

# CURRICULUM VITAE

February 2015

**Timothy Keen Takaro, MD, MPH, MS.**

## PERSONAL DATA:

**Citizenships:** U. S. (born) and Canadian since October 2011

**Work Address:** Simon Fraser University  
Faculty of Health Sciences,  
2114 EAA - 8888 University Drive  
Burnaby, BC. V5A 1S6  
e-mail: ttakaro@sfu.ca  
phone: 778-782-7186

## UNIVERSITY EDUCATION:

1976-1980 Yale College, New Haven, CT  
B.S. Biology, 1980

1980- 1985 University of North Carolina  
Schools of Medicine and Public Health  
M.D. and M.P.H. (epidemiology), 1985

1993-1996 University of Washington  
School of Public Health and Community Medicine  
M.S. (toxicology), Mar. 1996

**Foreign Language:** Spanish

## POST GRADUATE TRAINING:

July 1995-Mar 1996 Fred Hutchinson Cancer Research Center  
Cancer Prevention Research Program, Seattle, WA  
Research Fellow

July 1993-Mar. 1996 Dept. Medicine and Environmental Health  
University of Washington, Seattle, WA  
Senior Fellow in Occupational & Environmental Medicine  
Completed Fellowship and qualified for Board examination.

July 1989-July 1993 Dept. Medicine,  
Oregon Health Sciences University, Portland, OR  
Resident, Internal Medicine Primary Care Track  
Completed Residency and qualified for Board examination

June 1985-July 1986 Emanuel Hospital, Portland, OR

**FACULTY POSITIONS HELD:**

- July 2013 – present    Dept. Environmental & Occupational Health Sciences  
School of Public Health  
University of Washington, Seattle, WA  
Clinical Professor
- Sept. 2012- present    Faculty of Health Sciences  
Simon Fraser University, Burnaby, BC.  
Professor
- Jan. 2009 – 2012        Faculty of Health Sciences  
Simon Fraser University, Burnaby, BC.  
Associate Dean for Research
- Nov. 2007- present     Department of Medicine  
University of British Columbia, Vancouver, B.C.  
Visiting Associate Professor
- Mar. 2006 - 2011        School of Environmental Health  
University of British Columbia, Vancouver, BC.  
Affiliate Faculty
- Aug. 2005 - 2012        Faculty of Health Sciences  
Simon Fraser University, Burnaby, BC.  
Associate Professor
- July 2006 – present     Dept. Environmental & Occupational Health Sciences  
School of Public Health and Community Medicine  
University of Washington, Seattle, WA  
Clinical Associate Professor
- Jul 2000– Jun 2006     Dept. Environmental Health  
School of Public Health and Community Medicine  
University of Washington, Seattle, WA  
Clinical Assistant Professor
- Jul 2000 - Aug.2005    Dept. Medicine  
Division of General Internal Medicine  
University of Washington, Seattle, WA  
Clinical Assistant Professor
- Jul 2000 – Sep 2006    Graduate Studies Faculty  
University of Washington, Seattle, WA.  
Affiliate Faculty

- July 1999 – Sep 2006 Center for Ecogenetics and Environmental Health  
University of Washington, Seattle, WA.  
Full Member – Cardio-respiratory Susceptibility Research Core
- Oct 1998 – Sep 2006 Div. Public Health Science  
Fred Hutchinson Cancer Research Center, Seattle, WA  
Affiliate Investigator
- Oct 1998 – Jul 2000 Dept. Environmental Health  
School of Public Health and Community Medicine  
University of Washington, Seattle, WA  
Acting Assistant Professor
- Jul 1998 – Jul 2000 Dept. Medicine  
Division of General Internal Medicine  
University of Washington, Seattle, WA  
Acting Assistant Professor
- May 1996-Jun 1998 Dept. Medicine  
Division of General Internal Medicine  
University of Washington, Seattle, WA  
Acting Instructor

**CLINICAL POSITIONS HELD:**

- Oct 2008- present University of British Columbia  
Occupational and Environmental Medicine Clinic, Vancouver, BC  
Attending Physician
- Apr 1996-Aug 2005 University of Washington  
Occupational and Environmental Medicine Clinic, Seattle, WA  
Attending Physician
- Jul 1999- Jul 2005 Director  
Center of Excellence for Chemically Related Illness  
University of Washington  
Occupational and Environmental Medicine Clinic, Seattle, WA
- Jul 1999- Jul 2000 & Sept.2002-Sept. 2004  
Interim Director  
University of Washington  
Occupational and Environmental Medicine Clinic, Seattle, WA
- Oct 1993-May 1996 Pacific Medical Center  
Beacon Hill Same-Day Appt. Clinic, Seattle, WA  
Primary Care Physician
- Oct 1993-Jul 1995 Harborview Adult Medicine Clinic

