Global Action Fund for Fungal Infections (GAFFI)
- 2016-2017 **Member**, Academic Advisory Cttee to Foodshare
- 2018-2020 **Member**, Advisory Cttee on Social Prescribing pilot, Alliance for Healthier Communities
- 2020 - 2022 **Member**, Bruce Grey Climate Change Task Force, Going Green in Grey: Climate Change Action Plan 2022-2050.  
<https://www.grey.ca/government/climate-action>
- 2021- **Member**, Migrant Worker Health Expert Working Group  
<https://www.migrantworker.ca/expert-working-group/overview/>
- 2022- **Member**, Ontario WSIB Occupational Disease Scientific Advisory Table
- 2022- **Member**, Workplace Health Without Borders – International Labour Organization Technical Advisory Group for Project on Child Labour in Vanilla Production in Madagascar
- 2022-2023 **Member**, Canadian Institute of Social Prescribing Community of Interest

2023- **Member**, Technical Expert Group on Social Prescribing, Centre for Effective Practice

## 6. CREATIVE PROFESSIONAL ACTIVITIES STATEMENT

As evidenced by my *Employment and Appointment* history in Community and Consulting/Contract activities (Part B.2 above), I have a long history as a primary care and occupational, environmental and public health practitioner. Shortly after medical school, I worked at an occupational medicine clinic close to an industrial park, followed by work at an urban community health centre (YCS), a regional department of public health, and a national non-governmental organization (CARE-Nicaragua). In this way, I have combined individual care, meso-level institutional and organizational interventions, and broader policy work, as different ways of addressing physical and social determinants of human health. For example, in Nicaragua in the mid 1980's, I was involved with multiple sectors (health, education, labour, environment, agriculture) in epidemiological surveillance, health education (see Other Courses Taught in Teaching & Education Part H) and policy formation around the use of pesticides, agricultural production and health during a dramatic period of social change (Report #3, international peer reviewed presentation #56).

As an occupational/environmental physician at a multi-service centre (LAMP), I provided literature references with patient consultations, assessed hazards, conducted surveys, and wrote reports framed within the relevant evidence base. Throughout, I assisted residents, municipal organizations, and workplace parties in resolving health issues in a collaborative fashion. I am particularly attracted to processes that respect the *adult learning* potential of many professional activities. For example, I worked with McMaster university colleagues and community stakeholders to share understandings of air pollution and scope out ways of monitoring air pollution and its health effects that would make sense to stakeholders and health researchers (Published refereed paper # 29, and provincial presentations under Knowledge Translation activities). During my Community Medicine residency, I worked with colleagues on a set of Training Modules in Environmental and Occupational Health for public health professionals wanting to learn more about toxic exposures and appropriate responses. We embedded key new information in gradually unfolding scenarios, highlighting skills at each stage and emphasizing *cross-disciplinary* and *cross-institutional* (Ministries of Health, Labour and Environment) *collaboration* (Report #4).

When asked by Health Canada colleagues to join efforts to explore the issue of environmental contaminants and fish consumption, I worked closely with them to bring together *multidisciplinary teams* and a variety of stakeholders groups. The work involved sharing approaches with environmental health policy makers in the International Joint Commission and survey results with members of Remedial Action Plans (Reports #19 and #21). These citizens came from diverse backgrounds to assess and clean up water bodies in their local communities, and actively lobbied for our research and interpreting it to fellow citizens in their contaminated Areas of Concern. I continue to be called upon by the International Joint Commission's Health Professionals

Task Force – witness an expert consultation in Toronto on linking health and environmental data bases last week (2013 September 30).

Working on improving environments that influence human health has often meant my *working with institutions in sectors other than health*. For example, the invitation to work on pesticide problems among small potato farmers in northern Ecuador came from agricultural economists affiliated with the International Potato Centre (CIP), one of the Consultative Group for International Agricultural Research ([www.cgiar.org/](http://www.cgiar.org/)). CIP's collaboration with the National Agricultural Research Institute and groups of farmers was the essential context in which to learn about the constraints which farmers felt kept them using pesticides and to model different ways of engaging in agricultural production to reduce risk and improve ecosystem health. Such work necessarily involves many presentations to and meetings with community groups, municipal and provincial political representatives, and national level stakeholders – partially represented in *Knowledge Translation and Exchange (KTE)* activities (Part G below). We have provided written descriptions of the processes involved in moving smallholder agricultural production to better health and greater sustainability in Ecuador (Chapters #24 & #32). I have been invited to make presentations on this work to the Canadian public, the international development community in Canada and global policy-makers and to give numerous interviews with the media and describe the work in lay publications. A measure of my impact at CIP was the invitation to be a keynote speaker and theme facilitator to think through how CIP could assist with meeting the Millennium Development Goals relevant to maternal and child health, as part of their strategic planning meeting in Nov-Dec 2002. My input was instrumental in their creating a new Health and Agriculture Division, which I headed during my sabbatical in 2008-2009 (see support letter). I represented CIP on the Management Team of the Agriculture and Health Research Platform in consultations with inter-governmental organizations such as the World Health Organization, Food and Agriculture Organization and International Labour Organization (June 2009).

As Interim Scientific Director and then Senior Scientist at a mission-oriented research institute, the Institute for Work & Health, I honoured our *commitment to engagement, research collaboration and knowledge transfer and exchange* (see website at [www.iwh.on.ca](http://www.iwh.on.ca)) with health practitioners, workplace parties and policy makers – evidenced in the *Research, Education, Practice and Policy Reports* and *Knowledge Translation/Dissemination* subsections of Part G (see support letter). Health practitioners included occupational and environmental physicians with whom I have shared evidence-based guidelines, as well as physiotherapists, health educators, employee assistance providers, and occupational health nurses. Workplace parties included union groups, health and safety associations and members of joint health and safety committees in specific workplaces, not only as part of public health intervention research, but also as social actors willing to push for change – witness the multi-stakeholder future search process on repetitive strain injuries in which I acted as a sponsor, participant and speaker. I have made continuing education presentations to decision-makers at the Workplace Safety and Insurance Board, most recently on migrant farm workers' health, safety and compensation (2013 August 23). This work is conducted with a very engaged group of colleagues linked with the International Centre

for Migration Research (Wilfred Laurier University) and the Occupational Health Clinic for Ontario Workers ([www.migrantworkerhealth.ca/Welcome.html](http://www.migrantworkerhealth.ca/Welcome.html)). My roles are as an experienced clinician, researcher, and also as an expert in a human rights case around the death of a migrant farmworker.

With the Centre for Urban Health Initiatives, a CIHR research development centre based at U of T, and working with a health geography and nutrition colleague, I explicitly emphasized campus-community partnerships around food and environmental health issues. We worked with ethnic community organizations (Published refereed paper #156) and Toronto Public Health in understanding and evaluating uptake of their pesticide reduction approaches (Published refereed paper #141). In addition to consulting work with environmental health colleagues (Part B, Part2), a PhD student and I worked closely with public health at municipal and provincial levels to explore alternative ways to monitor morbidity (Published refereed paper # 126) and intervene during heat alerts (Published refereed paper #129) (see support letter).

In my involvement with the Canadian Coalition for Global Health Research as co-chair of the Capacity Strengthening Program, I was involved in multiple organizational activities including workshops, fora, collaborations with APHRC & CARTA (see support letter) and the mentoring of colleagues newer to global health research. The latter work led to research funding. a peer-reviewed paper (#194, see more under Teaching) and, with the support of DLSPH and other colleagues, the inaugural Vic Neufeld Mentorship Award in Global Health Research.

For the CIHR-funded Strategic Training Initiatives in Health Research (STIHRs) I led a review of mid-term reports in relation to innovation, evaluation and sustainability (Report #86). Initial feedback was very positive e.g. email from Patrick Loisel 27/09/2013 “This is a very interesting report and communicates well to CIHR our common will and need to continue our mission in educating young researchers and developing thematic health communities of researchers and trainers. ... Thanks to Donald for assembling and synthesizing our efforts and perspectives in these programs.” After the last teleconference in the spring of 2016, Shevaun Corey, Senior Evaluation Analyst in CIHR’s Performance and Accountability Branch thanked us for our “participation in the STIHR Evaluation working group. Specifically, for the time and valuable feedback that you have provided at various points in time since the evaluation’s inception.” (2016 Apr 25 email)

Further, the Health Research Capacity Strengthening Initiative of Malawi, sub-Saharan Africa, contracted colleagues from Liverpool School of Tropical Medicine (LSTM) and Malawi and me to evaluate their last six years of work (part H, Education funding, Contracts). This was a fascinating process involving a DLSPH doctoral student, in which we have the trust of multiple stakeholders and the responsibility to provide guidance to them on continuing to building health research capacity (see peer review paper #204). I continue as an arm’s length evaluation consultant with LSTM for a Royal Society capacity strengthening initiative funded by the UK Department for International Development and a Wellcome Trust funded initiative, Developing Excellence in Leadership, Training and Science (DELTA) Africa Initiative, in which I chaired the Learning Research Project Advisory Panel. As a Senior Adviser to the Global Action

Fund for Fungal Infections (GAFFI), I have brought epidemiological and public health expertise, with substantial assistance in documenting both burden of disease (#147 in Bull WHO, and most recent, #215) and combined clinical – public health responses (#223 Lancet ID 2017).

As the DLSPH representative on the steering committee of EcoHealth Ontario (<http://www.ecohealth-ontario.ca/> - Trillium funding), and an active member of the Research Working Group, I became increasingly involved with practice communities, in both public health and conservation construed broadly.

This has carried over into my increasing re-involvement in rural primary care, where I have expanded it to include an eco-social framing to both determinants of health and responses. Hence my involvement in the social prescribing initiatives as a practitioner.

## Part C – ACADEMIC PROFILE – RESEARCH STATEMENT

### Main research interests

I have a long-standing interest in the complex relationships between *physical and social environments and human health*. My principal contributions have been in the areas of: a) contaminated fish consumption and human health; b) agriculture and human health; c) work-related musculoskeletal disorders; and d) global health (the last not elaborated here).

### Research orientation

My interests started in medical school and carried on into my professional practice (see Part B, Sn4). As a student health activist, I wanted not only to understand but also to change conditions which affected people's health. My earliest forays into scholarship shared lessons on a unique community health centre program that worked with stakeholders on workplace interventions to reduce hazards (Part E, Published refereed paper #2).

As an academic, my social commitment has led me to a suite of activities that involve the scholarships of discovery, integration and application (Boyer 1990). The first involves primary research, the second systematic and synthetic reviews with knowledge exchange, and the third combines public health intervention research and knowledge translation, blended into creative professional activity. In my primary research in the fields of occupational and environmental health, and more recently in global health, I have led a number of challenging projects that used mixed methods from different disciplinary traditions and pushed research teams to apply more sophisticated conceptual frameworks or statistical methods. An early example of developing a conceptual framework and applying the appropriate analysis was a paper I led on work and life stressors as determinants of psychological distress in a representative Canadian population. We used structural equation modeling to combine measurement models of stressor constructs (e.g. work-related stress) and their paths of influence on the outcome (Published refereed paper #52).

For me, this fascination with research ideas and methods applied to socially important questions, provide me an ongoing source of inspiration to keep at it, through the many challenges which research can pose! An example of the latter is my perseverance in working with repeated measures collection of surface electromyography (EMG) data (1995-2001) in our NIOSH funded project. Biomechanics colleagues had to carry out meticulous windowing of the data and variable construction of a range of EMG variables. Biostatistician colleagues worked through substantial descriptive analysis and then embarked on multivariate, longitudinal analyses. We split our findings into a report and a paper which demonstrated correlated change in EMG activity across muscle groups and associated with exposure changes during the workplace intervention (#153 in 2012).

### **Substantive Areas**

Within the broad field of *physical and social environments and human health*, my substantive interests been guided both by my interests and the opportunities at hand. For example, when asked to join a national Pesticide Health and Safety team in Nicaragua in the mid-1980's, I led the epidemiological surveillance of pesticide sub-clinical and clinical poisonings, sparking my long-standing interests in pesticides and health specifically, and *agriculture and health* more generally. Similarly, although my masters' thesis was a design of a workplace intervention for *work-relevant musculo-skeletal disorders*, it was not until I was offered a part-time position at the Institute for Work and Health that I could undertake systematic reviews, then primary research within teams, then (as full time Interim Director and Senior Scientist) leading teams of researchers in *workplace intervention research*. My interest during medical school in environmental contaminant intake and fish consumption was sparked when I drove a busload of supporters to a conference on mercury poisoning associated with pulp and paper factory pollution, organized by the Grassy Narrows First Nation in the mid-1970's. This did not become a research area until I was in a post-doctoral position at McMaster University and Health Canada wanted a team to measure *contaminants in high consumers of Great Lakes fish* – I took the opportunity. The growing demand by trainees for *global health research* supervision at the University of Toronto pushed me to draw upon my research experience in low- and middle-income country settings in order to supervise them across a range of global health topics outside my earlier methodological or subject area expertise. In this sense, my own research career reflects my learning from evaluating intensive research training in global health and undertaking synthetic reviews of global health research capacity strengthening, namely that national and institutional context (research demand, funding and supports) are important drivers of researcher focus and productivity.

Here I briefly summarize activities and contributions in each substantive area, from the time I was first paid as a researcher during my research fellowship in environmental epidemiology.

#### **a. Contaminated fish consumption and human health**

I brought together a team of researchers (anthropologist, sociologist, nutritionists, laboratory chemists, data analyst-statisticians) using *combined quantitative and*

*qualitative techniques to characterize perceptions and levels of risk and benefits* of a relatively elusive group -- high consumers of fish and wildlife in predominantly urban locations of Southern Ontario Areas of Concern (1995-2001). We generated a series of papers, including those biologically focused on contaminant burdens associated with fish consumption (Part E Published refereed paper #69) and, from a medical-anthropological perspective, perceptions of fish consumption among anglers (Published refereed papers #112). Our work contributed to a shift in understanding among Canadian environmental health policy makers regarding the balance between benefits and risks of such consumption, both in Areas of Concern, and at the federal level within Health Canada. Recently work with a doctoral student and public health colleagues among newcomer women, highlighted the latter's greater exposure to metals (Published refereed papers #212 & 229, and under review one on mercury and fish consumption).

#### **b. Agriculture and human health**

I led a multi-disciplinary team (occupational and environmental health physician, social medicine researcher, neuropsychologist, laboratory scientist, biostatistician) in the documentation of burden of illness from pesticide poisonings and ongoing exposure in small-holder agriculture (Published refereed paper #25, 25 cites, 2.2 citations per year on average). Economist colleagues in the overall project used our epidemiological results in simulation models to predict reductions in productivity associated with neurotoxic impacts, a rare demonstration in the literature (Published refereed publication #22, Contributed chapters to books #5-8). On the basis of our findings, we convinced the International Development Research Centre (IDRC) to fund us for *intervention evaluation work* using a multi-pronged strategy in a small set of communities. Here the analyses I led demonstrated an almost one standard deviation improvement on a WHO standardized neurobehavioural outcome battery (Published refereed paper #103).

Ecuadorian colleagues and I scaled up the intervention to multiple communities in three provinces of Ecuador. We analysed the impact of our public health and agriculture interventions using mixed methods and path analysis to demonstrate the important role of community leadership in moderating the intensity of the interventions in each community and the associated changes in knowledge and practices among household members (Published refereed paper #136, lead author a co-supervised Ecuadorian PhD student). Complementary to this was a multilevel analysis I led which demonstrated the persistent effect of community level deprivation on change in a neurobehavioural health outcome between measures collected before and after the interventions, controlling for individual education and household assets (Published refereed paper #145). This analysis underlines the challenges that public health intervention researchers, program staff and policymakers face in efforts to reduce health inequities – both the lifetime effects of deprivation in people and the historical residue of social deprivation of communities in rural areas.

I have reflected upon these experiences in the broader context of *ecosystem health* approaches in an historical overview of IDRCs fostering of ecohealth research in Latin America (my first application of historical methods- Published refereed paper # 96). An Ecuadorian social epidemiologist-public health physician colleague and I also explored



the impacts of the transdisciplinary education we offered to university students through our second project. (Published refereed paper #117). Further, we worked with agronomy, plant pathology and ecology colleagues to challenge global and national policies associated with hazardous pesticide use (Published refereed paper #122). We also involved agricultural and municipal stakeholders in prioritizing and implementing interventions (Published refereed paper #149). Our work has been used by popular movements (indigenous peoples and farmer organizations) and technical colleagues (input to a Food and Agriculture Organization review with the Ministry of Health) to push for an Ecuadorian presidential decree which restricts the use of WHO Category I products (cited in Peer review paper #146).

In another stream of agriculture and health research – agricultural production in and near cities in Africa – I co-led a multi-disciplinary team who combined discovery, integration and application, actively involving stakeholders and policy makers in formulating recommendations and stimulating change during the process of our research (Published refereed paper #101 and Book #2, which I lead and edited). For example, our cross-sectional data on livestock production in Kampala was used to overturn a ban on the keeping of livestock and usher in supportive, corrective bylaws for mitigating risks while maintaining benefits of urban and peri-urban agricultural production.

In western Kenya, we had Bill and Melinda Gates Foundation funding for a quasi-experimental, evaluation of an agriculture and health intervention promoting orange-fleshed sweet potato (Loechl et al, Levin et al, and Webb et al Peer-reviewed grants). Initial results of our two waves of operational research were promising, showing feasibility, acceptability and changes in orange flesh sweet potato production and consumption, and ante-natal care attendance (Peer reviewed presentations, international #113). As the sole epidemiologist on the co-investigator team, I had major responsibility for design, sample size and power estimates (Peer reviewed paper #203), and, with my students, most of the early outputs (Peer reviewed paper #172).

### c. **Work-related musculoskeletal disorders (WMSDs)**

Earlier multi-disciplinary research on the *burden, etiology and prognosis, and evaluation of interventions for work-related musculoskeletal disorders* included one of the largest existing *cohort studies* of injured workers with lost time WMSDs (1993 - 1996). It incorporated primary measures of a range of factors which, along with secondary data variables, were predictive of duration of lost-time in multivariable proportional hazards modeling. I led a paper on the role of workers' expectations in the prognosis of work-related musculoskeletal disorders (Part E Published refereed publication # 46). It was cited 97 times, or an average of 8.1 times per year (Web of Science, as of July 2013). This research contributed to changes in Ontario Workplace Safety and Insurance Board policies and increased interest in case management and workplace interventions.

Since 2004, I have led papers on the etiology of WMSDs using a national population survey based cohort (Part E Published refereed publication #52, 24 cites, 2.6/yr) and a fascinating multi-level analysis of an integrated provincial data set demonstrating the role of regional and workplace predictors of health outcomes (Part E peer review publication #123). The important role of workload indicators (surgeries and in-patient

days/100 employee working hours) in predicting musculoskeletal health care utilization and days off work was used by my former post-doctoral fellow to inform union-management negotiations in the health sector.

I led a US National Institute of Occupational Safety and Health grant which matched workplace party funding for an extensive program of intervention research on the effects of a “Stop RSI” program in a large newspaper. In analyzing the impacts of the evidence informed interventions for upper extremity musculoskeletal disorders, our team (ergonomist, biostatisticians, me as the epidemiologist) found a main effect in the reduction of period prevalence of neck and upper extremity WMSDs from prior to the intervention. We also used path models to demonstrate the persistent pain among the working population and the contribution of ergonomic interventions to reduction of upper extremity pain and disability (Published refereed paper #90). Our findings were most heartening to the workplace parties. In a sustained ergonomic intervention research program, our multi-disciplinary research team used mixed methods to compare change across sites and reflect upon the role of difficulties in implementing partner-based research and limitations in theories of change current at the time (Published refereed paper #124). Our integration scholarship of systematic reviews (Published refereed paper #109, masters’ student lead author) and our application scholarship of intervention research have both been helpful to workplace parties, health and safety prevention organizations, and policy makers (Ontario Workplace Safety and Insurance Board and Ministry of Labour in particular). Collaboration with such stakeholders made possible a randomization of workplace interventions by health and safety associations, one of the few available in the literature (Published refereed paper #157).

## References

Boyer EL. *Scholarship Reconsidered: Priorities of the Professoriate*. Princeton, NJ, USA: Carnegie Foundation for the Advancement of Learning, 1990, 147 pp

Sarli CC, Dubinsky EK, Holmes KL. Beyond citation analysis: a model for assessment of research impact. *J Med Libr Assoc* 2010;98(1): 17-23 doi:10.3163/1536-5050.98.1.008

## Part D – RESEARCH FUNDING

### 1. PEER-REVIEWED GRANTS

**Cole DC**, Carpio F, Crissman C, Antle J, Wagonet J. Health effects of pesticide use in Ecuadorian potato production. Rockefeller Foundation Health & Agriculture Divisions, 1993 supplement \$US 60,000 on base of 1991-1993. US \$180,000 (Principal Investigator)

Wells R, Shannon HS, **Cole DC**, Norman R. Electromyography protocols for measurement of exposure in VDT operators. Johns Hopkins University Centre for VDT and Health Research, 1996-1997. \$67,608 (Co-investigator)

Shannon H, **Cole DC**, Eyles J, Scott F, Goel V, Mondloch M. Work and Health: An analysis using data from the National Population Health Survey. NHRDP, Health Canada, 1997-1998. \$34,726 (Co-investigator)

Crissman C, **Cole DC**, Barrera V, Berti P. Human Health and Changes in Potato Production Technology in the Highland Ecuadorian Agro-Ecosystem. International Development Research Centre, 1998-2002. \$194,000 (Co-Principal Investigator)

Beaton DE, **Cole DC**, Hogg-Johnson S, Bombardier C. A multi-pronged approach to the classification of WMSD in VDT workers. John Hopkins University Center for VDT and Health Research, 1999-2000. US\$41,405 (Co-investigator)

Wells R, **Cole DC**, Norman R, Shannon HS, Hogg-Johnson S. Precision and responsiveness of physical exposure measures in an office environment. John Hopkins University Center for VDT and Health Research, 1999-2000. \$182,150 (Co-investigator)

Koehoorn M, **Cole DC**, Hertzman C. Risk factors associated with work-related musculoskeletal disorders and burden of musculoskeletal disorders among a cohort of B.C. health care workers. Workers Compensation Board of British Columbia, 1999-2000. \$46,033 (Co-investigator)

Lewchuk W, Robertson D, Kerr M, **Cole DC**, Landsbergis PA, Schall PL, Haimer AT, Sullivan TJ. A study of work organization and health in the transportation sector. Workplace Safety and Insurance Board, 1999-2001. \$300,000 (Co-investigator)

Strong S, **Cole DC**, Gibson E, Kaplan R, Shannon HS, Sinclair S, Clarke J. Assessment of a person's ability to function at work. Workplace Safety and Insurance Board, 1999-2001. \$95,000 (Co-investigator)

**Cole DC**, Wainman B, Younglai E, Harper P, Ryan J, Weber JP, Arts M. Contaminant and mechanistic correlates of time to their newborn. Toxic Substances Research Initiative, Health and Environment Canada, 1999-2001. \$186,000 (Principal Investigator)

**Cole DC**, Hogg-Johnson S, Shannon HS, Hyatt D, Beaton DE, Wells R. WMSDs: Evaluating interventions in office workers. U.S. National Institute for Occupational Health and Safety & National Institutes of Health, 1999-2003. US\$396,354 (Principal Investigator)

Wells R, **Cole DC**, Brawley L, Frazer M, Kerr MS, Kerton R, Neumann P, Norman R. Evaluation of participatory ergonomic interventions in large and small industry. Workplace Safety and Insurance Board, 1999-2001. \$299,431 plus \$270,756 extension 01- July 03 (Co-investigator)

Koehoorn M, **Cole DC**, Hertzman C. Health care utilization and costs associated with musculoskeletal disorders among health care workers. B.C. Workers' Compensation Board, 1999-2001. \$49,000 (Co-investigator)

Koehoorn M, Hertzman C, **Cole DC**. Individual, biomechanical and work organization factors associated with musculoskeletal disorders among a cohort of health care workers. B.C. Workers' Compensation Board, 1999-2001. \$7,672 (Co-investigator)