- University of Washington, Seattle, WA  
Clinic Physician
- Jan 1990-Mar 1992 Multnomah County Health Dept., Portland, OR  
Clinic Physician (Internal Medicine)
- Jan 1990-Jun 1993 Seaside General Hospital, Seaside, OR  
Emergency Room Physician
- Aug 1990-Nov1990 Geriatric Care of Greater Washington, Washington, D.C.  
House-call physician
- Dec 1986-Apr1989 Ministry of Health, Jinotega, Nicaragua  
Co-coordinator Jinotega Health Project  
Tropical and Preventive Medicine

### **HONOURS AND AWARDS:**

- 1982 American Lung Association Student Fellowship Award
- 1984 University of North Carolina School of Medicine/Rostock and Greifswald  
Medical Institutes (German Democratic Republic) Exchange Scholar
- 1985 Nobel Peace Prize (shared as an active student member of the  
International Physicians for the Prevention of Nuclear War and its U.S.  
affiliate, Physicians for Social Responsibility)
- 1994 University of Washington Dept. Environmental Health Travel Award
- 1995 Agency for Toxic Substances and Disease Registry (ATSR) Clinical  
Fellowship Program Grant in Environmental Medicine, (deferred)
- 1999-2002 National Institute of Occupational Health and Safety (NIOSH) Special  
Research Career Award
- 2001 Best Paper Award, Society for Risk Analysis: Judd NL, Griffith WC,  
Takaro TK and Faustman, EM. A Model for Optimization of Biomarker  
Testing Frequency to Minimize Disease and Cost: Example of Beryllium  
Sensitization Testing
- 2002 University of Washington Department of Environmental Health  
Community Outreach Award
- 2003 U.S. Dept. Health and Human Services, Innovation in Prevention Award  
to the Seattle-King County Healthy Homes Project.
- 2005 U.S. Environmental Protection Agency, Children's Environmental Health  
Award to Seattle-King County Healthy Homes II Project.

- 2007 Urban Land Institute Global Award for Excellence for work at High Point in West Seattle with our Breath Easy Homes.
- 2014 President's Sustainability Award, Simon Fraser University.

**CERTIFICATION:**

Fellow, American College of Occupational and Environmental Medicine, 2008;  
 Diplomat, Occupational Medicine, American Board of Preventive Medicine, Jan.1997;  
 Certificate Number: 24158

License to practice medicine: British Columbia # 26167 (active since Oct 2008)

License to practice medicine: Washington # MD 31316 (active since 1993)

License to practice medicine: Oregon # MD14931

License to practice medicine: District of Columbia # 18616

**COMPETITIVE FUNDING**

Granting Agency	Subject	\$ (US) Per Year	Years of Grant (funded yrs)	Principal Investigator	Co-Investigator(s)
NIOSH (R-01)	Comprehensive Occupational Health Surveillance	\$315,383	1995-1998 (3)	Barnhart	Takaro
USDOE	Risk assessment & communication for USDOE sites	\$352,462	1995-2000 (5)	Faustman	Takaro
NIOSH (K-01)	Radiation and asbestos in pulmonary fibrosis	\$48,613	1999-2002 (3)	Takaro	Barnhart (Co-PI)
HUD	Seattle Healthy Homes	\$645,273	2000-2003 (3)	Krieger	Takaro w/ 2 others
USDOE	Medical surveillance	\$699,996-\$785,210	1998-2005 (8)	Takaro	Brodkin
HUD	Home remediation for asthma	\$312,626	2001-2005 (3)	Takaro	Krieger
NIEHS	Environmental & clinical asthma control	\$391,159	2001-2004 (4)	Krieger	Takaro w/ 2 others
NIEHS	Susceptibility genes in asbestos disease	\$200,945	2002-2005 (3)	Putnam	Takaro w/ 4 others
HUD	New healthy homes for asthma	\$312,632	2003-2007(3)	Takaro	Krieger
Puget Sound Partners	Assessing childhood cancers in south Iraq	\$50,000	2005-2007 (1)	Hagopian	Takaro
USDOE	Risk assessment & communication for USDOE sites	\$949,084	2000-2004 (5)	Faustman	Takaro w/ 10 others
NIEHS	Indoor environmental health risks in rural housing	\$555,652	2005-2009 (4)	Butterfield	Takaro w/6 others
MSFHR	BC Team grant for gene-environment interaction in asthma	\$21,750	2006 (1)	Turvey	Takaro w/ 12 others