Koehoorn M, **Cole DC**, Hertzman C, Ostry A, Ibrahim S. Studying the health of health care workers: Focus on long-term disability claims. CIHR, 2001-2003. \$187,448 (Co-investigator)

**Cole DC**, Hepburn G, Tompa E, Theberge N, Wells R, Barling J, Vezina N, Lanoie P. Workplace Interventions to Reduce Workplace Injuries and Improve Musculoskeletal Health: a program of intervention research. CIHR, 2003-2004. \$99,500 (Principal Investigator)

**Cole DC**, Diamond M, Campbell M, Jackson S, Silverman F, Wakefield S, Puschak R, Harper P. Centre for Urban Environmental Health. Letter of Intent for Centre for Research Development, 2003. \$10,000 (Principal Investigator)

Hepburn G, Zohar D, **Cole DC**, Kramer D, Ferrier SE. Safety Climate: Measurement, Intervention and Evaluation in a Manufacturing Setting. Grant re-submitted to Workplace Safety and Insurance Board, February 2003, 2003-2005. \$262,443 (Co-investigator)

Myles J, et al. including **Cole DC**, Centre for Research Development on Urban Health. CIHR, May 2003, 2003-2009. Approximately \$2,400,000 (Co-investigator)

Yanggen D, **Cole DC**, Barrera V, Thiele G. Human Health and Changes in Potato Production Technology in the Highland Andean Agro-Ecosystem. IDRC bridge funding, 2003-2004. \$54,000 (Co-investigator)

Wells R, McGill S, Frazer M, Green H, Theberge N, Ranney D, Medley J, MacGregor C, **Cole DC**, Keir P, Moore A, Callaghan J, Haines T, Kerr M, Naqvi S, Potvin J. Centre of Research Expertise for an Action Centre for the Prevention of Work-Related Musculoskeletal Disorders. WSIB, January 2004-2008. \$2,035,000 + renewal (Co-investigator)

Shannon HS, Hogg-Johnson S, Walter S, **Cole DC**, Wells R. The use of individual participant data (IPD) for examining heterogeneity in meta-analysis of observational studies: An application to biomechanical workplace risk factors and low back pain. CIHR, March 2004-2006. \$201,838 (Co-investigator)

Wells R, **Cole DC**, Tompa E, Naqvi S, Frazer M, Theberge N. Evaluation and Sustainability of Ergonomic Interventions. WSIB, February 200, 2004-2006. \$149,175 (Co-investigator)

Bienefeld M, **Cole DC**, Campbell M, Mee C, Vanderlinden L. Evaluating urban pesticide reduction strategies. Centre for Urban Health Initiatives Seed Grant, August 2004; 2004-2005. \$10,000 (Co-principal investigator)

Reynolds J, Yeudall F, **Cole DC**, Wakefield S, Etches V. Mobilizing for Food Security and Health Research in Toronto. Centre for Urban Health Initiatives Seed Grant, August 2004; 2004-2005. \$15,000 (Co-investigator)

Williams A, Barling J, Turner N, **Cole DC**, Tompa E, Ferrier S, Kramer D. Evaluating the effect of transformational leadership on musculoskeletal disorders and minor injuries in the service sector. Centre for Research Expertise – Prevention of Musculoskeletal Disorders and Disability Seed Grant, 2004-5. \$7390 (Co-investigator)

Naqvi S, **Cole DC**, Theberge N, Ferrier S, Chase T. Evaluation of the effect of interventions and establishment of a participative Ergonomics Change Team. Centre for Research Expertise – Prevention of Musculoskeletal Disorders and Disability Seed Grant, 2004-5. \$7500 (Co-investigator)

Theberge N, **Cole DC**, Brooker AS. Social Aspects of Musculoskeletal Disorder (MSD) Prevention in the Workplace: A Review and Synthesis of Relevant Social Science Literatures. Centre for Research Expertise – Prevention of Musculoskeletal Disorders and Disability Seed Grant, 2004-5. \$7500 (Co-investigator)

Van Eerd D, **Cole DC**, Wells RP, Ferrier SE, Tompa E, Theberge N. Evaluating a partner-based participatory intervention for musculoskeletal disorders in a medium-sized workplace. Centre for Research Expertise – Prevention of Musculoskeletal Disorders and Disability Seed Grant, 2004-5. \$7500 (Co-investigator)

**Cole DC**, Yanggen D, Thiele G. Human Health and Changes in Production Technology of Potato Cropping Systems in the Highland Andean Agro-Ecosystem. Phase Two Proposal: Scaling Up and Out of Research-Intervention Approach. IDRC, 2004-2007. \$498,000 (Co-Principal Investigator)

MacEachen, E., Ferrier, S., **Cole DC**. An Ethnographic Study of Injured Workers' Complex Claims Experiences. WSIB RAC, Feb 2005; September 2005- September 2007. \$88,198 (Co-investigator)

Bigelow, P., **Cole DC**. Ferrier, S., Franche, R., Frazer, Kramer, D., Lee, W., Maracle, S., theberge, N., Wells, R., and Zohar, D. Evaluation of a HSA-initiated Collaborative Partnership to Implement Participatory Ergonomic Programs. WSIB RAC, September 2005-September 2007. \$292,908 (Co-investigator).

**Cole DC**, Clarke A, Scott L, Hogg-Johnson S. Developing standardized metrics for work disability management – implementation assessment. WSIB RAC Bridging the Gap, September 2005 for 2006. \$59,932 (Principal Investigator).

Mijahovic D, Wells R, **Cole DC**, Naqvi S. Evaluation of the impact of a participatory ergonomics intervention in a medium sized facility. WSIB RAC Bridging the Gap, March 2006-Mar 2007. \$36,650 (Co-Investigator)

Wakefield S, Baxter J, **Cole DC**. Enhancing environmental health protection in a multicultural city: how can we make Toronto's pesticide use reduction program more relevant to ethnic and cultural minorities? SSHRC Multiculturalism Issues in Canada Strategic Research Grant, March 2006-March 2007. \$46,725 (Co-investigator)

St-Vincent M, Denis D, Imbeau D, **Cole DC**. Suivi d'implantation du plan d'intervention TMS de la CSST. IRSST, 2006- 2009. \$1,449,740 (Co-investigator).

Cassidy JD, Côté P, Carette S et al., including **Cole DC**. Centre for Research Expertise in Improved Disability Outcomes. WSIB RAC, 2006-2009. \$2 million ask in project of \$3,750,000. (Co-investigator).

Franche RL, Gibson JB, Clarke A, **Cole DC**, Côté P, Gnam W, Kirsh B, Koehoorn M, MacEachen E, Mustard C, Myette TL. Work disability management and mental health: building front-line capacity. Letter of intent to CIHR, 2006. \$10,000. (Co-investigator).

Van Eerd D, **Cole DC**. Systematic Review of Process & Implementation of Participatory Ergonomic (PE) Interventions. WorkSafeBC, 2006-2007. \$10,750; Manitoba WCB, 2006-2007. \$10,750. (Co-investigator).

Yeudall F, Karanja N, Prain G, **Cole DC**, Randolph TF, Noble R, Sellen D. Combating HIV/AIDS in urban communities through food and nutrition security: the role of women led micro-livestock enterprises and horticultural production in Nakuru town. CIDA, 2006-2009. \$225,000. (Co-investigator)

**Cole DC**, Bassil K. Use of 911 Ambulance Dispatch Data for the Syndromic Surveillance of Heat-Related Illness in Toronto. Centre for Urban Health Initiatives (CUHI) Seed Grant Award. 2007. \$20,000. (Co-Principal Investigator).

**Cole DC**, Bassil K, Smoyer-Tomic K. What is the evidence on the applicability and effectiveness of public health interventions to reduce morbidity and mortality during heat episodes? National Collaborating Centre for Environmental Health, 2007. \$45,000 (Co-Principal investigator)

**Cole DC**, Crissman C, Prain G, Orozco F, Murray D, Thiele G, Forbes G, Ortiz O. Healthy and sustainable horticultural production in the central Andean countries. Canadian International Development Agency, 2007-8. \$499,970 (Principal Investigator)

Steenstra IA, Van Eerd D, **Cole DC**, Amick III BC, Bigelow P. The sensory feedback mouse study, pilot study of a randomized control trial of the effectiveness of sensory feedback in VDU workers. Centre of Research Expertise for the Prevention of Musculoskeletal Disorders, 2008-9. \$10,000.

Van Eerd D, Steenstra I, **Cole DC**, Bigelow P, Amick III BC, Beaton D, Refining exposure measurements in VDU workers: comparison of four methods. Centre of Research Expertise for the Prevention of Musculoskeletal Disorders, 2008-9. \$10,000 (Co-investigator).

Hogg-Johnson SA, Robson L, **Cole DC**, Amick III BC, Smith P, Bigelow P, Tompa E, Mustard C. A randomized controlled study of targeted occupational health & safety consultation in Ontario workplaces. Workplace Safety and Insurance Board Research Advisory Council, Bridging the Gap, July 2008 – June 2009. \$59,700 (Co-investigator)

Amick III B, Van Eerd D, Steenstra I, Smith P, **Cole DC**, Ibrahim S, Tompa E, Bigelow P, Robertson M, Beaton D. A randomized controlled trial of the effectiveness of two office ergonomics training approaches for seated environments: Comparing an in-person to computer-based training. Submitted February 2008 to Workplace Safety and Insurance Board of Ontario Research Advisory Council, June 2008-July 2010. \$235,047 (Co-investigator)

**Cole DC**, Gyorkos TW, Saunders LD, Labonte R, Hanson LM, Janes C, Neufeld VR. Addressing inequities in global health through training: a trans-Canadian research capacity development program. CIHR Development grant, 2008. \$5000 (Principal Investigator)

Orozco F, Suquillo J, Chacon A, Arevalo J, Arevalo B, **Cole DC**, Narváez N, Molina R, Salazar R, - Espinoza B, Cabascango M, Bolaños R. Social control, human rights and governance: A health promotion approach to the reduction of health risks associated

with pesticide use in Carchi, Ecuador. International Development Research Centre, July 2008 - July 2011. \$202,000 (Co-investigator)

**Cole DC**, Prain G, Cañedo V, Murray D, Pradel W et al. Healthy and sustainable horticultural production in the central Andes. International Development Research Centre, 2008-2010. \$640,000 (Principal Investigator)

Van Eerd D, Amick B, Gibson J, Irvin E, Keown K, Mahood Q, Garcia J, **Cole DC**, Kohn M, Kramer D. Knowledge Transfer and Exchange Practices: A systematic review of the quality and types of performance measures used to assess KTE implementation effectiveness and impact. CIHR 2009-2010. \$100,000 (Co-investigator)

Loechl C, Levin C, **Cole DC**, Low J. Integrating agricultural and health interventions to maximize the nutritional impact of orange-fleshed sweetpotato in Western Kenya: PATH/CIP proof-of-concept project proposal. Bill and Melinda Gates Foundation, 2009-2014. US\$1,302,056 – part of Sweetpotato Action for Security and Health in Africa US\$ 21.25 million, Low J et al. (Co-investigator)

Hogg-Johnson SA, Amick B, **Cole DC**, Mustard C, Robson L, Smith P, Tompa E, Van Eerd D. Firm selection algorithms - comparisons over time. WSIB Ontario Solutions for Workplace Change, February 2010-July 2013. \$72,650 (Co-investigator)

Van Eerd D, **Cole DC**, Irvin E, Keown K, Amick III BC. Dissemination and uptake of a participatory ergonomics guide for workplaces in British Columbia. WorkSafeBC, 2010-2011  
\$34,487 (Co-investigator)

Ettyang G, **Cole DC**, Prudhomme-O'Meira W, Obura P, Webb A, Low J, Ochuodho J, Oyunga-Ogubi MA, Spitzer R, Buluku E, Bazinet R, Levin C, Ouedraogo HZ. Agricultural interventions for nutrition: Orange-fleshed sweet potato and indigenous vegetables for pregnant women in Western Kenya. Canadian International Food Security Research Fund (IDRC-CIDA) Development Grant, March 2010. \$10,000. Awarded and declined.

Levin C, Ouedraogo H, **Cole DC**, Webb A, Transgrud R, Low J. Assessing impact of an integrated agriculture and health intervention on micronutrient malnutrition using rapid assessment methods for assessing Vitamin A status. PATH USA, 2011. US\$79,096 (Co-investigator)

Robillard C, McLaughlin J, **Cole DC**, Levy J. Health outcomes of gender-based violence, sexual exploitation and abuse in vulnerable migrants. Canadian Institutes of Health Research Operating Grant. Priority Announcement on Gender, Sex, and Health Research, April 2011-June 2013. \$93,000 (Co-investigator)

McLaughlin J, Hennebry JL, **Cole DC**, Haines AT, Pysklywec M. Overcoming the Barriers: Improving Health Services for Migrant Farm Workers. Workplace Safety and Insurance Board of Ontario. Bridging the Gap Program, February 2011-May 2013. \$40,000 (Co-investigator)

**Cole DC**, Aslanyan G, Bates I, Kakuma R. Health Research Capacity Development Evaluation: a Realist Review. CIHR Knowledge Synthesis Grant. Improve Health and

Promote Health Equity Research Priority Area, March 2011-March 2014. \$90,127 (Principal Investigator)

**Cole DC**, Rachlis F, Ahmad F, van Lettow M. Concept Mapping with Stakeholders to Inform HIV Programs Addressing Patient Defaulting in Malawi. CIHR Meetings, Planning and Dissemination Grant- Infection and Immunity, August 2011-December 2012. \$9,995 (Principal Investigator)

Orbinski J, McGahan A, Cortinois A, Forman L, Birn AE, Jackson S, Nixon S, Gastaldo D, Muntaner C, Upshur R, Brown A, Jadad A, **Cole DC**, Thorsteinsdottir H, Benatar S, Kirton J. Participatory Governance in Primary Health Care for Greater Equity in Global Health. Letter of Intent for Connaught Global Challenge Fund, December 2011-April 2012. \$10,000 (Co-investigator)

Webb A, Grant F, Low J, **Cole DC**, Levin C, Erhardt J, Boyd Barr D, Mahungu S, Kariuki S. Cohort Vitamin A Study, nested within mama-SASHA. Bill and Melinda Gates Foundation, July 2012-November 2014. US\$1,300,000 (Co-investigator)

Songok JJ, Christoffersen-Deb A. Chemwolo B, Ruhl L, Menya D, **Cole DC**, Prudhomme O'Meira W, Fazan L. Chama cha MamaToto: Evaluating a peer support mechanism to improve maternal and infant health. Sub-component of Saving Lives at Birth research programme, October 2012-May 2014. 700,000 KSh (about CDN\$85,000) (Co-investigator)

Kidd SA, Muskat E, Aylward D, McKenzie K, **Cole DC**, Wiljer D. Unpacking Social Impact: Examining the Scalability of Top Tier Social Innovators in Mental Health. Grand Challenges Canada, Oct 2013- Sept 2015. (CDN \$247,827) (Co-investigator)

Bozek P, Levitsky M, Patel JB, Coelin L, Malik O, **Cole DC**. A Toolkit to Protect Workers, Children and Families from Occupational Risks. Grand Challenges Canada, Stars in Global Health, Round 6, Phase 1. April 2014 - Oct 2015. (CDN \$112,000) (Co-investigator)

Urquia M (Nominated PA); Joel Ray (Co-PA); Jennifer Blake, **Donald Cole**, Anita Gagnon, Rahim Moineddin, Yogendra Shakya, Susitha Wanigaratne (Co-Applicants). Maternal and Perinatal Health among Refugees in Canada. Canadian Institutes for Health Research Operating Grant. July 2014- Aug 2016 (CDN\$142, 576) (Co-Applicant)

Escobar M, Mazumder A, Smith JQ, Deardon R, **Cole DC**, Cranfield J, Tarasuk V. Novel Probabilistic Methods for Decision Support Systems for food Security in Canada. Canadian Statistical Sciences Institute (CANSSI) (\$19,900). Awarded Oct 2015, for May 2016 workshop. (Co-Applicant)

Braitstein P, Keino S, Sellen D, Yego F, Fox A, Tabu S, Chockalingham A, Koskei P, Mburu N, **Cole DC**. Nutrition, food security and resilient adaptation to climate change in Canada and East Africa. CIHR Meeting Grant (CDN\$15,000). Jan-Dec 2016. (Co-Applicant)



Sherwood S, Paredes M, Berti P, Batal M, Oyarzun P, **Cole DC**, Lopez P, Borja R. Strengthening impact of the Healthy Food Consumption Campaign 250,000 Families in Ecuador. IDRC Food, Environment & Health No. 108162-001, 2016 Jan – 2019 Mar (USA\$929,675) (Co-Investigator)

Guernsey JR, **Cole DC**, Ryan C, Whelan WM, Kim JS, Martin RC with Farquharson J, Stryhn H, Hacault M, Somers G, Loo S, Sweeney C. An Investigation of an Integrated Intersectoral Prevention Strategy and Its Effectiveness in Mitigating the Impacts of Agricultural Production Challenges on Human and Ecosystem Health in PEI. CIHR Team Grant: Environments and Health: Intersectoral Prevention Research. LOI. 2016 Feb- 2016 July (CDN\$50,000) (Co-Principal Applicant)

Parkes M, Allison S, Hallstrom LK, Harder HG, Stephen C, Surette C, Takaro TK with Adams E, Beck L, Brisbois B, Bunch M, Buse C, Cleary E, **Cole DC**, Cross N, De Leeuw S, Gislason M, Greenwood M, Lemire M, Marks R, Marshall D, Reschny J, Saint-Charles J, Vaillancourt C, Vigano J, Woollard R. The ECHO Network (Environment, Community, Health Observatory): Strengthening intersectoral capacity to understand and respond to Health Impacts of Resource Development. CIHR Team Grant: Environments and Health: Intersectoral Prevention Research. LOI. (CDN\$49,826) & Full application (CDN\$ 2,083,753) 2016 Dec – 2021 Dec (Co-Applicant)

Dodd W\*, Lau L, Wei X, Cole DC, Lee S, Lim K, Little M. Priority setting to address the social determinants of tuberculosis infection and care among income-poor households in the Philippines. CIHR Planning and Dissemination Grant – Institute Community Support. (2018-9) \$20,000 (Co-Applicant)

Dodd W\*, Cole DC, Liu J, Lau L. The role of social capital in navigating the social welfare system among income poor households in the Philippines. SSRHC Insight Development Grant #430-2018-00113 (2018-20) \$74,994 (Co-Applicant)

Gardner C, et al. including Cole DC. Community Design for Better Health – the role of Public Health Units. Public Health Ontario Locally Driven Collaborative Project in Healthy Environments. \$200,000. (Academic Advisor)

Di Ruggiero E, Bajwa U, Cole D, Johal S. Health and the Future of Work, Globally. CIHR Planning and Dissemination Grant - Institute Community Support. Dec 2018-Dec 2019 (CDN \$19,966) (Co-Applicant)

Denning DW, Cowen L, Richardson M, Husain S, Scott J, Cole DC. Collaboration on fungal disease clinical screening and role in health services in the Americas. University of Toronto – University of Manchester joint research fund, £5,000 (UoM funding) and CAD \$8,500 (U of T funding). 2018 Dec – 2019 Dec (Co-Applicant)

Batal M, Paredes M, Sherwood SG, Rivas Mariño G, Estrella Cobo E, Cole DC, López Proaño P, Berti PR, Zinsxer K, Vallejo Rojas V. Evaluating and bringing to scale alternative food networks to address diabetes mellitus and Hypertension. CIHR-IDRC

Global Alliance for Chronic Disease Team Grant: Intervention scale-up - Hypertension and/or diabetes. 2019 Mar – 2024 Mar, CDN\$ 2.5 million (Co-Applicant)

Hennebry JL, Caxaj CS, Huesca E, McLaughlin JE, Diaz A, Cole DC, Vosko LF, Tew M, Smith PM. COVID-19: Pandemic Survey of Migrant Agricultural Workers in Ontario. SSHRC Partnership Engage Grants (PEG) COVID-19 Special Initiative. December 1, 2020 to November 30, 2021. CDN \$24,961 (Co-Investigator)

Caxaj CS, Lozanski K, Mayell S, Weiler A, Basok T, Edmunds K, George G, Hennebry J, McLaughlin J, Vosko L et al. Partnered Research Evaluating Services with Migrants in Agriculture (PRESMA): Conditions, capacities and possibilities for effective support services for migrant agricultural workers. SSHRC Partnership Development Grants in Connection & Insight series. Mar 2022 to Mar 2025. CDN \$200,000 (Collaborator)

Elton S, Byers K, van Beinum A, Ji L-J, Robinson S, Cole DC. Reimagining Resistance: A transdisciplinary approach to human-animal-environment relations and antimicrobial resistance in the dairy industry. SSHRC Imagining Canada's Future – Ideas Lab. Mar 2024-Mar2026 CDN\$ 249995 (co-investigator)

### **Submitted**

### **Under Revision/In Preparation**

## **2. NON-PEER REVIEWED GRANTS**

Kearney J, **Cole DC** et al. Anglers' pilot exposure assessment study. Health and Welfare Canada, Health Protection Branch, 1992-1994. \$250,000 (Co-investigator)

Sinclair SJ, **Cole DC**, Frank JW et al. Early claimant cohort study. Ontario Workers' Compensation Institute and Workers' Compensation Board of Ontario, 1993-95. \$200,000 (Co-investigator)

Dodin S, Lebel G, Lemay A, Villeneuve M, Maheux R, Berube S, **Cole DC**, Hughes E, Ferron L: Organochlorés et endometriose: une étude pilote. Health Canada, Health Protection Branch, 1994-95. \$99,778 (Co-investigator)

Pengelly LD, **Cole DC**. Indicators of air quality in areas of concern: Pilot Study. Health Canada, Health Protection Branch, 1994-95. \$40,000 (Co-investigator)

Riedel D, Kraft D, **Cole DC**, Owen S et al. High risk groups' fish and wildlife nutrition project. Health Canada, Health Protection Branch, 1995-96. \$168,700 (Co-investigator)

Kearney K, **Cole DC**. Exposure assessment study development. Health Canada, Health Protection Branch, 1995-96. \$14,000 (Co-principal investigator)

Pengelly LD, Silverman F, **Cole DC**, Eyles J. Indicators of air quality in areas of concern: implementation of criteria developed from pilot study. Health Canada, 1995-96. \$73,640 (Co-investigator)

**Cole DC**, Collins J, Mugga H, Foster W et al: Time to pregnancy and environmental exposures. Health Canada and FL Johnson Fund, 1996-97. \$40,000 (Principal Investigator)

**Cole DC**, Shannon HS, Beaton DE et al. Phase II: RSI Watch. Toronto Star/Southern Ontario Newspaper Guild and Institute for Work & Health, 1996-98. \$75,000 each for total of \$150,000 (Principal Investigator)

**Cole DC**, Sheeshka J, Kearney J, Eyles J et al: Great Lakes fish eaters project: dietary survey and assessment of potential health risks and benefits. Health Canada, 1996-97 - \$227,500; 1997-98 - \$169,000; 1998-99 - \$69,000 (Principal Investigator)

**Cole DC**, Sheeshka J, Kraft D, Owens S, Eyles J et al: Sport fish and wildlife study in areas of concern. Health Canada, 1996-97 - \$145,000; 1997-98 - \$108,000; 1998-99 - \$95,000 (Co-Principal Investigator)

Elliott S, **Cole DC** et al. Community action on air quality. Hamilton Community Foundation 1998-2000. \$35,000 (Co-investigator)

Frank JW et al including **Cole DC**, Ontario, Quebec and Manitoba Project Working Groups. Evidence-based tools for return-to-work: WorkReady II. HEALNet, 1998-99. \$130,000 (Co-investigator)

Wells, RW, Norman R, Frazer M, Neumann P, Shannon HS, Kerr M, **Cole DC**. Evaluating Workplace Interventions. HEALNet, 1998-99. \$55,225 (Co-investigator)

Lavis J, **Cole DC**, Jadad A, Shannon HS, Woodward C. Conceptualization of evidence in the workplace (HEALNet, 1998-99 \$10,000) and an analysis of primary stakeholders perspectives of "healthy workplaces". HEALNet, 1998-99. \$25,000 (Co-investigator)

Shannon HS, Eakin J, Kerr M, **Cole DC**, Robson L. Workplace Performance Measures. HEALNet, 1998-99. \$55,000 (Co-investigator)

**Cole DC**, Hogg-Johnson S et al. Phase III: STOP RSI. Toronto Star/Southern Ontario Newspaper Guild, 1999-2000. \$144,000 (Principal investigator)

Robson L, Shannon HS, **Cole DC**, Kerr MS, Eakin J, Polanyi MF, Brooker A-S, Sale J, Ibrahim SA. Collaborative research-workplace-stakeholder development of a "healthy workplace" performance assessment tool. HEALNet, 1999-2002. \$203,314 (Co-investigator)

Norman R, Wells R, Neumann P, **Cole DC**, Shannon HS, Kerr MS. Assessment of the effectiveness of evidence-based ergonomic decision in workplaces on prevention of work-related musculoskeletal disorders. HEALNet, 1999-. \$274,000 (Co-investigator)

Stock S, Baril R, Durand M-J, Rossignol M, **Cole DC**, Wells R, Lau F, Moehr J, Guzman J. Developing and evaluating tools to facilitate evidence-based decisions on return to work measures in the electric and electronic sectors. HEALNet, 1999-2002. \$258,745 (Co-investigator)

Lemieux-Charles L, Champagne F, Barnsley J, Sicotte C, Robson L, **Cole DC**, Kerr M, Zitner D, McGuire W. Multi-level Performance Measures for the Accreditation of Canadian Health Care Organizations. HEALNet. 1999-2002. \$125,000 (Co-investigator)

**Cole DC.** Health impacts of urban and peri-urban agriculture. University of Toronto Connaught Fund, 2001-2002. \$10,000 (Principal investigator)

Prain G, **Cole DC**, Lee-Smith D, Diamond M, Kapinga R. Urban agriculture in Kampala, Uganda – health impact assessment and options for improvements. Canadian International Development Agency, 2002-2005. \$150,000 (Co-Principal investigator)

Theberge N, **Cole DC**, Frazer G, Wells R. Workplace Interventions to Reduce Occupational Injuries. CIHR-UW seed grant, October, 2002. \$6000 (Co-investigator)

Nasinyama G, McDermott J, Omore A, Staal S, **Cole DC**. Characterizing and assessing the benefits and risks of Urban and Peri-urban (UPA) Livestock Production in Kampala City, Uganda. Strategic Initiative on Urban and Peri-urban Agriculture and International Development Research Centre, 2003-2004. \$45,000 (Co-investigator)

Ontario College of Family Physicians Environment Committee (Kasperski MJ, Sanborn M, **Cole DC**, Kerr K, et al. Pesticides and children's health: Literature review. Laidlaw Foundation, 2003. \$40,000 (Co-investigator)

**Cole DC**, Clarke A, Scott L, Hogg-Johnson S, Mustard C. Workplace disability management benchmarking collaborative. Financial service sector contributions from five organizations to date, Fall 2006-Fall 2007. \$50,000 (Principal Investigator)

**Cole DC**, Neufeld VR, Kahwa E, Mejia R, McCullough H, Mutiso V, Ndeti D, Beagrie L, Harms S, Hatfield J. Mentorship in Global Health Research. Global Health Research Initiative, Jan 2013-Oct 2013. \$50,195 (Principal Investigator)

Plamondon K, Neufeld V, **Cole DC**, Janes C, Hatfield J, Chatwood S, Gyorkos T, Berti P, O'Hearn S. Gathering perspectives on the role of research in a Canadian strategy for global health. Global Health Research Initiative, Mar 2013-Oct 2013. \$50,100 (Co-investigator)

St.Charles,J, Betancourt O, Medel J, Morrison K, Mertens F, Parkes M, Riojas H, Aguilar RA, Bonilla DH, Bunch M, **Cole DC**, Gonzales AL, Guimares JR, Mergler D, Para M, Quesada R, Sousa Passos CJ, Stephen C, Surette C, Souza Tavora R, Vaillaincourt C, Woolard R. Pan-American Partnership for the strengthening of research, policy and practice at the intersection of health, ecosystems and society. IDRC, Sept 2013-Mar 2017. \$309,600 (Co-investigator)

Neufeld VR, **Cole DC**, Hanney S, Bates I. Evaluation of Global Health Research for Development. Global Health Research Initiative, Jan 2014-Oct 2014. \$46, 995 (co-Principal Investigator)

**Cole DC**, Copes R, Wiseman C, Chakravartty D, Archbold J. Biomonitoring of Newcomer Women from South and East Asia in the Greater Toronto Area. Health Canada, Healthy Environments and Consumer Safety Branch, CMP Monitoring & Surveillance Fund. Sept 2014 – Sept 2016 (\$ 312,225) (co-Principal Investigator)

Sanborn M, Grierson L, Upshur R, **Cole DC**, Vakil C, Marshall L. Survey of environmental health concerns, knowledge and learning needs of family medicine residents. Ontario College of Family Physicians, January 2015- June 2017 (CDN \$6928) (Co-Applicant)

## In preparation

### 3. Personal Salary Support

November 1993-96 EcoResearch Tri-Council (MRC, SSHRC, NSERC), Research Fellowship in Environmental Epidemiology (Embedded in Ecosystem Health Chair, approximately 50k/yr x 3 years)

(Trainee awards and salary support included in Part I, Supervision.)

## Part E PUBLICATIONS

Researcher ID: K-1040-2013

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### 1. REFEREED PAPERS

#### PUBLISHED PAPERS

(Underling indicates supervised graduate student or post-doctoral fellow. PA means Principal Author; SRA is Senior Responsible Author; Co-PA is Co-Principal Author; CA is Co-Author.)

1. **Cole DC**, Murray DL, McConnell R, Pacheco Anton F. Pesticide illness surveillance: The Nicaraguan experience. PMID: 3167281 PAHO Bulletin January 1988;22(2):119-132 (SRA)
2. **Cole DC**, Heath B, Chase R, Cherry C. Local partnerships for healthy workplaces and communities - an Ontario experience. PMID: 22910704 New Solutions July 1992;2(4):22-25 (SRA)
3. Willms DG, Lange P, Bayfield D, Beardy M, Lindsay EA, **Cole DC**, Johnson NA. A lament by women for "the people, the land" [Nishnawbi-Aski Nation]: an experience of loss. PMID: 1473055 Can J Public Health September 1992;83(3):331-334 (Co-PA)
4. Chase RM, Liss GM, **Cole DC**, Heath B. Toxic health effects including reversible macrothrombocytosis in workers exposed to asphalt fumes. PMID: 8147400 Am J Ind Med February 1994;25(2):279-289 (Co-PA)
5. Crissman C, **Cole DC**, Carpio F. Pesticide use and farm worker health in Ecuadorian potato production. Am J Agric Econ August 1994; 76(3):593-597; doi: 10.2307/1243670 (Co-PA)

6. Hudak PL, Amadio PC, Bombardier C and the Upper Extremity Collaborative Group (includes **Cole DC**). Development of an upper extremity outcome measure: the DASH (Disabilities of the Arm, Shoulder and Hand). PMID: 8773720 Am J Ind Med June 1996;29(6):602-608 (CA)
7. **Cole DC**, Hudak PL. Understanding prognosis of non-specific work related musculoskeletal disorders of the neck and upper extremity. PMID:8773726 Am J Ind Med June 1996;29(6):657-668 (SRA)
8. Stock SR, **Cole DC**, Tugwell P, Streiner D. Review of applicability of existing functional status measures to the study of workers with musculoskeletal disorders of the neck and upper limb. PMID: 8773728 Am J Ind Med June 1996;29(6):679-688 (Co-PA)
9. George L, Hunter W, Scott FE, Siracusa L, Buffett C, Ostofi G, Zinkewich R, **Cole DC**. The mercury emergency and Hamilton school children: a follow-up analysis. PMID: 8870298 J Environ Health July-August 1996;58(8):6-10 (CA)
10. Hudak PL, **Cole DC**, Haines AT. Understanding prognosis to improve rehabilitation: the case of lateral elbow pain. PMID: 8831477 Arch Phys Med & Rehab June 1996;77(6):586-593 (Co-PA)
11. George L, Scott FE, **Cole DC**, Siracusa L, Buffet C, Hunter W, Zinkewich R. The mercury emergency and Hamilton school children: A follow-up analysis. PMID: 8870298 Can J Public Health July 1996;87(4):224-226 (CoPA)
12. **Cole DC**, Tarasuk V, Frank JW, Eyles J. Research responses to outbreaks of concern about local environments. PMID: 8896384 Arch Environ Health September 1996;51(5):352-358 (PA)
13. Cavan KR, Gibson BL, **Cole DC**, Riedel D. Fish Consumption by Vietnamese women immigrants: a comparison of methods. PMID: 9012324 Arch Environ Health November 1996;51(6):452-457 (Co-PA)
14. **Cole DC**, Kearney JP. Blood cadmium, game consumption and tobacco smoking in southern Ontario anglers and hunters. PMID: 9094805 Can J Public Health January 1997;88(1):44-46 (PA)
15. **Cole DC**, Kearney J, Ryan JJ, Gilman AP. Plasma levels and profiles of dioxin and dioxin-like compounds in Ontario Great Lakes anglers. Chemosphere March 1997;34(5):1401-1409; doi: 10.1016/S0045-6535(97)00437-2 (PA)
16. **Cole DC**, Carpio F, Julian J, Leon N, Carbotte R, De Almeida H. Neurobehavioural outcomes among farm and non-farm rural Ecuadorians. PMID: 9253006 Neurotoxicol & Teratol July 1997;19(4):277-286 (SRA)
17. Ross N, Eyles J, **Cole DC**, Iannantuono A. The ecosystem health metaphor in science and policy. Canadian Geographer June 1997;41(2):114-127; doi: 10.1111/j.1541-0064.1997.tb01152.x (CA)
18. **Cole DC**, Carpio F, Julian J, Leon N. Dermatitis in Ecuadorean farm workers. PMID: 9255479 Contact Dermatitis - (Environmental and Occupational Dermatitis) July 1997;37(1):1-8 (SRA)

19. Polanyi MFD, **Cole DC**, Beaton DE, et al. Upper limb work-related musculoskeletal disorders among newspaper employees: cross-sectional survey results. PMID: 9358919 Am J Ind Med December 1997;32(6):620-628 (Co-PA)
20. Jerrett M, Eyles J, **Cole DC**, Reader S. Environmental equity in Canada: an empirical investigation into the income distribution of pollution in Ontario. Environment and Planning A January 1997; 29(10): 1777-1800; doi:10.1068/a291777 (Co-PA)
21. Frank JW, Sinclair S, Hogg-Johnson SA, Shannon HS, Bombarier C, Beaton DE, **Cole DC**. Preventing disability from work-related low-back pain: new evidence gives new hope - if we can just get all the players onside. PMID: 9645178 CMAJ June 1998;158(12): 1625-1631 (CA)
22. Antle JM, **Cole DC**, Crissman CC. Further evidence on pesticides, productivity and farmer health: potato production in Ecuador. Agriculture Economics March 1998;18(2):199-207; doi:10.1016/S0169-5150(98)80008-X (CA)
23. Jerrett M, Eyles J, **Cole DC**. Socioeconomic and environmental covariates of premature mortality in Ontario. PMID: 9683377 Soc Sci Med July 1998;47(1):33-49 (Co-PA)
24. **Cole DC**, Eyles J, Gibson BL. Indicators of human health in ecosystems: what do we measure? PMID: 9926436 Sci Total Environ December 1998;224(1-3):201-213 (PA)
25. **Cole DC**, Carpio F, Jullian J, Leon N. Assessment of peripheral nerve function in an Ecuadorean rural population exposed to pesticides. PMID: 9761129 J Toxicol Environ Health September 1998;55(2):77-91 (SRA)
26. **Cole DC**, Eyles J, Gibson BL, Ross N. Links between humans and ecosystems: the implications of framing for health promotion strategies. Health Promotion International January 1999;14(1):65-72; doi: 10.1093/heapro/14.1.65 (PA)
27. Bell W, Yassi A, **Cole DC**. On PMW and two-stroke engines: health and environmental alert. PMID: 9789655 Can Fam Physician September 1998;44:1775-7,1787-90 (Co-PA)
28. Hudak PL, **Cole DC**, Frank JW. Perspectives on prognosis of soft tissue musculoskeletal disorders. PMID: 9924664 Int J Rehabilitation Research March 1998;21(1):29-40 (Co-PA)
29. **Cole DC**, Pengelly LD, Eyles J, Stieb DM, Hustler R. Consulting the community for environmental health indicator development: the case of air quality. Health Promotion International June 1999;14(2):145-154; doi: <http://dx.doi.org/10.1093/heapro/14.2.145> (PA)
30. Kearney JP, **Cole DC**, Ferron LA, Weber JP. Blood PCB, p,p'-DDE, mirex, mercury and lead levels in Great Lakes fish and waterfowl consumed in two Ontario communities. PMID: 10092427 Environ Res February 1999; Section A 80, S138-S149 (Co-PA)
31. **Cole DC**, Upshur R, Gibson BL. Environmental burden of human illness: scoping the problem. Alternatives Summer 1999;25(3): 26-32 (PA)

32. Bell W, Arm S, **Cole D**, Yassi A. Misleading information. (Letter) PMID: 10509212 Canadian family physician Médecin de famille canadien September 1999;45:2038, 2040 (Co-A)
33. Elliott SJ, **Cole DC**, Krueger P, Voorberg N, Wakefield S. The power of perception: health risk attributed to air pollution in an urban industrial neighbourhood. PMID: 10765426 Risk Anal August 1999;19(4):621-634 (Co-PA)
34. Arbuckle T, Schrader S, **Cole DC**, Hall C, Bancej C, Turner L, Claman P. 2,4-D Residues in semen of Ontario farmers. PMID: 10613390 Reprod Toxicol November 1999;13(6):421-429 (Co-PA)
35. Davis AM, Beaton DE, Hudak P, Amadio P, Bombardier C, **Cole DC**, Hawker G, Katz JN, Makela M, Marx RG, Pennett L, Wright JG. Measuring disability of the upper extremity: a rational supporting the use of a regional outcome measure. PMID: 10622192 J Hand Ther October 1999;12(4):269-274 (CA)
36. **Cole DC**, Carpio F, León N. Economic burden of illness from pesticide poisonings in highland Ecuador. PMID: 11036430 Pan American Review of Public Health September 2000;8(3):196-201 (SRA)
37. Beaton DE, **Cole DC**, Manno M, Bombardier C, Hogg-Johnson S, Shannon HS. Describing the burden of upper extremity musculoskeletal disorders in newspaper workers: What difference do case definitions make? J Occup Rehab March 2000;10(1):39-53; doi: 10.1023/A:1009489712094 (Co-PA)
38. Lee K, **Cole DC**. Workplace health promotion in Ontario public health units: Results of a survey of attendees of the 2000 Health Promotion Ontario Spring Conference focusing on workplace health promotion. PHERO (Public Health & Epidemiology Report Ontario) 2000;11(8):200-205 (Co-PA)
39. Anger WK, Liang Y-X, Nell V, Kang S-K, **Cole DC**, Bazylewicz-Walczak B, Rohlman DS, Sizemore OJ. Lessons learned: 15 years of the WHO-NCTB. PMID: 11130289 Neurotoxicology October 2000;21(5):837-846 (CA)
40. Brooker A-S, **Cole DC**, Hogg-Johnson S, Smith J, Frank JW, and the Early Claimant Cohort Prognostic Modeling Group. Modified work: Prevalence and characteristics in a sample of workers with soft tissue injuries. PMID: 11285876 J Occup Environ Med March 2001;43(3):276-284 (Co-PA)
41. Swift M, **Cole DC**, Beaton DE, Manno M, Worksite Upper Extremity Group. Health care utilization and workplace interventions for neck and upper limb problems among newspaper workers. PMID: 11285875 J Occup Environ Med March 2001;42(3):265-275 (SRA)
42. Mondloch MV, **Cole DC**, Frank JW. Does how you do depend upon how you think you'll do?: a structured review of the evidence for relation between patients' recovery expectations and outcomes. PMID: 11501456 CMAJ July 2001;165(1):174-179 (Co-PA)



43. Ibrahim SA, **Cole DC**, Scott F, Shannon HS, Eyles J. Job strain and self-reported health among working women and men: An analysis of the 1994/5 Canadian National Population Health survey. PMID: 11523634 *Women & Health* January 2001;33(1-2):105-124 (Co-PA)
44. **Cole DC**, Ibrahim SA, Shannon HS, Scott F, Eyles J. Work correlates of back problems and activity restriction due to musculoskeletal disorders in the Canadian National Population Health Survey (NPHS) 1994/95 Data. PMID: 11600729 *Occup Environ Med* November 2001;58(11):728-734 (PA)
45. Wakefield S, Elliott S, **Cole DC**, Eyles J. Environmental risk and (re)action: air quality, health, and civic involvement in an urban industrial neighbourhood. PMID: 11439253 *Health and Place* September 2001;7(3):163-177 (Co-PA)
46. **Cole DC**, Mondloch MV, Hogg-Johnson S. ECC Prognostic Modeling Group. Listening to injured workers: how do recovery expectations predict outcomes? PMID: 11944761 *Can Med Assoc J* March 2002;166(6):749-754 (SRA)
47. Sanborn M, Abelson A, **Cole DC**, Weir E. Identifying and managing the health effects of toxic environmental exposures: pesticides. PMID: 12054413 *CMAJ* May 2002;166(11):1431-1436. (Co-PA)
48. **Cole DC**, Wells RP. Interventions for musculoskeletal disorders in computer intense office work: a framework for evaluation. *Work & Stress* April-June 2002;16(2):95-106; doi: 10.1080/02678370210137751 (PA)
49. Arbuckle TE, Burnett R, **Cole DC**, Teschke K, Bancej C, Zhang J. Predictors of herbicide exposure in farm applicators. PMID: 12070637 *Int Arch Occup and Environ Health* August 2002;75(6):406-414 (Co-PA)
50. **Cole DC**, Manno M, Beaton D, Swift M. Transitions in self-reported musculoskeletal pain and interference with activities among newspaper workers. PMID: 12228947 *J Occup Rehab* September 2002;12(3):163-174 (SRA)
51. **Cole DC**, Sherwood S, Crissman C, Barrera V, Espinosa P. Pesticides and Health in Highland Ecuadorian Potato Production: Assessing impacts and developing responses. PMID: 12358074 *Int J Occup Environ Health* July 2002; 8(3):182-190 (SRA)
52. **Cole DC**, Ibrahim S, Shannon HS, Scott F, Eyles. Work and life stressors and psychological distress in the Canadian working population: a structural equation modeling approach to analysis of the 1994 National Population Health Survey. PMID: 12443565 *Chronic Diseases in Canada* June 2002;23(3):91-99 (PA)
53. **Cole DC**, Sheeshka J, Kearney J, Scott F, Ferron LA, Weber J-P, and the Fish and Wildlife Nutrition Project. Dietary intakes and plasma organochlorine contaminant levels among Great Lakes fish eaters. PMID: 12641195 *Arch Environ Health* September 2002;57(5):496-509 (SRA)
54. Morris RD, **Cole DC**. Environmental Health Surveillance: indicators for freshwater ecosystems. PMID: 12425174 *Can J Public Health* September 2002;93(1);S39-44 (Co-PA)

55. Driedger M, Eyles J, Elliott S, **Cole DC**. Constructing scientific authorities: Issue framing of chlorinated disinfection by-products in public health. PMID: 12224751 Risk Anal August 2002;22(4):789-802 (Co-PA)
56. Hogg-Johnson S, **Cole DC**, Frank JW. Early prognostic factors for duration on temporary total benefits in the first year among workers with compensated occupational soft tissue injuries. PMID: 12660372 Occup Environ Med April 2003;60(4):244-53 (Co-PA)
57. Mustard C, **Cole DC**, Shannon H, Pole J, Sullivan T, Allingham R, Sinclair S (2002). Declining trends in work-related morbidity and disability 1993-1998: A comparison of survey estimates and compensation insurance claims. PMID: 12893615 Am J Public Health August 2003;93(8):1283-1286 (Co-PA)
58. Baril R, Clarke J, Freisen M, Stock S, **Cole DC**, & the Work-Ready group. Management of return-to-work programs for workers with musculoskeletal disorders: A qualitative study in three Canadian provinces. PMID: 14512241 Soc Sci Med 2003; 57(11):2101-2114 (Co-PA)
59. Kramer D, **Cole DC**. Sustained, Intensive Engagement to Promote Health and Safety Knowledge Transfer to and Utilization by Workplaces. Sci Commun December 2003;25(1):56-82; doi: 10.1177/1075547003252334 (CA)
60. Van Eerd D, Beaton DE, **Cole DC**, Lucas J, Hogg-Johnson S, Bombardier C. Classification systems for upper-limb musculoskeletal disorders in workers: A review of the literature. PMID:14568622 J Clin Epidemiol October 2003;56(10):925-936 (Co-PA)
61. Murkin E, **Cole DC**, Kearney JP, Sheeshka J, Dawson J, and the Fish and wildlife Nutrition Project. Fish Consumption Among Fishers in Five Ontario Great Lakes AOCs. J Great Lakes Research January 2003;29(3):436-447; doi:10.1016/S0380-1330(03)70449-3 (CA)
62. Kearney JP, **Cole DC**. Great Lakes and inland sport fish consumption by licensed anglers in two Ontario communities. J Great Lakes Research July-August 2003; 29(3):460-478; doi:10.1016/S0380-1330(03)70451-1 (CA)
63. Lemieux-Charles L, McGuire W, Champagne F, Barnsley J, **Cole DC**, Sicotte C. The use of multilevel performance indicators in managing performance in health care organizations. Management Decision October 2003;41(8):760-770; doi:10.1108/00251740310496279 (CA)
64. **Cole DC**, Wells RP, Frazer MB, Kerr MS, Neumann WP, Laing AC, & the Ergonomic Intervention Evaluation Research Group. Methodological issues in evaluating workplace interventions to reduce work-related musculoskeletal disorders through mechanical exposure reduction. PMID: 14584520 Scan J Work Environ Health October 2003;29(5):396-405 (PA)
65. Konradsen F, van der Hoek W, **Cole DC**, Hutchinson G, Daisley H, Singh S, Eddleston M. Reducing acute poisoning in developing countries – options for restricting the availability of pesticides. PMID: 14580791 Toxicology November 2003;192(2-3):249-61 (CA)