AllerGen (CIHR NCE)	Exposure assessment for gene-environment interaction in asthma	\$105,000	2006-2009 (2)	Takaro	Scott
WorkSafeBC	Beryllium disease in BC Workers	\$30,000	2008-2009 (1)	Takaro	Demers
MSFHR	BC Team infrastructure grant for gene-environment interaction in asthma	\$75,000	2008-2010 (3)	Turvey	Takaro w/ 12 others
CIHR	Canadian Healthy Infant Longitudinal Development birth cohort	\$2M	2009-2015 (6)	Sears	Takaro w/ 44 others
Community Trust for the Endowment Fund - SFU	Secondary Effects of Climate Change on Human and Ecosystem Health: A Risk-Based Approach	\$219,000	2008-2013 (5)	Allen	Co-PI Takaro
SSHRC	CURA Climate Change Justice	\$200,000	2009-2014 (5)	Lee	Takaro w/ 43 others
Health Canada	Novel Approaches for Assessing Exposure to Phthalates	\$113,500	2009-2011 (3)	Wheeler	Takaro w/ 12 others
Health Canada	An Assessment of Long-Term Indoor Residential Pollution Exposures among Canadian Children	\$524,946	2010-2011 (2)	Takaro	Brook
WorkSafeBC	Assessment of Beryllium Disease Risk in Pre-selected BC Industries	\$294,268	2011-2014 (3)	Takaro	Maier, Keokorn, Van Dyke
Health Canada	Phthalate exposures in Canadian children during the first three years of life	\$521,436	2011-2014 (3)	Takaro	Dods
AllerGen (CIHR NCE)	Do indoor exposures to phthalates act independently or as an adjuvant in the development of inflammation & allergic disease?	\$50,000	2011-2014 (2)	Takaro	Hirota
CIHR	Food systems and health equity in an era of globalization: Think, Eat and Grow Green Globally	\$380,127	2011-2016 (5)	Spiegel	Takaro w/ 9 others
CIHR	CHILD (renewal)	\$1M	2012-2016 (4)	Sears	Takaro w/44 others
SFU Teaching and Learning Centre	An evaluation of the flipped classroom model in a Master's level environmental and occupational health course	\$9,650	2013-2014 (2)	Takaro	Galway and Berry
CIHR	Early life determinants of asthma	\$190,128	2014-2019 (5)	Sears	Takaro w/10 others

### CONTRACTS (past five years)

<b>Granting Agency</b>	<b>Subject</b>	<b>\$ (US) Per Year</b>	<b>Years of Grant (funded yrs)</b>	<b>Principal Investigator</b>	<b>Co-Investigator(s)</b>
Health Canada	Critical Review of Phthalates in Canadian Indoor Environments	\$25,000	2009 (1)	Takaro	Gobas
Workplace Health, Safety & Compensation Commission, Nfld.	Development of a Registry of Former Workers of the Baie Verte Asbestos Mine	\$641,136 (my contribution was in-kind)	2009-2011 (2)	Bornstein	Takaro, Demers
BC Centers for Disease Control	Sociodemographic and geographic differences between human cases of campylobacteriosis in British Columbia	\$100,000 (my contribution was in-kind)	2011-2013 (2)	Galanis	Takaro
Public Health Agency of Canada	The environment and your health [A guide for seniors]	\$5,000	2012 (1)	Takaro	Martin
Public Health Agency of Canada	The impact of climate change on drinking water & health in BC	\$50,000	2012-2015 (3)	Takaro	Galanis
AllerGen (CIHR NCE)	Investment in analysis of CHILD urine samples for metabolites of phthalates env. tobacco smoke	\$25,000	2015 (1)	Brook	Takaro, Wheeler

## **CUMULATIVE TEACHING ACTIVITIES**

### **Postdoctoral Clinical Fellows**

Occupational and Environmental Medicine Clinic Preceptor [one-on-one instruction in structured teaching clinic environment with approximately 5 contact hours per week over 12 months]

- 1996 Griffith Blackmon, M.D.  
Cynthia Schumaker, M.D.
- 1997 Feroza Daroowalla, M.D.  
Jay Brown, M.D.
- 1998 David Suchard, M.D.  
Ulricke Luderer, M.D., PhD.
- 1999 Arnold Bunyaviroch, MD.  
David Canton, MD.  
Sanders Chai, MD.
- 2000 David Bonauto, MD.  
Jiho Huang, MD.  
Nilo Arnaiz, MD.
- 2001 Jordon Firestone, MD. PhD.  
Gabrielle Morris, MD.