**2004+** [since application for tenure]

66. **Cole DC**, Rivilis I. Individual Factors and Musculoskeletal Disorders: a framework for their consideration. PMID: 14759757 J Electromyogr Kinesiol February 2004;14:121-127 (SRA)
67. Arbuckle TE, **Cole DC**, Ritter L, Ripley B, Band P, Bartlett S. Farm Children's Exposure to Herbicides: comparison of exposure estimates derived from biomonitoring and questionnaire data. PMID: 15127911 Epidemiology March 2004;15(2):187-194 (Co-PA)
68. Strong S, Baptiste S, **Cole DC**, Clarke J, Costa M, Shannon H, Reardon R, Sinclair S. Functional Assessment of Injured Workers: A profile of assessor practices. PMID: 15015897 Can J Occup Ther February 2004;71(1):13-23 (Co-PA)
69. **Cole DC**, Kearney J, Sanin LH, Leblanc A, Weber JP. Blood mercury levels among Ontario anglers and sport-fish eaters. PMID: 15220065 Environ Res July 2004;95:305-314 (SRA)
70. Kramer DM, **Cole DC**, Leithwood K. Doing knowledge transfer: engaging management and labour with research on employee health and safety. Bull Sci Technol Soc August 2004;24(4): 316-330; doi:10.1177/0270467604267003 (Co-PA)
71. Shannon HS, **Cole DC**. Commentary III. Making workplaces healthier: generating better evidence with work organization intervention research. PMID: 15150858 Social and Preventative Medicine April 2004;49(2):92-94 (Co-PA)
72. Yanggen D, **Cole DC**, Crissman C, Sherwood S. Pesticide use in highland Ecuador commercial potato production: reflections on research and intervention to promote highland ecosystem health. Ecohealth October 2004;1(suppl. 2):72-83; doi:10.1007/s10393-004-0056-z (Co-PA)
73. Strong S, Baptiste S, Clarke J, **Cole DC**, Costa M. Use of Functional Capacity Evaluations in Workplaces and the Compensation System: A Report on Workers' and Report Users' Perceptions. PMID: 15328464 Work; January 2004; 23(1):67-77 (CA)
74. Beech-Hawley L, Wells R, **Cole DC**. A multi-method approach to assessing deadlines and workload variation among newspaper workers. PMID: 15328462 Work; January 2004; 23(1):43-58 (Co-PA)
75. **Cole DC**, Robson L, Lemieux-Charles L, McGuire W, Sicotte C, Champagne F. Quality of working life indicators in Canadian healthcare organizations: a tool for healthy healthcare workplaces? PMID: 15699091 Occup Med January 2005;55(1):54-59 (SRA)
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  38. McGahan AM, Rezaie R, **Cole DC**. Embedded innovation in health. Ch 5 In: Wong J, Soman D (eds). *Innovating for the Global South: Towards an Inclusive Innovation Agenda*. University of Toronto Press 2014, pp 94-114 (Co-A)
  39. **Cole DC**. Reporting health research. Ch 12 in Bassil K and Zabzkiewicz D (eds) on *Health Research Methods: a Canadian perspective* by Oxford University Press 2014, pp 233-246 (PA)
  40. VanEerd D, **Cole DC**, Steenstra I. Participatory Ergonomics in Return to Work. Chapter 17 in Izabela Z. Schultz & Robert Gatchel (eds). *Handbook of Return-To-Work*. Springer; New York USA et al; 2015, 289-306 (Co-A)
  41. Paredes M, **Cole DC**, Munoz F, April-Lalonde G, Valero Y, Prado P, Boada L, Berti P and the Ekomer project team. Assessing responsible consumption in three Ecuadorian city-regions to inform a social movement. In: Blay-Palmer A, Damien Conaré, Amanda Di Battista, Kenneth A. Meter (eds). *Sustainable Food System Assessment: Lessons from Global Practice* (SRA) 2019 (co-PA) Open access at: <https://www.routledge.com/Sustainable-Food-System-Assessment-Open-Access-Lessons-from-Global-Practice/Blay-Palmer-Conare-Meter-Di-Battista-Johnston/p/book/9781138341951>
  42. Hathaway M, **Cole DC**, Poland B. Cultivating Ecological Consciousness. Chapter for: Katharine Zywert, Stephen Quilley (eds). *Health in the Anthropocene: Living Well on a Finite Planet*. University of Toronto Press (2020) (Co-A)  
<https://books.scholarsportal.info/en/read?id=/ebooks/ebooks5/upress5/2019-1216/1/9781487533410>
  43. Robillard, Chantal; Perras Saint-Jean, Gabrielle; McLaughlin J; **Cole DC**. Gardiennes du secret: pourquoi les intervenantes sont confinées dans le rôle de confidentes des travailleuses étrangères abusées. Chapitre dans: Alexis Martig and Jorge Pantaleon (eds) "*Travail, exploitations et servitudes contemporaines dans les Amériques*". Presses universitaires de Laval (2019 octobre 15) (Co-A)
  44. Buse CG, **Cole DC**, Parkes MW. Health security in the context of socio-ecological change. In: Lautensach, A. & S. Lautensach (eds.). *Human Security in World Affairs:*



*Problems and Opportunities*. A BC Open Campus Publication (Co-A) Sept 2020  
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45. Elton S\*, **Cole DC**. Teaching global health ethics: an ecological perspective. Ch 37 In: Solomon Benatar, Gillian Brock (Eds.) *Global Health: Ethical Challenges*. Cambridge University Press, Feb 2021. pp 459-469 (Co-A)
46. Elton S\*, **Cole DC**. Eating for health and the environment: Food systems analysis and the ecological determinants of health. Ch 16 In: Kevany KM, Prosperi P (eds). *Routledge Handbook of Sustainable Diets*. Routledge, 2022 Dec 30 Taylor & Francis London & New York (Co-A) 176-187

**Accepted**

**Submitted**

**In preparation**

### **3. ABSTRACTS**

#### **PUBLISHED ABSTRACTS:**

1. Gibson BL, **Cole DC**, Eyles J. The environmental burden of human illness in the Great Lakes: setting priorities. 8th Annual Conference of the International Society for Environmental Epidemiology. Edmonton, AB. August 17-21, 1996 (Co-PA)
2. Kearney J, **Cole DC**. Levels of environmental contaminants in blood and hair samples from Ontario anglers. 8th Annual Conference of the International Society for Environmental Epidemiology. Edmonton, AB. August 17-21, 1996 (Co-PA)
3. **Cole DC**, Julian J, Carpio F, Leon N. Agricultural pesticide exposure and peripheral neurologic outcomes: a cross-sectional survey. 8th Annual Conference of the International Society for Environmental Epidemiology. Edmonton, AB. August 17-21, 1996 (PA)
4. **Cole DC**, Koehoorn M, Ibrahim S, Hertzman C, Ostry A, Xu F, Holmes P. Factors associated with musculoskeletal outcomes among health care workers – a multilevel analysis (339). *American Journal of Epidemiology* 2005;161(Suppl): S85 (Co-PA)
5. Rivilis I, **Cole DC**, Frazer M, Kerr M, Ibrahim S, Wells R. Quasi-experimental evaluation of a workplace ergonomic intervention 342-S). *American Journal of Epidemiology* 2005;161(Suppl): S86 (Co-PA)

*6 to 10 published in Epidemiology. 18(5) (Suppl):S7, September 2007 as part of the 19<sup>th</sup> Conference for the International Society for Environmental Epidemiology (ISEE). Mexico City. September 5-9, 2007:*

6. Bassil K, **Cole DC**, Moineddin R, Lou W, Rea E. Use of GIS to direct public health interventions for heat-related illness: S64-S65
  7. Bienenfeld M, **Cole DC**, Wanigaratne S, Whate R, Crosse E, Reffle J, Mee C, Vanderlinden L. Assessing the impact of a municipal pesticide use bylaw: a quasi-experimental evaluation: S149
  8. Chaudhuri N, **Cole DC**, Niang S. Changes in understanding of environmental health risks linked to a Participatory Education and Action Research (PEAR) process among urban farmers: S38
  9. **Cole DC**, Orozco F, Wanigaratne S, Ibrahim S, Lochhead S, Munoz F. Explaining community variation in pesticide use and health outcomes in Andean Ecuador: S128.
  10. Wanigaratne S, Orozco F, **Cole DC**. Epidemiologic Monitoring and Implementation of the FAO Code of Conduct-Pesticide use in Ecuador: S181-S182
  11. Van Eerd D, **Cole DC**, Village J, Theberge N, St Vincent M, Clarke J, Keown K, Mahood Q, Irvin E, Cullen K, Widdrington H. Process and implementation of participatory ergonomics: A review of the peer-reviewed literature. ACE 2007 Association of Canadian Ergonomists 38th Annual Conference. Toronto, Ontario. October 14-17, 2007.
  12. Van Eerd D, Village J, Mahood Q, Irvin E, Keown K, Clarke J, **Cole DC**, Theberge N, St Vincent M, Cullen K, Widdrington H. Reviewing the grey literature on process and implementation of participatory ergonomics: benefits and challenges. ACE 2007 Association of Canadian Ergonomists 38th Annual Conference. Toronto, Ontario. October 14-17, 2007.
- 13 to 17 published in EPI 2008: XVIII IEA World Congress of Epidemiology, Porto Alegre, Brazil, September 20-24 - Revista Saude Publica Brasileira supplement:*
13. Orozco F, **Cole DC**, Muñoz F, Ibrahim S, Perez C, Wanigaratne S, Arevalo J, Guzman L. Multidisciplinary action research to reduce hazardous pesticide use
  14. **Cole DC**, Ibrahim S, Brown P, Koehoorn M. Multi-level modeling of repeat binary outcomes: a comparison of approaches.
  15. **Cole DC**, Wells R, Theberge N; Dixon SM; Rivilis I, Neumann WP; Ibrahim S. Assessing and modifying risks for musculoskeletal disorders (MSD) .
  16. Bondy S, Johnson I, **Cole DC**, Scott F. Using competencies to inform curriculum in an integrated masters program.
  17. Orozco F, **Cole DC**, Munoz F. Farm household gender roles, differences in crop management and health implications.

18. **Donald Cole**, Ritsuko Kakuma, Sharon Fonn, Chimaraoke Izugbara, Margaret Thorogood, Imelda Bates. Evaluations of health research capacity development: a review of the evidence. American Society of Tropical Medicine and Hygiene. 61st Annual Meeting November 11-15, 2012 Atlanta Marriott Marquis, Atlanta, Georgia USA. Am J Trop Med Hyg November 2012; 87, No 5 supplement, Abstract number 801
19. Leao AL, Barbosa-Branco A, Turchi M, **Cole D**, Steenstra I. Incidence of sickness absence among Brazilian public workers. Occupational and Environmental Medicine 2014; 71, Suppl 1: A104. DOI 10.1136/oemed-2014-102362.327
20. Pakes BN. **Cole DC**. A taxonomy of global health: a qualitative analysis at a large academic health sciences centre. Lancet Global Health, meeting abstracts. May 10, 2014.
21. C.L. Wiseman, D. Chakravarty, J.A. Archbold, R. Copes, N. Zawar, A. Parnia, S. Chen, **D. Cole**. Blood Metal Concentrations in Newcomer Women in Toronto, Canada. SETAC NA Annual Meeting, Las Vegas, USA. 2015 Nov 1-4. Abstract 163, p 46.
22. Paula Braitstein, Tenzin Lama, Susan Keino, Branka Gladanac, Faith Yego, **Donald Cole**, John Simiyu Tabu, Andrea Cortinois, Carren Tarus, Ann Fox. Increasing food security and nutrition resilience in response to climate change in east Africa: findings from a multisectoral symposium. The Lancet Global Health. Published Online April 7, 2017 [www.thelancet.com/lancetgh](http://www.thelancet.com/lancetgh)

## ACCEPTED ABSTRACTS

# Part G – PRESENTATIONS & KNOWLEDGE TRANSFER

## 1. PRESENTATIONS

### INVITED PRESENTATIONS:

#### Metropolitan Toronto region

1. **Cole DC**, Hogg-Johnson S, Lee H, & WUER/TSSONG Team. MSD-related Health Care Utilization: Attribution and Coverage in a Workforce. Toronto: IWH Plenary. Tuesday May 17, 2005.
2. **Cole DC**. Evaluating a Workplace Intervention – Modelling Change in a Workforce. University of Toronto Epidemiology Seminar Series. Prosserman Center for Health Research, Mount Sinai Hospital. Wednesday April 28, 2004.
3. Guzman J, MacEachen E, **Cole DC**. Transdisciplinary Rounds: “What Makes a Good Theory?” IWH Internal Plenary. October 26, 2004.

4. **Cole DC.** Evaluating worksite ergonomic interventions for MSD. Occupational Medicine Rounds. St. Michael's Hospital, Toronto. January 12, 2005.
5. **Cole DC.** Social & political challenges of reducing pesticide use in highland Ecuador – Implications for Ontario. Health Promotion Summer School, Toronto, ON. June 27, 2006.
6. **Cole DC,** Ibrahim S. Clustered Data in Community & Workplace Health. Workshop on Methodological Challenges in Public Health Research. Toronto, ON. September 29, 2006.
7. **Cole DC.** Capacity building to confront global health inequalities. Global Health in an Unequal World Workshop. Universities of Ottawa and Toronto, 9 April 2008.
8. **Cole DC.** Leadership in Global Health: What might it mean for each of us? Global Health Education Initiative Celebration, Toronto, 20<sup>th</sup> June 2012
9. **Cole DC.** Farm family health and ecological sustainability. How can they meet? International Conference on Feeding Cities 2014: Rural-Urban Connections and the Future of Family Farming. 2014 June 23-24, Ryerson University, Toronto, Canada
10. **Cole DC.** Agroecosystems, pesticides and public health – grappling with a wicked problem. Ecohealth and Global Health Symposium. 2015 Dec 7. York University, Toronto, Canada
11. **Cole DC.** Agricultural work, food systems and ecosystems: reflections on a research 'program'. Institute for Work & Health 2016 Jan 19. Toronto
12. **Cole DC,** Barnsley J. Demonstrating teaching effectiveness. DLSPH Lunch & Learn, Toronto, 2016 March 16
13. Tew M, **Cole DC.** Occupational Health Services for Ontario Migrant Farm Workers - Needs, Experience & Options, 2017 Oct 12, St. Michael's Hospital Occupational Medicine Rounds
14. **Cole DC,** Ng, E, Fox A. A consulting model in a Community Food Systems course. Faculty Institute on Community-Engaged Learning (CEL), 2017 Jun 8. Hart House, University of Toronto
15. Bondy S, Wambura Mbuthia G, Oluwafunke Obiyan M, **Cole DC.** CARTA Africa: a model multi-disciplinary researcher development program. DLSPH Teaching Pedagogy Brown Bag Seminar, 2017 Nov 29
16. **Cole DC,** Elton S, Mulligan K. Experience of creating and implementing a Cross-Listed (Undergraduate and Graduate) Course in Ecological Public Health. DLSPH Teaching Pedagogy Brown Bag Seminar, 2018 Jan 31
17. **Cole DC.** Nurturing eco-social health - potential PHPM roles & research needs. Ian Johnson PHPM Research Day on Eco-social health promotion. 2023 Nov 17

### Canadian Provincial/Regional

1. **Cole DC**. Pesticide health problems and family physicians. College of Family Physicians of Ontario Annual Scientific Conference. Toronto, ON. Nov 1992
2. **Cole DC**, Abelson A. Environmental history taking. College of Family Physicians of Ontario Annual Scientific Conference. Toronto, ON. Nov 1993
3. **Cole DC**. Indicators of environment and health in local state of environment/sustainable development reporting. Ontario Air and Waste Management Association's Annual Spring Conference. Hamilton, ON. 1 May 1995
4. **Cole DC**. Reproductive outcomes and environmental risks. Symposium on Environmental Risk - Unpacking the Black Box. Hamilton, ON. 6-8 Nov 1995
5. **Cole DC**. Pesticide exposure and potential health effects - certain and uncertain science and its implications for children's health. Children's Health and Environment Workshop. Toronto, ON. 28 Oct 1996
6. **Cole DC**, Hyatt D, Sinclair SJ. Economics of RSI/WMSD: Causes, costs and efficiency. Ontario Physiotherapy Association's First International Conference on RSI. Toronto, ON. 15-16 Jan 1997
7. **Cole DC**. Secondary prevention of back pain disability at work. 10th Inter-Urban Pain Conference. Chronic Pain: Disability and Management. London, ON. 21 Nov 1997
8. Chung J, **Cole DC**. Reporting and non-reporting repetitive strain injury to the workplace: a case study using qualitative and quantitative methods in a large newspaper. Health & Society Group, McMaster University. Toronto, ON. 8 Jan 1998
9. **Cole DC**, Kramer D. Looking at both biomechanical and psychosocial effects. Industrial Accident Prevention Association Conference. Toronto, ON. 10-12 Apr 2000
10. **Cole DC**. Evaluating Worksite Ergonomics Intervention Programs. Occupational Health, Hygiene & Toxicology Rounds. McMaster University. Hamilton ON. February 18, 2004
11. Lewchuk W, Robertson D, **Cole DC**, Kerr M, Haines T. Unions, collective agreements and health outcomes. 4<sup>th</sup> International Conference on Work Environment and Cardiovascular Diseases. McMaster University, Hamilton, March 9-11, 2005
12. Bassil KL, **Cole DC**, Smoyer-Tomic K. Review of evidence for effective public health heat interventions. Peel Region Extreme Heat Stakeholders Meeting. Toronto, ON. April 2007
13. **Cole DC**. Environmental health research. Workshop organized by Ontario College of Family Physicians Environment Committee, Toronto. 18 April 2008

14. **Cole DC** (moderator), Dewey C, Howard J. The Language of Health. Part of EcoHealth Day, Environmental Studies Association of Canada "Environmental Knowledge: People and Change" - part of Congress 2012 of the Humanities and Social Sciences. Crossroads: Scholarship for an uncertain world. 26 May to 2 June 2012, Wilfrid Laurier University & University of Waterloo
15. **Cole DC** (panel moderator), Gardner C, Gavin G, Voigt R. Adapting to the Anthropocene. Ecohealth in Action 2017 Nov 9. Chestnut Centre, Toronto, ON.
16. Madden A, **Cole DC**. Rural Health Care - Challenges and Opportunities. Alliance for Healthier Communities Board Meeting, 2019 Dec 3, Toronto ON.
17. **Cole DC**, Rural Occupational Medicine and Primary Care in Bruce Grey: Focus on Serving Farmworkers Better. October 22, 2021 –Grey Bruce Health Services Clinical Rounds
18. **Cole DC**, Coping with COVID Wave 4: Strategies for Resilience, GBHS 2021 Wellness Fair

### Canadian National

1. Poon R, Kearney J, **Cole DC**. Cotinine and Glucaric Acid. Great Lakes Health Effects Program Science Workshop. Aylmer, PQ. 1-3 Mar 1994
2. **Cole DC**, Gibson BL, et al. Exposure to contaminants through fish and wildlife consumption in Great Lakes populations. Great Lakes Health Effects Program Science Workshop. Aylmer, PQ. 1-3 Mar 1994
3. **Cole DC**. Biomarkers from a clinical epidemiology perspective. Health Canada Biomarkers Workshop. Ottawa, ON. 9-10 Jan 1995
4. **Cole DC**. Upper extremity soft tissue injuries. Annual Conference of the Occupational and Environmental Medical Association of Canada. Toronto, ON. 30 Sept- 4 Oct 1995
5. **Cole DC**, Frank JW, Sinclair SJ, Johnson SH, Shannon HS, Bombardier C, Beaton DE. Prevention of back pain disability at work in persons who already have symptoms. Keynote address: Human Factors Association of Canada 28th Annual Conference. Kitchener, ON. 23-26 Oct 1996
6. **Cole DC**. Workplace changes and RSI/WMSD: A case example. USWA National Health, Safety and Environment Conference. Toronto, ON. 19-20 Jun 1998
7. Berti P, **Cole DC**, Crissman C. Pesticides and health in potato production in Highland Ecuador. Canadian Society for International Health. Ottawa, ON. Nov 1999
8. **Cole DC**. Research and balancing values with economics. Health, Work and Wellness Institute of Canada Conference 2000. Toronto, ON. 23-25 Oct 2000

9. Morris B, **Cole DC**. Indicators of human health for freshwater ecosystems. Paper for Consensus Conference on Environmental Health surveillance organized by the Health Professionals Taskforce on the International Joint Commission. Quebec City, PQ. Oct 2000
10. **Cole DC**, London L. Pesticides, women and international development: an ecosystem approach to human health. Public Lectures (in Montreal, Halifax and Edmonton) on the Ecohealth Tour 2001 Programme. 6-13 Feb 2001
11. **Cole, DC**. Réfléchissements sur l'Évaluation des Interventions Visés aux Troubles Musculo-Skeletiques dans les Entreprises. L'institut De Recherché Robert Sauvé En Santé Et En Sécurité Du Travail (IRSST). 12 janvier 2006
12. Bigelow PL, **Cole DC**, et al. Roundtable on Engaging Workplaces in Intervention Research. SafetyNet and Canadian Association for Research on Work Meetings and Health (CARWH) International Conference. St. John's NL, June 7-10, 2006
13. Theberge N, **Cole DC**, Dixon S, Rivilis I and the Members of the Ergonomics Intervention Research Group. Examining Participatory Ergonomics from a Multidisciplinary Perspective. Canadian Association for Research on Work Meetings and Health (CARWH) International Conference. St. John's NL, June 7-10, 2006
14. **Cole DC**. We're giving each other challenges – Research on workplace health and safety: From the core to the margins. Canadian Association for Research on Work Meetings and Health (CARWH) International Conference. St. John's NL, June 7-10, 2006
15. **Cole DC** and the HortiSana team. Food Security, Environmental Health & Equity. Environmental Health and Equity. Global strategies and innovation. Institute For Health and Social Policy and Global Health Programs Research to Policy Conference. April 30, 2011 / OMNI Mont-Royal Hotel, Montreal
16. **Cole DC** on behalf of multiple teams. Evaluating capacity development (CD) in ecohealth research. Ecohealth Teaching Workshop, UQAM, Montreal. November 2011
17. Boutilier Z, **Cole DC** (presenter), Kahwa E, Ndetei D, Mutiso V. Launching and enriching careers in global health research: how mentorship can help. Global Health Conference (CSIH-CUGH-GHEC), Montreal, Quebec, 13-15 November 2011
18. De Ruggiero E, Edwards N, Hadad S, **Cole DC** (presenter). Interactive Workshop on Creating Sustainable Career Paths in Global Health Research. American Academy for the Advancement of Science, 16-20 February, 2012. Vancouver BC.
19. Lebel J (chair), Pedersen D, Saunders D, DeRuggiero E, **Cole DC** (panel member), Fadi E. What is the future of global health research? Global Health Research Initiative Conference, Ottawa ON, 1-3 October, 2012.

20. Gagnon D (organizer), De Ruggiero E, Daibes I, King M, Edwards N, Stephens C, Wind T, Tremblay P, **Cole DC** (panel member) – Workshop on Innovations in Global Health Research Evaluation, Global Health Research Initiative Conference, Ottawa ON, 1-3 October, 2012.
21. Martin K (Chair), Poland B, Hu H, **Cole DC** (Panel member). Sustainable Development and Health. Canadian Conference on Global Health, Ottawa, ON 21-23 October 2012.
22. Bondy S, Dinh T, **Cole DC**, Olds RS, Croxford R. Toward a “Competencies for Epidemiologists in Canada” Framework CSEB 2015 Pre-Conference Workshop. June 1, 2015, Mississauga, ON

### International

1. Stock SR, **Cole DC**, Chong J, Tennessee M. Occupational health under the Canadian publicly funded health system. APHA Annual Scientific Conference. New York, NY. 1 Oct 1990
2. **Cole DC**, et al. Assessing health impacts of pesticide use in the potato farming region of Carchi, Ecuador - work in progress. Paper for workshop on Measuring Health and Environmental Effects of Pesticides. Bellagio, Italy. 30 Mar - 3 Apr 1992. 36 pp.
3. **Cole DC**. Environmental health in Canada. Society of Occupational and Environmental Health Conference on the Impact of NAFTA. Washington, D.C. Sept 1993
4. Crissman C, **Cole DC**. Pesticide use and farm worker health in Ecuadorian potato production. Allied Social Science Associations Meetings. Boston, Mass. 3-5 Jan 1994
5. **Cole DC**. Physicians and Environmental Health: Overcoming educational obstacles - the Canadian experience. Great Lakes Environmental Health Curriculum Workshop. Wingspread, Michigan, 4-6 Nov 1994
6. Kearney J, **Cole DC**. Great Lakes basin anglers exposure assessment study. Sharing Knowledge, Linking Sciences: an International Conference on the St. Lawrence Ecosystem. Cornwall, Ontario and Massena, New York, NY. 10-12 May 1995
7. **Cole DC** & the Fish and Wildlife Nutrition Project Team. A shore survey of fish and wildlife consumption among multi-ethnic fishers. First Buffalo Environmental Health Sciences Conference. Amherst, NY. 19 Apr 1996
8. **Cole DC**, Beaton DE. Upper extremity guidelines, prognosis and treatment of upper extremity musculoskeletal disorders. American College of Occupational and Environmental Medicine's State-of-the-Art Conference on Managed Care and Occupational Medicine. Toronto, ON. 27-31 Oct 1996



9. Beaton DE, **Cole DC**, Manno M, Hogg-Johnson S, Bombardier C, and the Worksite Upper Extremity Group. The implication of case definition in surveys of work-related musculoskeletal disorders. Presentation to PREMUS/ISEOH'98. Helsinki, Finland. 20 Sept 1998
10. **Cole DC**. Eco-Salud Project. Production - Environmental - Health Tradeoffs Project Meeting, Quito, Ecuador. 8-10 Mar 1999
11. **Cole DC**. Pesticides and health in potato production in Highland Ecuador, El Centro Internacional de la Papa and Instituto Nacional Autonomo de Investigaciones, Ambuqui, Ecuador. Oct 1999
12. **Cole DC**, Brooker A-S, Clarke J, Early Claimant Cohort Prognostic Modeling Working Group & HEALNet WorkReady Research Team. Organizational factors & return to work (RTW) following lost-time injury (LTI). National Occupational Injury Research Symposium (NOIRS) 2000. National Institute for Occupational Safety and Health (NIOSH). Pittsburg, PA. 17-19 Oct 2000
13. Ferrier S, **Cole DC**, Deverell J. Work-related Stressors and Musculoskeletal Problems at The Toronto Star. Roundtable, American Public Health Association meeting. Boston, MA. 12-16 Nov 2000
14. Antle J. **Cole DC**. Pesticide usage in developing countries. ABCDE Workshop—Environmental Health Issues in Developing Countries. Presentation at the World Bank. Washington, DC. 1 May 2001
15. **Cole DC**. Reduce injuries and create a healthy workplace, by paying attention to both the physical and psychosocial workplace factors. Information Exchange meeting with the Institute for Work & Health and Safety Associations. 24 May 2001
16. **Cole DC**. Changing Agro-Ecosystem Management to Reduce Pesticide Use and Improve Human Health. CIDA International Cooperation Days. Ottawa Congress Centre, Ottawa, ON. 18-20 June 2001
17. **Cole DC**. Health, agriculture and economics: exploring the tradeoffs and synergies. Centre for International Health – First Annual Global Health Research Conference. Toronto, ON. May 3-4, 2002
18. **Cole DC**. Contributions of agricultural research to human health. International Potato Centre Strategic Planning Workshop, Lima, Peru, November, 2002
19. **Cole DC**, Kearney J, Sanin LH, Weber J-P. Blood mercury levels among Ontario fishers. An Ecosystem Approach to the Health Effects of Mercury in the Great Lakes Basin Workshop. Windsor, ON. February, 2003. Funding via Contract 602-901-28 for Bioregional Health Effects Program, Health Impacts Bureau, Health Canada
20. Wells RP, **Cole DC**, Norman RW, Frazer MB, Theberge N, Kerr MS. Ergonomic Intervention Research in North America. The 27th International Congress on Occupational Health. Iguarru, Brazil. February 23-28, 2003

21. **Cole DC**. Individual factors and musculoskeletal disorders. Invited presentation to State-of-the-Art Research (STAR) Symposium: Perspective on Musculoskeletal Disorders Causation and Control. Co-sponsored by the National Institute for Occupational Safety and Health (NIOSH) and the Institute for Ergonomics at The Ohio State University. Columbus, Ohio, May 21-22, 2003
22. **Cole DC** in collaboration with Bassil K, Jones-Otawa H, Diamond M. Health risk assessment in UPA. Invited presentation to workshop on "Health risks and benefits of urban and peri-urban agriculture and livestock (UPA) in sub-Saharan Africa". Nairobi, Kenya. June, 2003. Funded by IDRC
23. **Cole DC**, Wells R. Stop RSI: A six year intervention and evaluation study in the newspaper industry. Sixth Annual Marconi Research Conference at Marigold: Epidemiologic Intervention Studies Among Computer Users. Holland, Michigan, September 12-14, 2003
24. Franche RL & **Cole DC**. Défis méthodologiques des recherches sur l'intervention en milieu de travail. Roundtable participation – Des interventions à développer, à supporter et évaluer. 1er Congrès francophone sur les TMS du membre supérieur. Nancy, France. Mai 2005
25. **Cole DC** Developing agricultural systems to promote better health for all. At Roundtable on Agriculture & Health Linkages, IFPRI, Washington DC. USA June 23-24, 2005
26. **Cole DC**, Tompa E. Office Ergonomics Research Committee (OERC) Annual Conference. Loews Annapolis Hotel, Annapolis Maryland USA, Sept. 22-24, 2005
27. Orozco F, **Cole DC**. Plataformas Multidisciplinarias en la Investigación Acción de Salud y Agricultura. 11vo Congreso Mundial de Salud Pública y 8vo Congreso Brasileiro de Salud Colectiva. Rio de Janeiro, August 2006
28. Orozco F, **Cole DC**, Muñoz V, Altamirano A, Wanigaratne S, Espinosa P, Muñoz F. Relationship among production systems, pre-school nutritional status and pesticide – related toxicity in seven Ecuadorian communities – a multi-case study approach. International Potato Centre Annual Review. Lima, Peru. November 1, 2006
29. **Cole DC**, Sherwood S, Paredes M, Sanin LH, Crissman C, Espinosa P, Muñoz F. Reversing pesticide neurotoxic effects in farm households. International Potato Centre Annual Review, Lima, Peru. November 1, 2006
30. **Cole DC**. Agriculture and Human Health Division. External Program and Management Review (April 13, 2007) and Board Program Committee (April 18, 2007), International Potato Centre, Lima, Peru
31. **Cole DC**. Collaborative Research for Development on Agriculture and Human Health. Platform on Agriculture and Health Meeting, WHO-UNAIDS, Geneva, Switzerland. 25 June 2007
32. **Cole DC**. Canadian experience in relation with MSD. 19<sup>th</sup> Conference of the International Society for Environmental Epidemiology (ISEE), Mexico City, Mexico. September 5-9, 2007

33. **Cole DC.** People, Forests, Agro-ecosystems and Human Health. 2007 International Congress on a Global Vision of Forestry in the 21st Century. Toronto, ON. 30 Sept-3 Oct 2007
34. **Cole DC.** Anderson N, Mbugua S, Karanja N, Yeudall F, Njenga M, Prain G, Sellen D and SEHTUA partners. Livelihoods, crises & food security among HIV/AIDS affected households in Nakuru, Kenya. International AIDS Congress, Mexico City, 2-9 August 2008
35. **Cole DC.** Options for healthy agricultural production and commercialization. EcoHealth 2008, Merida, Mexico, 30 November, 2008 (Session Organizer)
36. **Cole DC.** Healthy City Harvest: Generating evidence to guide policy. African Population and Health Research Centre, Nairobi, Kenya, 12 January 2009
37. **Cole DC,** Nasinyama G. Generating evidence to inform policy and programs: food and nutrition security and agriculture in Kampala. Makerere University School of Public Health, Kampala, Uganda, 11 March 2009
38. **Cole DC.** Agriculture and Human Health Research Capacity Strengthening. London International Development Centre, London UK, 22 April 2009
39. **Cole DC.** Canadian Coalition for Global Health Research ([www.ccghr.ca](http://www.ccghr.ca)) & CARTA. Consortium for Advanced health Research Training in Africa (CARTA – General). Rockefeller Foundation, Bellagio, Italy, 1 June 2009
40. **Cole DC.** Monitoring and Evaluation of CARTA. Consortium for Advanced health Research Training in Africa (CARTA – General). Rockefeller Foundation, Bellagio, Italy. 5 June 2009.
41. **Cole DC.** Confronting a wicked problem: how to shift horticultural systems away from hazardous pesticide use in the Andes? Wageningen University, The Netherlands, 8 June 2009
42. **Cole DC.** Food Production & Consumption and Health in Kampala, Uganda. WASS Symposium on Diets for Sustainability, Wageningen 7 Dec 2010 and repeated at Environment and Health Seminar, UofT, March 2011
43. **Cole DC,** Bates I, Aslanyan G. Evaluating health research capacity development. Session organizer (connector) and presenter. COHRED - Global Health Forum, Capetown South Africa, 23-26 April 2012.
44. Bates I, **Cole DC.** Update on Capacity Research Unit for Liverpool School of Tropical Medicine Trustees. 2014 Mar 24
45. **Cole DC.** Global health research and capacity strengthening – How do we evaluate it? A view from Canada. The George Institute for Global Health. 2014 Nov 26
46. **Cole DC.** Evaluating a complex, multi-sectoral intervention to improve maternal and infant nutrition in Western Kenya. Design, implementation and evaluation framework and preliminary findings. University of Warwick Medical School. 2015 April 9

47. **Cole DC**. Moving farming and food systems towards farmer well-being, consumer food security and ecosystem sustainability – what policies and practices could make a difference globally? Evidence-based decision support for food security' workshop. University of Warwick. 2015 April 15-17
48. Harper SL, Kipp A, and **Cole D**. (2018). Using the term 'Global South' in IPCC reports. IPCC Lead Author Meeting, Sixth Assessment Cycle, Lanzhou, China.

## PEER-REVIEWED PRESENTATIONS

### Metropolitan Toronto region

1. Sanin LH, **Cole DC**. Time to First Pregnancy Among Women Working in Intensive Agricultural Production in Columbia. Issues in Women's Health Research Day. Centre for Research in Women's Health, Toronto, Ontario. May 15, 2003
2. **Cole DC**, Plugge EH. Background influences on students' perceptions of a global health masters' course. Wilson Centre – Research Day, 9 October 2009
3. 9 October 2009. Kakuma R, **Cole DC**, Vic Neufeld and colleagues. The Canadian Coalition for Global Health Research Summer Institute – Innovative initiative for capacity development? Wilson Centre – Research Day, 9 October 2009.
4. Ritsuko Kakuma, **Donald C Cole**, Niall Byrne and Imelda Bates. Evaluating Capacity Development in Global Health Research: Where is the evidence? Wilson Centre Research Day, October 22, 2010
5. Shweta Dhawan, **Cole DC**, Alexandra Martiniuk, Stephanie Nixon, Andrew Pinto. A Pilot Mentorship Program for Early Career Global Health Researchers. R.K. Reznick Wilson Centre Research Day: 12<sup>th</sup> Oct 2012.
6. Ann Fox, **Cole DC**. Assessment layering to promote creative and critical thinking in a competency driven graduate Food Systems course. Powerful Assessment Workshop, CTSI Toronto, 2016 Mar 1

### Provincial/Regional

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41. Dixon S, Theberge N, **Cole DC**. “We get things done because of the health and safety manager.” Exploring the social dynamics of occupational health and safety programs. North Central Sociological Association Annual Meetings. Pittsburgh, Pennsylvania. 7-10 April 2005
42. Bassil K, Gournis, E, **Cole DC**, Utility of 911 Ambulance Dispatch Data for the Syndromic Surveillance of Heat-Related Illness. 2006 Syndromic Surveillance Conference, International Society for Disease Surveillance (ISDS), Baltimore Maryland, USA. 19-20 October 2006
43. Griffith L, **Cole DC**. Mechanical exposure information available in studies assessing the relationship between workplace factors and low back pain. PREMUS 2007 -- Sixth International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders, Boston, MA. August 27-30, 2007
44. Van Eerd D, Chen C, **Cole DC**, Hogg-Johnson S, Wells R, Moore A, Mazumder A. Changes in mechanical exposures among office workers. PREMUS 2007 -- Sixth International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders, Boston, MA. August 27-30, 2007
45. Van Eerd D, **Cole DC**, Village J, Theberge N, St Vincent M, Irvin E, Clarke J, Keown K, Mahood Q, Widdrington H. Process and Implementation of participatory Ergonomics: reviewing the literature. PREMUS 2007 -- Sixth International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders, Boston, MA. 27-30 August 2007

46. Griffith L, Shannon H, Wells R, **Cole DC**, Hogg-Johnson S. Individual participant data (IPD) meta-analysis of workplace mechanical exposures and low back pain. The 19th International Conference on Epidemiology in Occupational Health (EPICOH 2007), Banff, AB. 9-12 October 2007
47. Rivilis I, Amick BC, **Cole DC**, Clarke A, Scott L. Poster: Benchmarking Work Disability Management – Preliminary Results of Utility and Outcomes. The 19th International Conference on Epidemiology in Occupational Health (EPICOH 2007), Banff, AB. 9-12 October 2007
48. Bassil K, **Cole DC**. Association Between Temperature and 911 Calls for Heat-Related Illness: Potential for Syndromic Surveillance. Sixth Annual International Society for Disease Surveillance Conference, Indianapolis, IN. October 11-12, 2007
49. Bassil KL, **Cole DC**, Tomic K. The effectiveness of public health interventions to reduce morbidity and mortality during heat episodes. 18th International Congress on Biometeorology. Tokyo, Japan. September 2008
50. Bassil KL, **Cole DC**, Tomic KE. Public health interventions to reduce urban health inequalities during heat episodes. International Conference on Urban Health. Vancouver, BC. October 2008
51. Bassil KL, **Cole DC**, Pacheco E, Gozdyra P. A surveillance system to detect heat-related illness in a Canadian urban centre. International Conference on Urban Health. Vancouver, BC. October 2008
52. Cornelia Loechl, Abdelrahman Lubowa, **Cole DC**, Gordon Prain and Jan Low. Involving Schoolchildren in Orange-fleshed Sweetpotato Promotion – Achievements in Kampala. 15<sup>th</sup> Triennial Symposium of the International Society for Tropical Root Crops. Lima, Peru. 2-6 November 2009
53. Mbugua S, Yeudall F, Tuitoek PJ, **Cole DC**, Sellen D, Webb A, Karanja N, Prain G, Njenga M. Measuring The Level Of Household Food Insecurity Among The Urban Poor: The case of HIV/AIDS affected households in Nakuru Municipality, Kenya. Proceedings of the 8<sup>th</sup> International Conference on Urban Health, ICUH 2009, Nairobi, Kenya. 18-23 October 2009
54. Barry Pakes, **Donald Cole**, Kathryn Parker, Amaya Singh, Jennifer Christian, Judy Kopelow, Elayna Fremes. Global Health Education Institute: Evaluation in A Certificate Program for Post-Graduate Trainees. 2010 Conference of the Association for Medical Education in Europe (AMEE), Glasgow, Scotland. 6-8 September 2010
55. **Cole DC**, Orozco F, Wanigaratne S, Ibrahim S. Community, household and individual predictors of agricultural household health: a multi-level analysis. Abstract 0619, 3rd North American Congress of Epidemiology. Montreal, Quebec. 21-24 June 2011



56. Sanin LH, **Cole DC**, Harlow SD, Solomon KR, Chavez-Corral DR, Carrasquilla G. Regional rural differences in the epidemiological characteristics of the menstrual cycle (MC), according to agrochemical (AC) use, in a country of Latin America. International Society for Environmental Epidemiology. Barcelona, Spain. 13-16 September 2011
57. Hogg-Johnson S, Robson L, **Cole DC**, Tompa E, Subrata P, Smith P, Amick III BC, Mustard C. A Randomized Controlled Study of Targeted Occupational Health & Safety Consultation or Inspection in Ontario Workplaces. Honorable mention in the 2011 National Occupational Injury Research Symposium (NOIRS) Intervention Evaluation Contest. October, 2011.
58. Machira YW, Levin C, Kurji J, Ouedrago H, Kedera E, Loechl C, **Cole DC**, Low J. Operational research to inform the design of an integrated agriculture and health delivery strategy to improve pregnant women's health and maximise the nutritional benefits of orange fleshed sweet potato in Western Kenya. Kemri-CDC 2<sup>nd</sup> Nyanza Scientific Conference, Tom Mboya Labour College, Kisumu, Kenya. 19 January 2012
59. McKellar K, Cole DC, Pitzul K. A systematic scoping review of frameworks to evaluate communities of practice and knowledge networks. American Evaluation Association Conference 27<sup>th</sup> Annual Conference, Washington, DC, USA. Oct 16-19, 2013
60. Susitha Wanigaratne, Donald Cole, Kate Bassil, Ilene Hyman, Rahim Moinedin, Marcelo Urquia. The migration journey of refugee women to Ontario, Canada and preterm birth of offspring. 5<sup>th</sup> Annual European Migrant Health Conference Granada, Spain April 11, 2014
61. **Cole DC**. International Health, global health, and ecohealth research capacity strengthening – what role regions? Otago International Health Research Network 7<sup>th</sup> Annual Conference. Dunedin, New Zealand. 2014 November 12-13
62. Levin C, Grant F, Low J, Webb Girard A, Self J, Wanmala M, Hu J, Cole D. Designing, implementing and assessing the costs and benefits of an integrated agriculture and health project to improve nutrition outcomes: the evaluative process for the Mama SASHA project. Micronutrient Forum, Addis Abbaba, Ethiopia, 2014.
63. Archbold J, Mulligan K, Wegener J, Seccombe W, Cole DC. Farming in the city: how to collect, analyse and communicate ecosystem, social and human health impacts of urban agriculture? EcoHealth 2014. 5<sup>th</sup> Biennial Conference of the International Association for Ecology & Health. Montreal, Qc, Canada. Aug 11-15, 2014
64. **Cole DC**, Medel J. Resilience and Sustainability of Communities of Practice: What are we aiming for? How can we get there? How will we know we have 'arrived'? Workshop lead organizer. EcoHealth 2014. 5<sup>th</sup> Biennial Conference of the International Association for Ecology & Health. Montreal, Qc, Canada. Aug 11-15, 2014

65. Feagan M, McKellar K, **Cole DC**. Leveraging across the range: reflecting on ecohealth field-building for individuals, organizations and our networks moving forward. Workshop co-leader. EcoHealth 2014. 5<sup>th</sup> Biennial Conference of the International Association for Ecology & Health. Montreal, Qc, Canada. Aug 11-15, 2014
66. Imelda Bates, Nadia Fazal, Lot Nyirenda, **Donald C Cole**. Learning from a national initiative to develop health research capacity in Malawi. 3rd Global Symposium on Health Systems Research, Capetown, South Africa, 2014 Sept 30-Oct 3.
67. Self JL, Webb-Girard A, Grant F, Low J, Levin C, Cole DC. Infant nutritional outcomes in an integrated agriculture, health and nutrition program in western Kenya. Preliminary findings from the Mama SASHA cohort for vitamin A (COVA) study. Experimental Biology, Nutrition Section. March 2015.
68. Grant, F.K., Webb Girard, A., Okuku H.S., Levin, C., Cole, DC., Low, J. Evaluating the Effectiveness of a Nutrition-Sensitive Agriculture Intervention in Western Kenya: Design and Preliminary Findings of the Mama SASHA project. Federation of African Nutrition Societies (FANUS) scheduled for 25-29 May 2015 in Arusha, Tanzania
69. Julie L. Self, Amy Webb Girard, Deborah McFarland, Frederick K. Grant, Jan Low, Donald Cole, Carol Levin. Cost and cost-effectiveness of Mama SASHA project- an integrated health and agriculture project to maximize the nutrition outcomes among pregnant women and their children in Western Kenya. International Health Economics Association. July 2015
70. Alison Blay-Palmer, Charles Levkoe, Damien Conare, Molly Anderson, Guido Santini, Kent Mullinix, Sally Miller, Peter Andree, **Donald Cole**. Roundtable on Food METRICS (Measuring Transformation In City/Region Systems). Scarborough Fare 2016 (ASFS/AFHVS/CAFS Annual Meeting and Conference), University of Toronto Scarborough. 2016 June 22-25
71. **Cole DC**. Agricultural work, food systems, ecosystems and human health: what framings and methods can improve research impact? Scarborough Fare 2016 (ASFS/AFHVS/CAFS Annual Meeting and Conference), University of Toronto Scarborough. 2016 June 22-25
72. Weiler A, McLaughlin J, Cole DC. International Rural Sociology Assn Conference. Toronto, ON. 2016 August 10-12.
73. Sritharan, J.\*, Demers, PA., Harris, SA., Cole, DC., Cheryl E Peters., the Canadian Cancer Registries Epidemiology Group, & Villeneuve, PJ. (2016). Occupational risk factors for prostate cancer in a Canadian national level case-control study. 25th EPICOH: Epidemiology in Occupational Health Conference, Barcelona, Spain, September 4-7th, 2016.
74. Lau L, Lim K, Matous P, **Cole D**. Can social network analytics be integrated into the performance evaluation of development interventions? What Works Global Summit. London UK. 2016 Sept 26

75. Parnia A\*, Shakra Y, Donald C Cole. The Need for Anti-racist Frameworks in Community-Based Participatory Research (CBPR): Reflections from Environmental Public Health. Panel Chair. Decolonizing Conference, CIARS 2016. Nov 3-5. OISE at UofToronto.
76. Kaileah A. McKellar\*, Johanne Saint-Charles, Whitney Berta, Donald C. Cole, Rhonda Cockerill. Evaluating Communities of Practice. Case study with CoPEH-Canada. One Health EcoHealth Congress, Melbourne December 5, 2016 [with CoPEH-ON Travel fellowship \$2000]
77. FREDERICK GRANT, Rose Wanjala, Jan Low, Carol Levin, Donald Cole, Haile Selassie Okuku. Robert Ackatia-Armah. Effect of infection on nutritional status of infants in a cohort study of Vitamin A in western Kenya. IUNS - ICN 15-20 October 2017 BUENOS AIRES, ARGENTINA Number: 144/2611 Type: Abstract
78. Perumal N\*, Bassani DG, Cole DC, Zlotkin SZ, Barros AJ, Matijasevich A, Santos I, Barros FC, Roth D. "Effect of gestational age correction on association between length-for-age z-scores during infancy and cognitive development at 6 years of age". 10th World Congress on the Developmental Origins of Health and Disease (DOHaD), Rotterdam, Netherlands. October 15th-18th, 2017.
79. Paredes MP, Prado Y, Valero Y, and D Cole. 2018. Measuring responsible food consumption: an input to strengthen the "250.000 healthy families" campaign in Ecuador. Presentado en *Third International Conference Agriculture and Food in and Urbanizing Society*, Porto Alegre, Brasil. 17 al 21 de Septiembre de 2018
80. Bondy M, Cole DC. Meeting farmers where they are – perspectives of rural clinicians on farmers' mental health. WONCA & World Rural Health Conference, Albuquerque, New Mexico. 2019 Oct 15
81. **Cole DC**, Markowitz P, Needham L. Food Charters – critical food guidance tool in rural areas? Case of Bruce & Grey counties, southwestern Ontario. STTPA (Sustainability Transdisciplinary Theory Practice and Action) Conference, Mississauga, ON. 2019 Oct 17-19

**Submitted**

**Accepted**

## **2. SCIENTIFIC POSTERS**

**PEER-REVIEWED POSTERS:**

**Greater Toronto region**

1. LaBella D, Strong S, Reardon R, Shannon HS, Baptiste S, **Cole DC**, Clarke J, Gibson E, Sinclair S. Analysis of organizational and stressor profiles: Preliminary findings from a functional assessment study. McMaster University Student Research poster. July 2000
2. McDermott S, **Cole DC**, Krasevec J, Berti P, Ibrahim S. and collaborators. Relationships between nutritional status and neurobehavioural function: implications for assessing pesticide effects among farming families in Ecuador. Centre for International Health – First Annual Global Health Research Conference. Toronto, ON. 3-4 May 2002

### Provincial/Regional

1. Krepostman S, Bigelow PL, Ferrier S, Maracle S, McKean C, Van Eerd D, Subrata P, **Cole DC**, Franche RL, Kramer D, Wells R, Zohar D. Evaluation of Data and Information Exchange in a Health and Safety Association-initiated Collaborative Partnership to Implement Participatory Ergonomic Programs. Industrial Accident Prevention Association (IAPA) Conference. Toronto, ON, 16-18 April 2007
2. Dixon S, Theberge N, Wells R, **Cole DC**. “We didn’t have the right people involved”: Securing support for the implementation of participatory ergonomic interventions. Industrial Accident Prevention Association (IAPA) Conference. Toronto, ON, 16-18 April 2007
3. Sritharan, J., Demers, PA., Harris, SA., **Cole, DC.**, Kreiger, N., Sass-Kortsak, A., & Lightfoot, N. (2016). Employment in natural resource based industries and prostate cancer risk in Northeastern Ontario, Canada. Cancer Care Ontario Research Day, Toronto, Canada, April 18<sup>th</sup>, 2016.

### National

1. Lee H, Hogg-Johnson S, **Cole DC** and the Worksite Upper Extremity Research Group. 10 Year Trends in Musculoskeletal (MSK)-Related Drug Utilization Before and During a Collaborative Workplace Research Project. Canadian Society of Epidemiology and Biostatistics (CSEB) 2003 Biennial Meeting, Halifax, NS. 8-11 June 2003
2. Ibrahim S, **Cole DC**, Sanin LH, Wainman B. Environmental Contaminant Levels and Fecundability Among Non-smoking Couples in Hamilton Ontario. Canadian Society of Epidemiology and Biostatistics (CSEB) 2003 Biennial Meeting, Halifax NS. 8-11 June 2003
3. Pole JD, Mustard C, **Cole DC**. The Longitudinal Association of Asthma, Back Problems and Depression: Is there a common underlying mechanism? Canadian Society of Epidemiology and Biostatistics (CSEB) 2003 Biennial Meeting, Halifax, NS. 8-11 June 2003
4. **Cole DC**, Sinclair SJ, Frank JW et al. Evaluating community based clinics for treatment of soft tissue injuries in Ontario workers. CPHA Annual Scientific Conference. St. Johns, NF. July 1993

5. **Cole DC**, Julian JA, Carpio F, Leon N. Pesticide health impacts on Ecuadorian potato farms. Canadian Society for Epidemiology and Biostatistics. St. John's, NF. 16-19 Aug 1995
6. **Cole DC**, Kearney J, Gilman AP, Ryan JJ. Plasma PCB, Dioxin and Furan levels in Ontario Great Lakes anglers. Dioxin '95. Edmonton, AB. 21-25 Aug 1995 (Obtained first prize out of 300 poster applicants)
7. Kearney J, **Cole DC**, Dawson J, Khan H, Sheeshka J, Waugh A, Weber JP. Overview of the Great Lakes fish eaters' study. Great Lakes/St. Lawrence Health Conference 97. Montreal, PQ. 12-15 May 1997
8. Wang H, Hogg-Johnson S, **Cole DC**, Corey P. A six year follow up record linkage study of recurrences of compensable soft-tissue injuries. Canadian Society of Epidemiology and Biostatistics. London, ON. 25-28 May 1997
9. **Cole DC**, Kerr MS, Brawley LR, Ferrier S, Frazer MB, Hogg-Johnson S, Kerton R, Neumann WP, Norman RW, Polanyi MF, Shannon HS, Smith JM, Wells RP. Workplace interventions for health: Dilemmas & challenges. ASAC-IFSAM 2000 (Administrative Sciences Association of Canada), (International Federation of Scholarly Associations of Management). Montreal, PQ, 9-11 July 2000
10. Bienefeld M, **Cole DC**, Marrett L, McLaughlin J. Use of a non-response form in a mail-based epidemiologic survey. Congress of Epidemiology-Canadian Society of Epidemiology and Biostatistics (CSEB) Toronto, Canada, June 2000
11. Frazer MB, Wells RP, Norman RW, Theberge N, **Cole DC**, Kerr MS, Laing AC, Brawley LR, Kerton R. Assessment of the effectiveness of evidence-based ergonomic decisions in workplaces for prevention of work-related musculoskeletal disorders (WMSD). 1st National Symposium: Canadian Association for Research on Work and Health (CARWH). Toronto, ON. 18 Nov 2001
12. **Cole DC**, Beaton DE, Ferrier SE, Hepburn G, Hogg-Johnson S, Kerr MS, Kramer D, Polanyi MF, Robson LS, Shannon HS, Swift M, Wells RP, Frazer M, Norman R, Theberge N, Moore A. Workplace interventions to reduce the burden of work-related morbidity: A program of research on evaluating implementation and effectiveness. 1st National Symposium: Canadian Association for Research on Work and Health (CARWH). Toronto, ON. 18 Nov 2001
13. Mustard CA, **Cole DC**, Shannon HS, Pole J, Sullivan TJ, Allingham R, Sinclair S. Does the decline in workers' compensation claims 1990-2000 in Ontario correspond to a decline in the incidence of workplace injuries? 1st National Symposium: Canadian Association for Research on Work and Health (CARWH). Toronto, ON. 18 Nov 2001
14. Laing AC, Frazer MB, Wells RP, Norman RW, Theberge N, **Cole DC**, Kerr MS, Brawley LR. Evidence Based Ergonomics Decisions – Effects of Knowledge Transfer on Corporate Redesign Strategies. HEALNet Researchers Invitational Workshop. Ottawa, ON. 23 Nov 2001.

15. Dufton J, Koehoorn M, **Cole DC**, Hertzman C, Ibrahim S, Ostry A. Investigating Trends in Mental Disorders among a Cohort of Health Care Workers in British Columbia. Second National Symposium of the Canadian Association of Research in Work & Health Symposium (CARWH), University of Sherbrooke, Montreal, QC. 25-26 October 2003
16. Reid MJ, Frazer M, **Cole DC**, Wells R. A case study on the impact of reducing belt speed on the warehouse of a company in the transportation sector. Association of Canadian Ergonomists. Windsor ON. October 2003
17. Rivilis I, **Cole DC**, Hogg-Johnson S, Clarke A, Scott L. Work disability management benchmarking collaborative – Development of standardized metrics. Canadian Association for Research on Work Meetings and Health (CARWH) International Conference. St. John's NL. 7-10 June 2006.
18. Rivilis I, **Cole DC**, Scott L. Characterizing patterns due to mental health absences among workers on short-term disability. Canadian Congress on Research on Mental Health and Addiction in the Workplace, Vancouver, BC. May 2007
19. Langlois LE, Shannon HS, Griffith LE, Walter SD, **Cole DC**, Hogg-Johnson S, Wells RP. Quality Assessment of Observational Studies of Low Back Pain Among Workers. Canadian Association for Research on Work and Health (CARWH). Montreal, QC. 15-17 June 2008
20. Perumal N, **Cole DC**, Ouedraogo HZ, Low J, Loechl C, Levin C, Sindi K, Grant F, Kiria C, Kurji J, Oyunga M. Income generating activities and socioeconomic status are associated with health and nutrition knowledge, attitudes and practice of pregnant women in Western Kenya. Canadian Conference on Global Health, Ottawa, ON 21-23 October 2012
21. Rilkoff H, Muheki Tukahebwa E, Fleming FM, Leslie J, **Cole DC**. Exploring Gender Dimensions of Treatment Programs for Neglected Tropical Diseases in Uganda. Canadian Conference on Global Health, Ottawa, ON. 21-23 October 2012
22. Cho DB, **Cole DC**, Simiyu K, Luong W, Neufeld V. Mentoring, training and support to global health innovators: a scoping review. Canadian Conference on Global Health, Ottawa, ON. 27-29 October 2013
23. Williams-Brennan L, Gastaldo D, **Cole DC**, Paszat L. Social determinants of health associated with cervical cancer screening among women living in developing countries: a scoping review. Canadian Conference on Global Health, Ottawa, ON. 27-29 October 2013
24. Parnia A, Chakravartty D, C.L.S.Wiseman, J. Archbold, R. Copes<sup>1</sup>, N. Zawar , Chen S, **Cole DC**. Newcomer Women In The Greater Toronto Area – the case of trans-national metal exposures in a global environment. Canadian Conference on Global Health, Montreal, QC, 2015 November 5-7<sup>th</sup>.

25. Parnia A\*, Chakravartty D\*, C.L.S.Wiseman, J. Archbold, R. Copes<sup>1</sup>, **Cole DC**. Lead In Newcomer Women from South and East Asia in Greater Toronto Area. Canadian Public Health Association Annual Scientific Conference. Toronto, ON, 2016 Jun 13-16
26. Mehrani M, Sanborn M, Grierson L, Upshur R, Cole D, Vakil C, Marshall L, Scott F, Griffith L. Environmental health attitudes, knowledge and learning needs of Family Medicine Residents: a multi-program survey. Family Medicine Forum, Vancouver, British Columbia. 2016 November 9-12
27. MacDonald, A., Parkes, M., Cole, D., & Kutzner, D. Lessons from a Research and Learning Community: Analysis of the ECHO Network Orientation and Exit Processes. Poster presentation at the 2019 UNBC Research Week, 2019 April 2 Prince George, British Columbia.

### Accepted

### Submitted

### International

1. **Cole DC**, Sinclair SJ, Frank JW, Hogg-Johnson et al. Evaluating a community based rehabilitation system for treatment of occupational soft tissue injuries. APHA 121st Annual Meeting. San Francisco, California. Oct 1993
2. Blakey DH, Bayley JM, Huang KC, Kearney J, **Cole DC**. Frequency of structural chromosomal aberrations measured using conventional Giemsa staining and three-colour chromosome painting in a population of Great Lakes fish eaters. Environmental Mutagens in Human Populations. Prague, Czech Republic. 19-25 Aug 1995
3. **Cole DC**, Julian J, Carpio F, Leon N. Agricultural pesticide exposure and peripheral neurologic outcomes: a cross-sectional survey. 8th Annual Conference of the International Society for Environmental Epidemiology. Edmonton, AB. 17-21 Aug 1996
4. The Upper Extremity Collaborative Group (includes **Cole DC**). Development of an upper extremity outcome measure: the "DASH" (Disabilities of the Arm, Shoulder and Hand). American College of Rheumatology 60th National Scientific Meeting. Orlando, Florida. 18-22 Oct 1996
5. **Cole DC**, Ibrahim SA, Shannon HS, Scott F, Eyles J, Goel V (1998a). Job demand/control, work factors and depressive episodes among Canadian workers: a gender analysis of the 1994 National Population Health Survey (NPHS). 1st International ICOH Conference on Psychosocial Factors at Work. Copenhagen, Denmark. 24-26 Aug 1998

6. Ibrahim SA, **Cole DC**, Shannon HS, Scott F, Eyles J, Goel V. Job strain, activity restriction and musculoskeletal disorders among Canadian workers: an analysis, by gender of the 1994 National Population Health Survey. PREMUS-ISEOH '98. Helsinki, Finland. 21-25 Sept 1998
7. **Cole DC**, Ibrahim SA, Shannon HS, Scott F, Eyles J, Goel V. Job strain, job satisfaction and emotional distress among Canadian workers: a general analysis of the 1994 National Population Health Survey. PREMUS-ISEOH '98. Helsinki, Finland. 21-25 Sept 1998
8. **Cole DC**, Ibrahim SA, Shannon HS, Scott F, Goel V. Determinants of psychological well-being in the Canadian working population: a structural equation modelling approach. Work, Stress and Health '99: Organization of Work in a Global Economy. American Psychological Association/NIOSH. Baltimore, Maryland. 11-13 Mar 1999
9. **Cole DC**, Polanyi M, Wells RP. Workplace Interventions: program implementation or policy change? 4th International Scientific Conference on Prevention of Work-related Musculoskeletal Disorders: PREMUS '01. Amsterdam, The Netherlands. 30 Sept - 4 Oct 2001
10. Koehoorn M, **Cole DC**, Hertzman C, Lee H. How much or when? Work exposures and the risk of musculoskeletal injury among health care workers. International Society of Exposure Analysis (ISEA): Linking Exposures and Health. Vancouver, BC. 11-15 August 2002
11. Koehoorn M, Mozel M, **Cole DC**, Hertzman C, Ostry A, Ibrahim S. The health of health care workers: a profile of extended health benefits utilization. International Congress on Epidemiology in Occupational Health, Barcelona, Spain. 11-13 September 2002
12. **Cole DC** and multiple collaborators. Investigating human health risks and benefits of agriculture in Kampala. International Forum on Ecosystem Approaches to Human Health. Montreal, QC. May 2003
13. Moore A, Wells R, Van Eerd D, Banina M, **Cole DC**, Hogg-Johnson S. Separation and Summation of EMG Recordings by Task Using Video Records. International Society of BioMechanics Waterloo, ON. July 2003
14. Yanggen D, Antle J, Orozco F, Crissman C, **Cole DC**. Economic Analysis and the Ecosystem Approach to Human Health: The Case of Pesticide Use in Potato Production Systems in Carchi, Ecuador. Ecological Economics Conference. Montreal, Canada. July 2004
15. **Cole DC**, Van Eerd D. Responding to work-related musculoskeletal disorders (WMSD) in Canada. Program in Occupational Health and Environmental Medicine. PREMUS 2004 – Fifth International Scientific Conference on Prevention of Work-related Musculoskeletal Disorders. Zurich, Switzerland. July 2004



16. **Cole DC**, Koehoorn M, Ibrahim S, Hertzman C, Ostry A, Xu F, Holmes P. Factors associated with musculoskeletal outcomes among health care workers – a multilevel analysis. *Epidemiology without Borders*. SER-CSEB Joint Meeting. Toronto ON. 27-30 June 2005
17. Rivilis I, **Cole DC**, Frazer M, Kerr M, Ibrahim S, Wells R. Quasi-experimental evaluation of a workplace ergonomic intervention. *Epidemiology without Borders*. SER-CSEB Joint Meeting. Toronto ON, 27-30 June 2005
18. Rivilis I, Amick BC, **Cole DC**, Clarke A, Scott L. "Benchmarking Work Disability Management – Preliminary Results of Utility and Outcomes". Abstract accepted for Poster presentation at the EPICOH 19th International Conference on Epidemiology in Occupational Health in Banff, AB. 9-12 October 2007
19. Andersen N, Mbugua S, Sellen D, **Cole DC**, Karanja N, Yeudall F, Prain G, Njenga M. Application of the Sustainable Livelihoods Framework to Assess Households Affected by HIV/AIDS in Nakuru, Kenya. International AIDS Congress, Mexico City. 2-9 August 2-9 2008
20. Mbugua S, Andersen N, Tuitoek P, Yeudall F, Sellen D, Karanja N, **Cole DC**, Njenga M, Prain G, SEHTUA Partnership. Assessment Of Food And Nutrition Status Among Households Affected By Hiv/Aids In Nakuru Municipality, Kenya. International AIDS Congress, Mexico City. 2-9 August 2008
21. Pacheco R, Underhill B, Pradel W, **Cole DC**, Prain G, Cañedo V, Alfaro A. Horticulture and Vulnerability in the Huancayo Metropolitan Region, Peru. International Forum ECOHEALTH 2008, Merida, Mexico, 1-5 December 2008
22. Rachlis B, Orbinski J, Cheng A, Burcuil B, Sodhi S, **Cole DC**. Community-based care programs focused on HIV/AIDS prevention, treatment, and care in the developing world: What is known, what is needed? Global and Health Development Conference, Yale, USA. April 2009
23. Mbugua S, Andersen NA, **Cole DC**, Webb AL, Sellen D, Njenga M, Prain G, Karanja N, Tuitoek PJ, Yeudall F. Food and Nutrition Security of HIV-Affected Households in Nakuru, Kenya. 19<sup>th</sup> International Conference on Nutrition, Bangkok, Thailand. 5-9 October 2009
24. Webb AL, Mbugua S, Anderson N, Levy J, Njenga M, Karanja N, **Cole DC**, Gore C, Jundi N, Yeudall F, Sellen D, Prain G. Determinants of Participation in an Urban Agricultural Intervention Designed to Improve Food Security and Livelihoods in HIV-Affected Households in Nakuru Kenya. 19<sup>th</sup> International Conference on Nutrition. Bangkok, Thailand. 5-9 October 2009
25. Loechl C, Lubowa A, Low J, **Cole DC**, Prain G. Impacts of School-Based Promotion on Urban Household Orange-Fleshed Sweetpotato (OFSP) Production and Consumption. 19<sup>th</sup> International Conference on Nutrition, Bangkok, Thailand. 5-9 October 2009
26. Lee-Smith D, **Cole DC**, Nasinyama G. Healthy City Harvests: Generating Evidence to Guide Policy on Urban Agriculture. Proceedings of the 8<sup>th</sup> International Conference on Urban Health, ICUH 2009, Nairobi, Kenya. 18-23 October 2009

27. Kakuma R, **Cole DC**, Bates I, Ezech A, Fonn S, Thorogood M, Byrne N, Neufeld V. Evaluating Capacity Development in Global Health Research – Where is the evidence? First Global Symposium on Health Systems Research (HSR), Montreux, Switzerland, 16–19 November 2010
28. **Cole DC**, Bondy SJ, Bell JM, Smith BT, Pinhas L, Martiniuk A. Building an evaluation framework for a graduate epidemiology program – starting with competencies. Abstract 0147—3rd North American Congress of Epidemiology. Montreal, Canada—June 21-24, 2011.
29. Norom O, **Cole DC**. Environmental racism research in Canada. Abstract 1045-S—3rd North American Congress of Epidemiology. Montreal, Canada—June 21-24, 2011
30. Van Eerd D, Irvin E, **Cole D**, Keown K, Kramer D, Brenneman Gibson J, Kohn MK, Mahood Q, Slack T, Amick III B, Phipps D, Garcia J, Morassaei S. A systematic review of the quality and types of instruments used to assess KTE implementation and impact. 19th Cochrane Colloquium, Madrid, Spain. 19-22 October 2011
31. **Cole DC**, Kabiru C, Thorogood M, Taleski-Steele S, Kahn K, Izugbara C, Fonn S, Manderson L, Omigbodun A. Consortium for Advanced Research Training in Africa(CARTA) training for Sub-Saharan African doctoral fellows – first Joint Advanced Seminar (JAS). Global Health Conference (CSIH-CUGH-GHEC), Montreal, QC. 13-15 November 2011
32. **Cole DC**, Bates I, Aslanyan G, Kakuma R, Sejrani-M, Boyd A, Mahood Q. Searching for Evidence on Effectiveness of Health Research Capacity Development (HRCD) initiatives with Low and Middle Income Countries (LMICs). Global Health Conference (CSIH-CUGH-GHEC), Montreal, QC. 13-15 November 2011
33. Paiz-Godoy P, **Cole DC**, Lenters L, Kakuma R, Cole NEP, Noisel N. Canadian Coalition for Global Health Research Summer Institute Follow-Up Study: What impacts can short term, intensive training have on participants? Global Health Conference (CSIH-CUGH-GHEC), Montreal, Quebec, 13-15 November 2011
34. Pinto AD, **Cole DC**, ter Kuile A, Forman L, Rouleau K, Philpott J, Pakes B, Jackson S. Mapping global health at an academic centre: the case of the University of Toronto. Global Health Conference (CSIH-CUGH-GHEC), Montreal, QC. 13-15 November 2011
35. Rachlis B, van Lettow M, Ahmad F, Muula A, Semba M, Mhango P, **Cole DC**. Using concept mapping to explore why patients on anti-retroviral therapy (ART) default and get lost to follow-up in Zomba district. Malawi. Global Health Conference (CSIH-CUGH-GHEC), Montreal, QC.13-15 November 2011
36. Fazal N, **Cole DC**, Fremes E, Blackwell-Hardie V, Richardson E, Steele S, Martiniuk A, Puchalski-Ritchie L, Cleaver S, Stevens M, Calvasina P. (April 26, 2012) Using Innovative Communications Technology as a Platform for the Ongoing Development and Strengthening of a Global Public Health Research Community, 13th World Congress on Public Health in Addis Ababa, Ethiopia. 23-27 April 2012

37. Machira Y, Levn C, Grant F, Kedera E, Wamalwa M, Bingham A, **Cole DC**, Low J. Feasibility And Acceptability Of Integrating Vitamin A Rich Orange Fleshed Sweet Potato Into Antenatal Care Services In Western Kenya Po803, International Union Of Nutritional Sciences – International Congress Of Nutrition, Granada Spain 15-20 September 2013
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98. EDGE (2018) *Ecological Determinants of Health in Public Health Education in Canada: Preliminary Scoping of Needs, Challenges and Assets*. Parkes M.W., Poland, B., Allison S, **Cole, D.**, Culbert I., de Leeuw S., Hancock T., Howard C., Koropeski, J., La Prairie, A., Greenwood, M., Papadopoulos, A., Naeem, A., Waheed F. Available online at <https://www.cpha.ca/EDGE>
99. Cole DC. Identifying the gaps: Reflecting on a career pursuing understanding and equity in academia. *Academic Matters – OCUFA's Journal of Higher Education* Fall 2019. Accessible at <https://academicmatters.ca/reflecting-on-a-career-pursuing-understanding-and-equity-in-academia/>

100. Anelyse Weiler, Janet McLaughlin, Susana Caxaj and Donald Cole. Protecting the health and rights of migrant agricultural workers during the COVID-19 outbreak should be a priority. Policy Note, 2020 Apr 1, <https://www.policynote.ca/migrant-workers/>
101. Cole DC. *Heightened COVID-19 Risks to Temporary Foreign (Migrant) Agricultural Workers (TFAWs) And Recommended Actions in the 2020 Agricultural Season. Occupational Medicine perspective.* Research report for Occupational Health Clinic for Ontario Workers. 2020 June 4. Accessible at [https://www.ohcow.on.ca/edit/files/news/covid19/dcc\\_occ\\_med\\_opinion\\_jun2020\\_final.pdf](https://www.ohcow.on.ca/edit/files/news/covid19/dcc_occ_med_opinion_jun2020_final.pdf)

#### **4. KNOWLEDGE TRANSLATION/DISSEMINATION ACTIVITIES**

##### **PRESENTATIONS:**

##### **Golden Horseshoe**

Measuring pesticide health impacts in rural Ecuador. Clinical Epidemiology and Biostatistics Rounds. McMaster Health Sciences Centre, Hamilton, ON. 13 Jun 1996.

**Cole DC**, Ibrahim S, Shannon HS. Work, stress and mental health. Presentation to Department of Public Health Sciences, University of Toronto. 14 Oct 1999.

**Cole DC**, Kerr MS, Brawley LR, Ferrier S, Frazer MB, Hogg-Johnson S, Kerton R, Neumann WP, Norman RW, Polanyi MF, Shannon HS, Smith JM, Wells RP. Workplace interventions for health: dilemmas & challenges. Centre for Health Promotion Seminar Series, University of Toronto. Toronto, ON. Jun 2000.

**Cole DC**. Food security and sustainability in an international context. UNDP University of Toronto Chapter's Crisis Prevention and Recovery Conference. Toronto, ON. 2013 Jan 30.

**Cole DC**. Agriculture, food systems, ecosystems, food security-sovereignty & human health. STAANCE Workshop "Of Fare and Form: Food Security, Sovereignty, and Health" Toronto, ON, 2016 March 4<sup>th</sup>

**Round table convener**, Juxtaposition winter launch on Global Ecological Public Health issues, University of Toronto. 2017 Mar 3

##### **Provincial/Regional**

Health impacts of environmental contaminants in the Great Lakes. Credit Valley Hospital Family Practice Rounds. Sept 1992.

Health concerns and drinking water quality. Public Liaison Committee for the Georgetown Water Supply. 8 Jun 1994.

Pre-pregnancy environmental health concerns. St. Lawrence Forum on Making Healthier Babies: What You Can Do Before You Get Pregnant. 12 Apr 1995.

Human health in ecosystems - lead presentation of session and facilitator for breakout group on sport fish and wildlife consumption study. BARC's (Bay Area Restoration Council) 4th Annual Fall Workshop: Healthy Harbour-Healthy People. 25 Nov 1995.

Women's health and environment. Hamilton-Burlington Junior League. Feb 1996.

Health based indicators of air quality. Co-facilitator: London Environmental Network Grosvenor Lodge. 22 Feb 1996.

Health based indicators of air quality. Co-facilitator: Norfolk Round Table on Environment and Economy. 7 Mar 1996.

**Cole DC**, Voorberg N. Air pollution and smoking survey of elementary school students. Region of Hamilton-Wentworth Health and Social Services Committee. 11 May 1996.

Pesticide exposure and potential health effects: certain and uncertain science and its implications for children's health. Metro Hall, 28 Oct 1996.

Environmental influences on pre-conceptional health. Facilitator: Haldimand-Norfolk Regional Health Department Conference on Pre-conceptional Health: more than a healthy lifestyle. Mississauga, ON. 8-9 May 1997.

Hogg-Johnson S, **Cole DC**. Managing in the grey zone: the natural history of recovery and its effect on treatment approaches for soft tissue injuries. Grand Rounds presentation to Workplace Safety & Insurance Board Toronto, ON. 5 Jan 1999.

**Cole DC**, Schofield M. The causes, assessment, diagnosis and management of upper extremity disabilities. Grand Rounds presentation to Workplace Safety & Insurance Board. Toronto, ON. 9 Feb 1999.

**Cole DC**. Definition & causation of RSI/WMSD's. RSI Action Planning Forum. Toronto, ON. 16-17 Feb 1999.

**Cole DC**. Keyboarding and epicondylitis. Presentation to the WSIB CME/Journal Club. Toronto, ON. 23 Nov 1999.

**Cole DC**, Mustard CA. Prevention in the workplace over the past decade: has it made a difference? IWH Research Advisory Council. Toronto, ON. 25-26 Apr 2000.

**Cole DC**. Pesticides. Navigating Change: environmental and health peer presenter program Phase I. The Ontario College of Family Physicians, Toronto, ON. 9-11 June 2000.

**Cole DC**, Wainman B. Environmental contaminants and time to pregnancy - The St. Joseph's Hospital Experience, McMaster University, McMaster Institute of Environment and Health, Hamilton, ON. 28 Sept 2000

**Cole DC**. Update on RSI at the Toronto Star. Presentation to Management Team and Union Executive. 13 November 2002.

**Cole DC.** Evaluating your interventions. Health and Safety Association workshop on Research Transfer and Knowledge Exchange. Toronto, ON. March 2003

**Cole DC.** Workplace Interventions for work related musculoskeletal disorders (MSDs). OHA Health Achieve. 6 November 2006.

**Cole DC.** Psychosocial Factors: Hidden causes of sprains & strains. Pulp and Paper Health & Safety Association Annual Conference. 5 May 2004.

Hennebry J, McLaughlin J, **Cole DC** for the Migrant Worker Health project. The Migrant Worker Health Journey: Stages, Issues and Strategies for Change. Ontario Workplace Safety and Insurance Board division managers. Toronto, ON. 23 August 2013. See <http://imrc.ca/wp-content/uploads/2013/10/IMRC-Policy-Points-VI.pdf>

**Cole DC.** Farmers' health and well-being. Hanover Family Health Team Continuing Education halfday. 2018 Nov 26. Hanover, ON

**Cole DC.** Occupational histories in primary care. Peterborough Family Health Team – Grand Rounds. 2019 Jan 11. Peterborough, ON

**Cole DC.** Farmers' health and well-being. Bruce & Grey Community Drug & Alcohol Strategy Leadership Group. 2019 Jan 16. Owen Sound, ON

**Cole DC.** Farmers' health and well-being. Bruce Grey Child & Family Services. 2019 Feb 4 Owen Sound, ON and Bruce-Grey Healthy Communities Partnership. 2019 Sept 27

## National

Health effects of indoor air. Bipartite Federal Building Safety Committee. Jan 1992.

**Cole DC.** Fish and wildlife consumption and reproduction. Facilitator: Reproductive Health and the Environment Symposium. Toronto, ON. 13 May 1996.

**Cole DC.** Work-related disease and illness. Communication, Energy and Paper Workers Union Conference. 3 Oct 1999.

**Cole DC.** Research on workplace reproductive hazards for women and men. At: "Reclaiming our Birthright" Reproductive Health Conference. Toronto, ON. 3-6 Oct 1999.

## International

**Cole DC,** Kapinga R, Espinosa N, Zhang D, Ilangantileke S. Challenge Essay #3. CIP Response to Millenium Development Goal to Reduce Child and Maternal Mortality. <http://venus:81/cipweb/projects/cipvision.htm>, May 2003

**Cole DC.** Pesticide poisoning diagnosis, management and surveillance. Carchi, Ecuador Ministry of Health workshop. 25 August 2004



**Cole DC.** Participation in expert panel on Hazard Assessment in Ergonomics, CRE-PREMUS. June 2006.

**Cole DC.** Pesticides, horticulture and human health: challenges and responses. Municipality of Pillaro, Ecuador, October, 2007 and Region of Junin, Peru, March 2008.

**Cole DC.** Healthy City Harvests: Generating Evidence to Inform Policy. Sustainable Neighbourhoods Forum, Kampala, Uganda and Nairobi and Environs Food Security, Agriculture and Livestock Committee, both in November 2008

Grant F, **Cole DC**, Levin C\*, Loechl C, Low J, Ouedraogo H, Webb-Girard A. Case Study from Western Kenya: The Mama SASHA proof-of-concept project: Integrating health and agriculture to maximize the nutritional impact of orange-fleshed sweetpotato. Society for Clinical Nutrition News 40.

## INTERVIEWS FOR MEDIA

### Print

#### Greater Toronto Area

Potatoes, pesticides and health. Toronto Star, 2008.

#### Provincial/Regional

Globe & Mail and Toronto Star on Community Health Centres three times over 1980's

Globe & Mail re: "Repetitive Strain Injuries" 1992 and multiple additional ones on this theme

Hamilton Spectator re: 7th Biennial International Joint Commission report 1994, "Contaminants and Reproduction" 1995 x 2 and multiple additional ones on this theme.

Recovery Expectations in July 2001 and March 2002

**Cole DC**, Shannon H. A pain in the wrist: women suffer from repetitive strain injury. August 22, 2005; The Metro daily newspaper.

Weiler A, McLaughlin J, Cole D. Helping migrant workers must be part of new food policy. The Toronto Star. 2017 Dec 22

<https://www.thestar.com/opinion/contributors/2017/12/22/helping-migrant-workers-must-part-of-new-food-strategy.html>

#### National

**Cole DC**, Shannon H. RSI may be predictable. August 2005; Canadian Occupational Safety E-Letter: Vol.2, No. 7.

**Cole DC.** MDs have role to play in helping injured patients return to work. March 13, 2007; The Medical Post. Vol. 43(9), pg 14.

## Radio & TV

### Greater Toronto Area

Canada AM re: "Repetitive Strain Injuries" 1992.

McLean Hunter Cable 10 re: "Health and Safety in the Home Workplace" 1993.

Sarnia Radio re: "Sport Fish and Wildlife Consumption Survey" 1997.

Women's TV Network (WTN) and City TV, Toronto, re: Repetitive Strain Injury (RSI) 1998.

Multiple on 'RSI' for the Institute for Work & Health through media releases

### Provincial

TV Ontario re: Health Effects of Environmental Contaminants "Great Lakes Alive" 1994.

Migrant Farmworker Housing and Health under COVID-19. TV Ontario

### National

CBC Radio re: "Fish and Wildlife Nutrition Project" 1996.

International Congress on Work & Health for CBC Radio affiliates, June 1999.

Recovery Expectations Interviews with multiple media representatives, July 2001

Multiple on Pesticides and Health nationally during Ecosystem Health lecture tour, February 2002

CTV Canada AM & others re: Pesticides and Human Health Effects, April 2004.

### International

Usually my collaborators in Lower and Middle Income Countries do the interviews, though I have appeared on local radio.

Benefits of better expectations (Cole et al CMAJ 2002) has been cited widely e.g. [http://www.wnd.com/2013/08/chuck-norris-helps-kids-kick-cancer/?cat\\_orig=diversions](http://www.wnd.com/2013/08/chuck-norris-helps-kids-kick-cancer/?cat_orig=diversions)

Interview with Swedish TV re recovery expectations, Channel 4 April 2014

**Cole DC.** La posibilidades de cambiar el perfil de obesidad. Minga Pachama radio, Otovalo, Ecuador. February 2016.

### Web-based

Global Health Education. Donald Cole on How the Environment Affects Human Health. <http://www.gheducation.ca/2011/06/donald-cole-on-how-the-environment-affects-human-health/>

Andean Indigenous-Mestizo Peoples, Agro-Ecosystems & Human Health: Horticulture in Peru's Montaro valley. Indigenous Global Health Research Symposium, University of Victoria.

<http://cahr.uvic.ca/docs/Donald-Cole-Agro-Eco-HH-Andean-Indigenous-Mestizo-peoples-DCC-1.pdf>

Canadian Coalition for Global Health Research's Mentorship Working Group (Led by **Cole DC**) 2013. *Stories of Mentorship. A collection*. At: <http://www.ccghr.ca/introducing-ccghrs-stories-mentorship/>

## PART H – TEACHING AND DESIGN (highly selected)

### 1. TEACHING STATEMENT

#### Development of My Teaching Philosophy

Perhaps because my mother was an adult educator in the community college system, I was drawn to sharing my academic learning with others. While in medical school, I worked with several others to develop and teach occupational health and safety courses for trade unionists. While teaching, our group and later worker-instructors modelled teaching methods that *promoted learners taking an active role in the educational process*: sharing their experiences and understanding of workplaces; questioning instructors and other learners; and formulating approaches to different problems.

Dr. Niall Byrne of the Division of Studies in Medical Education, Faculty of Medicine at U of T served as a mentor to me. He helped me transition these approaches to graduate training in the Community Health Division Core III course on "Issues in Community Health". These helped me lead *popular education* workshop design, educational material development and program implementation as an *internacionalista* in Nicaragua during the heady days of social transformation in that country during the 1980's (see also my CPA statement). During my residency at McMaster, with its emphasis on *problem-based learning*, I read Malcolm Knowles on the practice of adult education, and attended a workshop on Tutorial Skills for Small Group Learning Workshop in order to improve my facilitation skills. With these experiences, I have developed an *adult learning* philosophy that guides my contributions.

#### Course Participation

As can be seen in the Courses Taught section below, I have taught a wide variety of subjects across the spectrum from undergraduate lectures to doctoral seminars (see Data Summary Table 7 on Teaching). In the winter of 2003, I hosted a colleague doing his Masters in Higher Education during my Epidemiological Methods II tutorials. His reflective observation and our discussions spurred me to read books and articles on the teaching of epidemiology and then, with a doctoral student and the Program Director, revisions to epidemiology courses. In courses, I do my best to *draw out students' own experiences* to reflect upon, as a way of understanding the meaning of different

concepts. I introduce new material in light of their existing understanding, to move them incrementally towards more organized or refined knowledge of a topic. I articulated this approach, with colleagues from across Canada, as a spiral of learning in a chapter on teaching global health ethics (Chapter #34, Part E). In large groups, I pose questions and engage students in dialogue, as exemplified by my lecture on global health in the Introduction to Public Health Sciences (see Dossier, Teaching & Education #1). In small groups with multiple sessions, I can do this more interactively over time with the participants, e.g. with a mix of residents in the GHEI Environmental Health Module and graduate students in the Environmental Epidemiology course (Dossier, Teaching & Education #2). The latter exemplifies my attention to explicit learning objectives to orient myself, guest instructors and the students.

### **Materials Development**

For the Community Medicine Residency Program at McMaster, I worked with a resident and colleague on the development of a guide to environmental health issues, skills and resources, drawing on experience with the Great Lakes Scholars Program (Orris, Cole et al Education Funding). The guide was used by residents to build their knowledge and skills in fulfilling Royal College objectives, both at McMaster and Toronto, in *diverse ways* e.g., self-study with a mentor, outline for set of rounds, or a guide to an environmental health placement.

In 1995-1996, I worked with a group of university and Teaching Health Unit colleagues to identify a gap in both students' and practitioners' skills in community health assessments. We obtained funding (Valaitis, Cole et al Education funding) to develop a computer-assisted instruction program as a *flexible learning tool* to be used individually or in small groups in undergraduate, graduate and continuing education. I took responsibility for the environmental health component. The process of conceptualizing how learners might navigate through a complex linked programme was a big challenge involving many hours of discussion but was successful in producing a CD-ROM which was marketed by the Canadian Public Health Association for over a decade.

I co-developed modules in workplace visits and ethics for the *transdisciplinary* Work Disability Prevention research training program (Loisel et al in Education Funding, and peer-reviewed paper #77). I invited an ergonomist-engineer colleague to jointly develop a module on workplace factors relevant to work disability prevention for doctoral students and post-doctoral fellows from across Canada and Europe. The module included an introduction, orientation to workplace visits, workplace interviews and observations, and then classroom discussion. The rich diversity of training and professional backgrounds of students, coupled with the complexity of workplace relationships and conditions, made for fascinating debates which I moderated during the discussion of their module tasks.

### **Curriculum Design**

While a research fellow at McMaster, I worked with colleagues on a *full new continuing education Diploma* in Environmental Health. I was the health practitioner-scientist working with two medical geography colleagues. I wrote the teaching philosophy section, contributed to the overall design of the curriculum, and designed about one

third of the twelve modules. Subsequently, we received funding to adapt the course to distance education (Elliot et al in Education Funding).

I led the development of our ground-breaking U of T Collaborative PhD Program in Global Health (<http://www.dlsph.utoronto.ca/degree-information/collaborative-doctoral-program-global-health>) in conjunction with DLSPH social science colleagues and members of cognate departments and clinical faculty across the university (see Dossier, Teaching & Education #4). This was the first such program globally as best we could tell through web searches and discussions with colleagues. I led its core doctoral seminar for three academic years, building upon my adult learning teaching philosophy to foster a climate of challenging discussion and supportive collaboration among students (Peer-reviewed presentation, national #50 at Consortium of Universities for Global Health conference). This core doctoral seminar has been a key form of support to doctoral students, receiving ratings on items ranging from 4.1-5.0/5 (2010-2012). Along with my mentoring role as Program Director, was the primary basis for my being awarded the Robin Badgley Award for Teaching Excellence (Awards Part B.3; Dossier, Teaching & Education #5).

I have gradually grown education on ecosystem approaches to human health (ecohealth), initially with participation in CoPEH-Canada short-courses (peer reviewed paper #209), and then co-development of courses at UofT – both graduate in 2016-2017 and undergraduate in 2017. I led the conversion of this course to a cross-listed (graduate and undergraduate) course in Ecological Public Health in 2017.

### **Supervision**

One of the most rewarding applications of an “adult learning” philosophy is during supervisions of trainees, from undergraduates to post-doctoral fellows (see section below for past supervision and Annual Activity Reports for current roster).

The trainees explore a wide range of environment and health and, more recently, global health research questions. Some build on research in which I am the principal investigator (MPH Epidemiology Jessica Leah paper# 154; MPH Health Promotion Dan-Bi Cho #174 & personal note Dossier #7) or co-investigator (MPH Epidemiology Nandita Perumal #172). These include junior colleagues from lower and middle-income countries, e.g. from Ecuador, Fadya Orozco (Brazilian university), and Myriam Paredes (European university). Many trainees initiate their own projects (e.g. MPH Inter-disciplinary, Gillian Morantz published refereed papers #163&165; MPH Health Promotion-Epidemiology, Heather Rilkoff #169; PhD Social & Behavioural Health Sciences, John Pringle #127; PhD Epidemiology, Beth Rachlis, #142 & #171). I support them in obtaining salary and travel funds, submitting ethics proposals, implementing their research, and writing it up for publication (their names underlined or \*ed in published refereed paper, presentation and posters sections).

### **Mentoring**

Across diverse stages in their training, trainees have remarked that I am a “good mentor”, describing the various ways in which I demonstrate a *respectful and supportive*

*role to their learning and career development.* Through the Canadian Coalition for Global Health Research, I have led workshops on mentoring with colleagues from a variety of universities, with groups of 30+ attendees who are new to mentoring, have engaged as mentors, or have run programs of mentoring with their organizations. I built on this experience to develop and lead a post-doctoral and junior faculty group mentorship program on global health research. Over five sessions with prepared materials and virtual participation via Skype and phone from Australia and Sub-Saharan Africa, we dealt with issues such as networking, funding, project implementation, publication, and career development with positive feedback from regular attendees. In my Core Foundations of Educational Research project, I obtained Global Health Research Initiative funding (Part D, non-peer reviewed grant, Cole et al 2013) to conduct a multiple case study on global health research mentorship with colleagues from Africa, Latin America, Europe and Canada (Published refereed paper #197). Assisting a former doctoral student with a review of her MPH program at the Universidad San Francisco de Quito is another phase of senior mentoring.

### **Evaluation/Research**

Having worked as a medical student and then immediately post-internship with colleagues from the Division of Studies in Medical Education, I was impressed by the need to evaluate and learn from what we do in education. I first applied this perspective in continuing education work with professionals from multiple sectors (Part G, Peer reviewed presentation, national #4) and extended it to evaluation of an Interdisciplinary Capacity Building Program in Cuba, at the request of the Association of Colleges and Universities of Canada (Part G, Reports #51). During my sabbatical, with support from a Royal College of Physicians and Surgeons of Canada International Travel Fellowship, I engaged with colleagues from Sub-Saharan Africa on public health training and conducted a review of the Masters in Global Health Sciences at Oxford University. Returning to Canada, a Health Promotion colleague and I applied similar follow-up evaluation approaches to our own Global Health Concentration masters' program (Published refereed paper #161). As a campus-based professor I value learning from systematic examination and reflection upon our educational approaches, including completion of the Core Foundations in Educational Research certificate program, attendance at Centre for Teaching Support and Innovation sponsored Scholarship of Teaching and Learning sessions (e.g. on Powerful Assessment – Peer review presentation Local #6). Further, I have become increasingly interested in the service or community-engaged learning literature, enriched by Centre for Community Partnership faculty institutes (several in 2015).

## **2. EDUCATION FUNDING**

### **GRANTS:**

Orris P, **Cole DC**, Kirkland K, Gibson B. Great Lakes Environmental Scholars Program. U.S. Agency for Toxic Substances and Disease Registry, 1995. US \$31,742

Voorberg N, **Cole DC**, Hunter W, Scott I. Homeside community environmental health project. Health of the Public Project, 1995-96. \$10,000

Valaitis R, **Cole DC**, Chambers LW, O'Mara L, Rideout L, Thomas H, Turpie I, VanBerkel C, Ehrlich A. The development of a CD-ROM computer-assisted instruction program: community action skills for staff in community health agencies and health sciences students. Health of the Public Project & McMaster University on Teaching and Learning, 1995-96. \$16,220 (Distributed through CPHA)

Elliot SJ, Eyles J, **Cole DC**. Internet (distance) learning: pilot module for the Environmental Health Program. McMaster University Committee on Teaching and Learning. \$3,600

Loisel P, Arsenault B, Baril R, Berthelette D, Bombardier C, Brun J-P, **Cole DC**, Cooper J, Clermont D, Durand M-J, et al. Training New Investigators in Work Disability Prevention CIHR, 2002-08. \$1,800,000

Kakuma R, Bates I, **Cole DC**, Fonn S, Ezeh A, Thorogood M, Neufeld V. Evaluating Capacity Development in Global Health Research. CIHR MPD grant (73981), Dec 2009-Dec 2010. \$17,856

**Cole DC** & Canadian Coalition for Global Health Research. Strengthening research capacities focused on the social determinants of health in the Andean region. CIHR Institutes of Infection and Immunity and Population and Public Health. Meetings, Planning and Dissemination Grants – Priority Announcement: Health and Health Equity (Winter 2010 Competition Code 201002DHH), April 2010-Jun 2011. \$20,000

Ezeh A, Fonn S, Ikamari L, Nangulu A, Katahoire A, Mabayoje AA, Omigbodun A, Rao R, Dungumaro E, Mandala W, Masanja H, Kinyanjui S, Kahn K, Izugbara C, Kabiru C, Bondjers G, **Cole D/CCGHR**, Manderson L, Hoffman A, Griffiths F, Launois P. Consortium for Advanced Research Training in Africa+ (CARTA+). Wellcome Trust Developing Excellence in Leadership, Training and Science (DELTA) Africa Initiative £5,250,000 (USD 7,742,111) proposed, actually received USD 8,048,613 over 60 months start date of 1 March 2016

**Cole DC**, Webb J. Adaptation, Dynamization, and Dissemination of the CoPEH-- - Canada EcoHealth Teaching Manual. International Association of Ecology & Health. (USD \$980). 2016 February 29.

Brisbois B, Cohen R, Cortinois A, Elton S, Kayvan SV, Raglan M, Poland B, Mychajluk L, **Cole DC**, Miles A, O'Neill E, Alsop S, Frente Colibri & Conscious Minds Cooperative. Pedagogy for the Anthropocene: Land-Based Learning for Socioecological Transformation. (IGHEI, \$24,940), 2017 Mar 1- 2018 Mar 31 (Collaborator)

## CONTRACTS

Eyles J, **Cole DC**, Environmental Risk - unpacking the black box. A Continuing Education Symposium. Ontario Ministry of Health, 1995. \$20,000

Bondy S, **Cole DC**, Johnson I. Public Health Epidemiologist Core Competency Development. PHAC to APHEO, 2005-6. \$24,925

**Cole DC**, Taleski-Steele S. Development of Joint Advanced Seminar curricula. CARTA, 2010-11. US \$5000

Parkes M, Vaillancourt C, Surette C, Saint-Charles J, Woollard R, Morrison K, Stephen C, **Cole DC**, Bunch M. Linking public health, ecosystems and equity through ecohealth training and capacity building. Public Health Agency of Canada, Jan 2013-Dec 2015. \$329,575

Bates I, Nyirenda L, **Cole DC**. Independent External Evaluation of the Health Research Capacity Strengthening Initiative (HRCSI), July-Oct 2013. US\$ 33,521.40

Gavine K, Morrison K, Martin-Downs D, **Cole D** (for DLSPH), Moola F, Keen R, Makckie C, Rangam MA, Gardner C, McKeown D, Denney B, Kurji K for the Ontario EcoHealth Collaborative. Healthy Ecosystems for Healthy Communities. Ontario Trillium Foundation. April 2015-Mar 2017. \$250K + in-kind contributions.

McKay S et al...including **Cole D** (for DLSPH) for the Ontario EcoHealth Collaborative. Healthy Ecosystems for Healthy Communities continued. Ontario Trillium Foundation Collective Impact, Stage 2, Organize for Impact. April 2018-Mar 2020. \$150K + in-kind contributions

## SUBMITTED

### 1. COURSES TAUGHT (highly selected)

#### MCMASTER UNIVERSITY:

##### Graduate Programs

Fall 1988	<b>Co-tutor</b> , MS 771, Population Health
1991-2000	<b>Tutor in Epidemiology</b> , Diploma in Occupational Health
1992-2000	<b>Resource Person</b> , Community Medicine Residency Program seminars
1995	<b>Resource person</b> , Design Measurement and Evaluation (DME)/HRM 709 re Interdisciplinary Investigation of Hamilton Harbour Ecosystem

#### UNIVERSITY OF TORONTO:

##### Undergraduate Programs

2003-2005	<b>Lecturer</b> , Environmental health in Determinants of Community Health course (Medicine) (x3, approximately 150-200 students)
2003-2006	<b>Lecturer</b> , Environmental Issues course (Geography) (x 3, approximately 100 students)
2017 Winter	<b>Instructor</b> , Ecological Public Health – Global Perspectives HST 407S (DLSPH-St. George Health Studies) (approximately 25 students)



2018 Winter **Guest instructor**, Global Climate Change HLTC29H3-S-LEC01 (Special Topics Health Studies UTSc) (approximately 40 students)

### Graduate Programs

1996-2007 **Lecturer/resource person**, Reproductive & developmental epidemiology in Environmental Epidemiology (4x, approximately 10-15 students)

2001-2003 **Co-Instructor** in 2001 and **Lecturer/resource person** in 2002, 2003. Environment and Health. IES Collaborative Program core course (about 10 students each year)

2001- **Lecturer/co-tutor** in Introduction to Public Health Sciences (6x, 80+ students in lecture, tutorial groups of about 10 each), then **Guest lecturer**

2002- **Lead Co-Instructor/Co-developer** of new Global Health Research Methods course, then **Lead Instructor** (5x, 6-12 students), then **Guest lecturer**

2005 **Co-Instructor** for Research Methods in Epidemiology (6 students)

2007-present **Instructor** for reading course in Ecosystem Health (2x, one student each)

2009-2010 **Lead Instructor** for re-designed Environmental Epidemiology (2x, 10-12 students)

2009- **Lead Instructor** of Collaborative PhD Program in Global Health doctoral seminar (8 terms, 6-12 students), then **Guest lecturer**

2014- **Co-Instructor**, Ecological Public Health reading course (fall term, 8 students) then spring term, hybrid **Course Director** (6 UT students + 3 York, with multiple across Canada), fall 2017 cross-listed (undergrad course (6 grad, 14 undergrad students)

2015- **Co-Instructor**, Population Health Intervention Research reading course (fall term, 18 students), then **Guest review panel member** x 2

2015- **Co-Instructor**, NFS 1210 HF, Management of Community Food Systems. MPH (Community Nutrition) Field Observation and Program Lab III (fall term, 15-18 students), then **Guest lecturer**

2016 Mar **Guest lecturer**, Public Health Policy II (IHPME) on Social and Environmental considerations for health service managers

2017 winter **Guest lecturer**, Directed Reading: Research and Solution-focused Promising Practices for Healthy Cities & Communities (CHL7001H S4)

2017 fall **Guest lecturer**, Medical Mycology, x-listed course (about 25 students)

2017 & 2018 fall **Instructor**, Ecological Public Health, x-listed course (about 6 grad, 12 undergrad)

### Post-Graduate (Medicine)

2002- **Resource person**, multiple Community /Public Health and Preventive Medicine rounds including those on pesticides, biosolids, water, risk analysis, applying precaution, evaluating environmental interventions, career planning....

- 2011-2014 **Module developer/ Lead Instructor**, Environmental Health Module in Global Health Education Initiative (GHEI) for residents. (3x, 6-12 residents)
- 2019 Nov **Presenter**, Public Health Module in Global Health Education Initiative (GHEI) for residents (1 x 14 residents)
- 2019 Mar **Presenter**, Public Health and Preventive Medicine rounds (1 x 15 residents)

### Other

- Fall 1975 **Instructor**, Industrial Hygiene 1. Humber College of Applied Arts and Technology.
- 1985 - 86 **Planner, Materials Developer, Facilitator and Evaluator**, Workshops in pesticide health and safety for rural health professionals, inspectors and teachers. CARE Nicaragua and Ministries of Health, Education, Labour and Agriculture.
- 1987-1988 **Module Developer and Evaluator**, Training project in environmental and occupational health for public health personnel. Hamilton Wentworth Teaching Health Unit/Department of Public Health Services.
- Nov 1994 **Workshop Designer & Speaker**, Environmental risk assessment.
- 1995 – 1998 **Course Developer and Core Faculty**, Diploma in Environmental Health, McMaster University
- May 1997 **Workshop Designer and Leader**, Environmental influences on pre-conceptional health, Preconceptional Health Conference
- 1997-1999 **Instructor in Epidemiology**, Advanced principles of toxicology, University of Guelph
- 2002 **Trainer** in International Development Research Centre (IDRC) Workshop on Ecosystems Approaches to Human Health for Graduate Training Award recipients
- 2002 **Workshop Leader** at Trent University conference on Confronting Pesticide Use Locally and Globally. Funded by Canadian International Development Agency (CIDA)
- 2002 **Co-Instructor** in courses on Waste and Health in Laos and Cambodia for WasteEcon CIDA Project with Institute for Environmental Studies
- 2003 **Co-Developer** of module on Urban and Peri-Urban Agriculture and Health for Anglophone Sub-Saharan Africa, IDRC project with International Potato Centre.
- 2009 **Resource person**, seminar on Evaluation of Public Health Interventions, University of Oxford
- May 2012 **Faculty**, Mixed Methods in global health research, Santé-CAP STIHR, Montreal, QC <http://www.pifrs-sm-ghrcaps.org/DATA/DOCUMENT/39.pdf>
- June 2012 & 2014 **Faculty**, Community of Practice in Ecosystem Health (CoPEH-Canada) Short Course in Ecohealth, Moncton, NB, and York University, Toronto

## PART I – SUPERVISION

### UNDERGRADUATE (N=5):

- 1993-1994 Alison Brodie, 4th year Geography research course (McMaster) on respiratory health among Hamilton Homeside residents. Co-supervisor with John Eyles
- 2003-2004 Anna Skinner. 3rd year Environmental Studies student (York) on urban agriculture and health
- 2003 Audrey Campbell, enrichment year student in Medicine (McMaster) on gender, urban agriculture and health
- 2005-2006 Ruth Lavergne, 4<sup>th</sup> year Environment and Health student (U of T), independent research project, case series of Environmental Health Clinic patients
- 2006 Ruth Lavergne, Student Union international summer research scholarship
- 2018-2019 Charlotte Wong-Lebow, independent study on Addressing Ecological Determinants of Health through Community Health Centres

### MASTERS

#### MSC STUDENTS (McMaster) (N=3):

- 1994 Jennie James, *Environmental hazards and primary care*. Co-supervisor with John Eyles.
- 1995 Mario Fuentes, *Reproductive outcomes and environmental exposures*. DME research assistantship.
- 2000-2001 Dwayne Van Eerd, *Toronto Star/SONG Research project*. HRM research internship.

#### MHSC STUDENTS (UToronto) (N=16):

- 1992 Karen Sriwanka, one Y1 re: Health Promotion in the Small Workplace
- 1995 Lisa Belzac, project supervisor for Environmental Epidemiology course
- 2000 Lori Greco, Health Promotion re: Workplace Intervention Evaluation
- 2004 Yves Leger, Community Medicine and Interdisciplinary re: Environmental Health, with a focus on the health impacts and management of moulds
- 2004 Stephanie Wolfe. Water and Environmental Health. Centre for Urban Health Initiatives studentship
- 2006 Shanna Lochhead. Pesticide poisoning surveillance and cross-sectional survey analysis. CIP, Quito, Ecuador. Canadian Co-supervisor for global health practicum
- 2008 Bronwyn Underhill. Food Sovereignty, Nutrition and Horticultural Production in the Montaro Valley. International Potato Center. Canadian Co-supervisor for global health practice,.

- 2008 Melissa Briones. Nutritional impact of the ALTIPLANO project – measurement tools and evaluation design. International Potato Center. Supervisor for global health practica.
- 2008 Suzannah Bennett. Participatory GIS on Waste and Health in Kampala, Uganda. University of Makerere. Canadian Co-supervisor for IDRC EcoHealth masters award project.
- 2009-2010 Jessicah Leah. Determinants of food security and household health among small farmers in the Central Andes. Supervisor for two data analysis practica.

### **MPH STUDENTS (UToronto) (N=15):**

- 2009 Kipruto Kirwa. Design of an environmental epidemiology program for Moi University. Graduate Student Exchange Program placement. University of Toronto. Canadian supervisor.
- 2010-2011 Jaameeta Kirji. Operational evaluation of SASHA POCP – an agricultural intervention for health. Sheila Basrur Travel Bursary and AUCC-CIDA Students for Development Award. Canadian practicum and capstone project co-supervisor.
- 2010-2012 Nandita Perumal. Antenatal care, nutritional knowledge and health practices in Western Province, Kenya. CIHR masters' award supervisor and Canadian practicum co-supervisor.
- 2013-2014 David Patterson. Ecohealth oriented policy and program interventions. Reading course instructor and Health Promotion program advisor (ICS TRAVEL AWARDS CDN\$ 2500)
- 2014 Steven Lam. An Ecohealth approach to State of the Environment Reporting. Practicum co-supervision with Allana Lefley, Grey Bruce Health Unit.
- 2015-2016 Abtin Parnia. Metals in Newcomer Women. 1<sup>st</sup> Practicum co-supervisor & Research assistant supervisor. Gordon Cressy Award for Student Leadership.
- 2015-2016 Dara Gordon. Air quality information for community action. Health Promotion program advisor.
- 2015-2016 Joel Kaushansky. Indoor air pollution in southeast India – a cross-sectional survey. Health Promotion program advisor. Global Health Research Travel Award (CDN\$5000)
- 2015-2016 Shirley Chen. Ecohealth education in Ontario. Epidemiology research assistantship supervisor. EkoSante internship award (CDN\$ 1000)
- 2017-2018 Madelaine Bondy. Farmer health & well-being. Independent research project as horizontal elective. Included two research courses.
- 2017 Kate Lillepold. Climate Change, Nutrition and Health with a focus on East Africa. Summer practicum co-supervisor

### **COMMUNITY MEDICINE RESIDENTS:**

#### ***Full-time placements at Lakeshore Area Multiservice Project (LAMP):***

1992 Sheila Basrur, R3, occupational health  
 1992-1993 David Stieb, R4, program evaluation

[Also, two sets of Community Medicine Residents from University of Toronto as part of Occupational and Environmental Health Block]

**Other supervisions:**

1993-1994 Richard Heinzl R1, re: Environmental Health Module for Residents  
 1994 Maureen Baikie, R3, re: DME Thesis on PCB's and Fertility  
 1994-1995 Ian Scott, R2 re: Community Environmental Health Assessment  
 1995-1996 Nashila Mohammed, R3, re: Evaluation of a Community Lead Education Program  
 1999-2000 Karen Lee, R4, re: Workplace Psychosocial Factors and Cardiovascular Disease at IWH  
 2004 Yves Leger R3 re: Environmental health, particularly mould in buildings  
 2007 Allison Chris R4 re: Health risk mitigation in urban agriculture interventions among persons with HIV&AIDS  
 2010-2011 Andrew Pinto R4-5 re: Mapping global health at the academy, block elective  
 2011-2014 Aaron Orkin R3, Health Promotion and Program Planning rotation wrt NCDs (May-Aug 2012), mentorship in global health research  
 2013 Jia Hu, Economic evaluation of public health interventions, horizontal elective

**MSC THESES (N=4):**

Elaine Murkin. (co-supervisor) What is the relationship between Great Lakes fish consumption and nutritional status? University of Guelph, Community Nutrition (1996-1998). Now manager, Grenville-Leeds Public Health

Irina Rivilis. Worksite ergonomic intervention impacts on injuries and musculoskeletal pain. University of Toronto, Epidemiology (2002-2004).

Renee Sebastian. Urban agriculture, food security and nutrition in Kampala, Uganda: opportunities for improvement. University of Toronto, Epidemiology (2002-July 2005). Now physician

Shelby Yamamoto. Exposure to semi-volatile organics and health risk assessment for urban and peri-urban agriculture in Kampala, Uganda. Occupational and Environmental Health (2003-August 2005). After doctoral work, researcher at LSHTM.

**PHD (N=18):**

Kate Bassil. The Relationship between Temperature and 911 Medical Dispatch Data For Heat-Related Illness in Toronto, 2002-2005: An Application of Syndromic Surveillance. University of Toronto, Epidemiology (2003-2008). – Now manager, Health Public Policy, Toronto Public Health.

Nita Chauduri. Improving our Understanding of Participatory Action Research – Transforming Eco-system health Conditions among Peri-Urban Farmers in Pikine, Senegal. IDRC Agropolis Doctoral Award. University of Toronto, Community Education/Institute of Environmental Studies (2003-2009) – now consultant in evaluation of community based environmental interventions and Adjunct Professor at the American University of Paris

Irina Rivilis. Work disability management benchmarking. University of Toronto, Epidemiology (2004- 2009, then transferred to Brock University).

John D Pringle. Welfare Medicine for the Global Poor: Humanitarian Ethics and the Nigerian Lead-Poisoning Outbreak. University of Toronto, Social and Behavioural Health Sciences, Supervisor (2007- 2014). Vice-Chair of MSF Ethics Review Board. Now Assistant Professor, McGill Faculty of Nursing.

A. Fadya Orozco T. Capital Social y Salud en Agricultores de Pequena Escala. Federal University of Bahi, Salvador, Brasil. Brazil Doctoral Fellowship Award. Social Epidemiology Co-Orientador (2008- 2011) – now assistant professor and MPH programme director, Universidad San Francisco de Quito

Dolon Chakravartty. Attending to Differential Environmental Exposures among Racialized

Newcomer Women in Canada: Why so difficult? CIHR Strategic Training Program in Public Health Policy fellowship. University of Toronto, Health and Behavioural Science, part-time, (2009-2019) – now policy advisor and analyst, Public Health Agency of Canada

Susitha Wanigaratne. Maternal and Perinatal Health of Refugees in Ontario: A Population-Based Approach. University of Toronto, Epidemiology, Co-Supervisor with Kate Bassil and then Marcelo Urquia (2010-2014) - now Post-Doctoral fellow with University of Manitoba

Kaileah McKellar. Evaluation of Communities of Practice in Ecosystem Health. University of Toronto, Institute of Health Policy, Management and Evaluation. Co-supervisor with Rhonda Cockerill (2012-2018). EkoSanté Fellowship Award 2014-15 (CDN\$9,500) and travel award (2016 \$2000) – Now researcher, Keenan Research Institute, St. Michael's Hospital

Juyeon Lee. Location-based' digital platform workers, institutional regimes and health. Social and Behavioural Health Science. Co-supervisor with Erica Di Ruggiero (2018-2019). (passed co-supervisorship onto colleague anticipating retirement)

#### **POST-DOCTORAL FELLOWSHIPS (N=11):**

Mieke Koehoorn. Musculoskeletal disorders, work environment and health. Mustard Fellow with the Institute for Work & Health. (Dec 1998 - Jun 2001). Associate Professor, UBC, School of Public Health

Sarah Wakefield. (Co-supervisor with Blake Poland) Social capital, social exclusion and health. Department of Public Health Sciences/SSHRC PD Fellowship. (Jul 02 - Jun 03). Associate Professor, UToronto, Geography

Luz Helena Sanin. Environmental epidemiology. Universidad Autonoma de Chihuahua /University of Toronto. Mexican National Visiting Research Fellowship (Sept 02- Aug 04), Currently Professor, Universidad Autonoma de Chihuahua.

Ellen MacEachen. Organization, management commitment and workplace health in the context of contemporary work conditions. Mustard Fellow with the Institute for Work & Health. (Sept. 2003-Aug. 2005). Scientist, IWH and Associate Professor, University of Waterloo

Jeff Masuda as Co-Mentor. Environment and Health Promotion. (Sept. 2006 – Aug 2007). Now Associate Professor, Queen's University

Ben Brisbois (co-supervisor with Anne-Emanuelle Birn). Ecohealth knowledge in communities of practice. (Jan – May 2015) EkoSanté Fellowship Award 2014-15 (CDN\$9,500). After post-doc at St. Michael's Hospital, rejoined me (co-supervisor with Margot Parkes) for a Metanarrative on Canadian patterns of research on resource extraction and health in Canada. (Jan – Jun 2018) HIRED et al (CDN\$20,000) – Evaluator, Lee Ka Shing Knowledge Institute

Matthieu Feagan (co-supervisor with Angela Miles). Ecohealth knowledge building across Canada and Latin America (July-November 2015) EkoSanté Fellowship Award 2014-15 (CDN\$9,500) - post-doctoral fellow, Arizona State University

Faiza Waheed (co-supervisor with Glen Ferguson). Rapid Health Impact Assessment On Introducing Permanent High Occupancy Vehicle Lanes and High Occupancy Tolls Lanes In the Greater Toronto Area. Cole DC, Waheed F, Ferguson G. Mitacs-Accelerate Graduate Research Internship Program Jan-Sept 2016. (CDN \$30,000 + \$30,000 Intrinsic). See <http://intrinsic.com/wp-content/uploads/2017/10/Rapid-HIA-on-the-Implementation-of-High-Occupancy-HOT-Lanes-on-Highways-in-Toronto.pdf> . Now Scientist, Intrinsic (consulting firm).

Warren Dodd. Connecting health, migration, and climate change in rural farming communities of Honduras. Jul 2017-May 2018. CIHR Post-doctoral fellowship (CDN \$ 33,333.33 stipend; \$5,000 research funds). Now Assistant Professor (tenure stream), University of Waterloo.

## ***2. COMMITTEE MEMBERSHIP***

### **Masters**

Lisa Beech-Hawley. Influence of working under deadlines in the newspaper industry on the risk of upper extremity WMSDs. University of Waterloo, Kinesiology (1996-1998)

Sylvia Pascual. An evaluation of the impact of ergonomic changes on injury risk at the production system level. University of Waterloo, Department of Kinesiology-Biomechanics (Dec 2002- Jun 2003)

Natasha Anderson. Livelihoods among households affected by HIV/AIDS in Nakuru, Kenya. University of Toronto, Anthropology (Aug 2006-Aug 2007)

### **Doctoral**

Hua Wang. A follow-up study of workers with acute soft tissue injuries using the Ontario Workers' Compensation Board database. University of Toronto, Exercise Sciences (1996-2000)

Michael F.D. Polanyi. Towards better prevention of work-related musculoskeletal disorders in Ontario: an exploration of the process and outcomes of a search conference on a contentious issue. York University, Faculty of Environmental Studies (1997-1999)

Adele Iannantuono. Assuming that language has depth, how deep are the Great Lakes? McMaster University, School of Geography and Geology (1998-2001). Now with Health Canada.

Michelle Driedger. Issue framing of chlorinated disinfection by-products in public health. McMaster University, School of Geography and Geology (1998-2001). Now Associate Professor, University of Ottawa

Colin McMullan. The Canadian healthy communities project. McMaster University, School of Geography and Geology (1998-2002)

Sarah Wakefield. Social Capital and Environmental Risk: Understanding individual and community responses to adverse air quality in Hamilton-Wentworth. McMaster University, School of Geography and Geology (1998-2002)

Monica Bienefeld. A nested case-controlled study of the reproductive effects of ionizing radiation. University of Toronto, Community Health (1998-2004). Now lead Environmental Health, Ontario Ministry of Health and Long-Term Care.

Dee Kramer. From research transfer to research transformation: A manufacturing workplace intervention study. University of Toronto, Department of Theory and Policy Studies in Education (2000-2002) (effectively co-supervisor). Now Staff Scientist, Occupational Cancer Research Centre (OCRC).

Lauren Griffith. Meta-analysis of biomechanical risk factors for back pain. University of Toronto, Epidemiology. Flextime (2003-2008). Now Assistant Professor and Research Scientist, Clinical Epidemiology & Biostatistics, McMaster University

Myriam Paredes. Peasant heterogeneity and the interface with crop protection policy and intervention: the case of Carchi, Ecuador. Rural Sociology Group, Department of Social Sciences, Mansholt Graduate School, University of Wageningen. (2003-2010). Now Professor at FLACSO, Ecuador



Carlos José Sousa Passos. Une approche écosystémique à l'étude de l'influence de la consommation de fruits tropicaux sur l'absorption du mercure (Hg) chez des populations riveraines de l'Amazonie brésilienne. Institut des sciences de l'environnement, Université du Québec à Montréal. (2004- 2007). Comprehensive completed.

Stephen Sherwood. The manufacture of ecosystem crisis: People, pests, and pesticides in the Northern Andes. Communication and Innovation Studies, Wageningen University and Research Centre. (2004-2009 ). Now Assistant Professor, same department.

Shane Dixon. The Social Production of Workplace Illness and Injury. Sociology. University of Waterloo. Now lecturer (2005-2009)

Richard Ilan Alleson. Contested environmental illness in the Negev/*al-Naqab*: a narrative analysis. Health and Behavioural Sciences, University of Toronto (2005- 2011)

Janet McLaughlin. Trouble in our fields: health and human rights among Canada's foreign migrant agricultural workers. Anthropology, University of Toronto. (2006 -2009). Also Supervisor for her Syme Fellowship at the Institute for Work and Health. Now Assistant Professor, Health Studies, Wilfred Laurier University.

Erica De Ruggiero. Agenda setting in global policy development: the Case of the International Labour Organization's Decent Work Agenda. Interdisciplinary Studies in Public Health. University of Toronto (2008-2015)

Dwayne Van Eerd. Knowledge translation approaches in workplace ergonomics. Work & Health Studies, University of Waterloo (2011- 2016)

Providence Jephchirchir Kiptoo. Herbicide exposure and male reproductive effects. Environmental Health, University of Eldoret (constituent college of Moi University) (2013- ). Commonwealth Scholarship – Graduate Student exchange at DLSPH \$ 6500 (May – November 2013)

Jeavanna Sritharan. Investigating the Occupational Etiology of Prostate Cancer in Canadian Men. Institute of Medical Sciences. (2014-2018)

Rabia Kahn. Dying to Stay Alive in Residency and Beyond: A Critical Discourse Analysis of Burnout. Institute of Medical Sciences. (2014-2022)

Rebecca Hasdell. The role of context in food retail environment measurement and intervention in small-and medium-sized Canadian jurisdictions. DLSPH SBHS (2016 - 2019)

Katie Hayes. Responding to a Changing Climate: An investigation of the psychosocial consequences of climate change and community-based mental health responses in High River. DLSPH SBHS (2016-2019)

Sara Elton. Posthumanist Thinking About Health and the Food System: Vegetal Politics in Toronto Urban Gardens During the Anthropocene. DLSPH SBHS (2016-2019)

Farah N Mawani. Conceptualization, Measurement, and Association of Underemployment to Mental Health Inequities between Immigrant and Canadian-born Labour Force Participants. DLSPH Epidemiology (2017-2018)

### **3. EXAMINER FOR THESES**

#### **MASTERS THESES:**

Jennie James. Perceiving health and the environment: connections, conceptions and cognitions. McMaster University, School of Geography and Geology (1996)

Maria Shuk Mun Lam. Genetic Polymorphisms in Ah Receptor and Cytochrome P450 Drug-Metabolizing Enzymes in relation to Estradiol Metabolism and Breast Cancer Susceptibility. University of Toronto, Pharmacology (2000)

Anna Ballon. Negotiating successful return to work: Perspectives of nurses with low back pain. University of Toronto, Rehabilitation Science (2000)

Debbie Wilson. Cancer and fish consumption, a case control study. University of Toronto, Epidemiology (2002)

Erin Hodge. Ecological risk assessment in urban settings. University of Toronto, Geography (2002)

Brian Murphy. Cost-shifting in health care: a pilot study explores the relationships between cost shifting, repetitive strain injury, the Workplace Safety and Insurance Board of Ontario, and publicly funded health care. York University, Law (2003)

Heather Neilson. Factors influencing the reliability of self-reported occupational exposures. University of Toronto, Occupational and Environmental Health (2003).

Anusha Raj. Prognostic modelling of health-related quality of life for injured workers with upper-extremity soft tissue injuries in the (IWH) early claimant cohort. University of Toronto, Epidemiology (2003).

MSc, IMS in Collaborative Program in Environmental Health (2005) – Sherina Tannebaum (defence)

Liana C. Del Gobbo. Consumer and environmental factors influencing benefits and risks of fish consumption: University of Toronto, Geography (2007)

Campbell R. MSc HPME. Internal examiner. The Experiences of Migrants Seeking Healthcare in Toronto (August, 2011)

#### **PHD THESES:**

#### **Comprehensive Examinations**

Special area of risk and environmental health. McMaster University, School of Geography and Geology. Jamie Baxter (1995), Adele Iannouatou (1996), Sarah Wakefield (1999)

### **Protocols**

Carly Jackson. Protecting the human rights of migrant workers: The role of farmers in supporting the health-related needs of temporary migrant seasonal agricultural workers in Ontario, Canada. DLSPH SBHS. (2023)

### **Dissertation Defence**

Harris Ali. The search for a landfill site in an age of risk: the role of trust, risk and the environment. McMaster University, Sociology (1996)

### **External Examiner**

Shelley Harris. The development and validation of a pesticide dose prediction model. University of Toronto, Epidemiology (1999)

Fabio Cabarcas. Harnessing the community capacity of small farmer organizations to reduce pesticide-related environmental health risks: a case study in an indigenous community in the southern ranges of Ecuador, 2007-2008. University of British Columbia, Interdisciplinary Studies (2010)

Colleen G. Walton. Sustainable Livelihoods and Food and Nutrition Security of Kenyan Smallholder Farm Women' University of PEI. Public Health (2012)

Parnali Dhar Chowdhury. Understanding Dengue Transmission: Application of an Ecohealth Approach in Dhaka, Bangladesh. University of Manitoba, Faculty of Environment, Earth and Resources (Mar 2015)

Jordan Sky Ostereicher. Dimensions socio-écologiques des changements de paysage et des moyens de subsistance dans la région du Rio Tapajos, Brésil: éléments de compréhension de l'exposition à la maladie de Chagas et au mercure [Socio-ecological aspects of landscape change and livelihoods in the Tapajós River region, Brazil: contributions to understanding Chagas disease and mercury dynamics]. University of Quebec at Montreal, Faculty of Environmental Sciences (Dec 2015)

Warren Dodd. Labour Mobility, Health, and Rural Livelihoods in Southern India. University of Guelph, Population Medicine & International Development. (August 2016)

Tessa Cornell. *Histoplasma* at the human-animal-environment interface in community settings: The epidemiology of a high priority fungal pathogen in human and equid populations in sub-Saharan Africa, with a focus on The Gambia. University of Liverpool, Department of Livestock and One Health (December 2023)