- 2002 Paul Darby, MD.  
Stacey Newsom, MD.
- 2003 Marilyn Nayan, MD.
- 2004 Austin Sumner, MD.  
Jason Allen, ND.
- 2005 Sham Juratli, MD.
- 2006 Steve Hunt  
Spencer Olsen, MD.  
Satish Subramaniam, MD.  
Chris Carlsten, MD.

### **Clinical Case Conference for Postdoctoral Clinical Residents and Fellows**

1996-2005 Faculty participant (2 days/month)

### **Undergraduate and Medical School Preceptor Courses**

- 1995 Introduction to Clinical Medicine, 1 year class HuBio 535. Eight student weekly class on patient history and physical exam skills.
- 1996 Introduction to Clinical Medicine, 1 year class HuBio 535. Eight student weekly class on patient history and physical exam skills.
- 1999 Introduction to Clinical Medicine - patient presentation tutor, May.
- 2000 Introduction to Clinical Medicine - patient presentation tutor, May.
- 2001 Introduction to Clinical Medicine - patient presentation tutor, May.
- 2002 Introduction to Clinical Medicine - patient presentation and physical exam tutor, May.
- 2003 Introduction to Clinical Medicine - patient presentation & physical exam tutor, May.
- 2004 Introduction to Clinical Medicine - patient presentation and physical exam tutor, May.

### **Course Director**

- 1992 Citywide Forum on Access to Health Care, 5 Internal Med. teaching programs and the American College of Physicians, Portland, OR .
- 1993 Citywide Forum on Access to Health Care (new curric.), 5 Internal Medicine teaching programs and the American College of Physicians, Portland, OR .



- 1995 “Themes in Occupational and Environmental Toxicology”, Universidad Andina (University of the Andes), Quito, Ecuador.
- 1997 Hanford Health of the Site Conference: Current Challenges in Occupational, Environmental & Community Health, Richland, WA.
- 1998 Hanford Health of the Site Conference, Current Challenges in Occupational, Environmental and Community Health, Richland, WA.
- 1999 “Radiation risk communication: Implications of new thyroid disease and fallout data”, CE, NW Ctr. for Occ. Health and Safety Richland. WA.
- Hanford Health of the Site Conference, Current Challenges in Occupational, Environmental and Community Health, Richland, WA.
- 2002 Environmental and Occupational Health Sciences Seminar, Environmental Health 580. Fall.
- 2004 Environmental and Occupational Health, Environmental Health 511 course co-director, Winter.
- 2006 Research Conceptualization and Design in the Health Sciences, HSCI 895. Spring 2006
- Practicum Project Report, HSCI 896. Summer 2006
- Seminar in Workplace Learning, HSCI 897. Fall 2006
- Environmental and Occupational Health, GLOH 660. Fall 2006
- 2007 Perspectives in Infectious Disease and Immunology, HSCI 212 course co-director, Fall 2007
- Environmental and Occupational Health, PPH 860, course director, Fall 2007
- 2008 Perspectives in Infectious Disease and Immunology, HSCI 212 course co-director, Spring 2008
- Environmental and Occupational Health, HSCI 845, course director, Fall 2008
- 2009 Environmental and Occupational Health, HSCI 845, course director, Fall 2009
- 2010 Perspectives in Infectious Disease and Immunology, HSCI 212 course director, Spring 2010
- Environmental and Occupational Health, HSCI 845, course director, Fall 2010
- 2011 Perspectives in Infectious Disease and Immunology, HSCI 212 course co-director, Spring

- Environmental and Occupational Health, HSCI 845, course director, Fall
- 2012 (sabbatical)
- 2013 Environmental and Occupational Health, HSCI 845, course director, Fall
- Foundations of Health Science, HSCI 130, course director, Spring
- 2014 Environmental and Occupational Health, HSCI 845, course director, Fall

**Other Graduate and Medical School Lectures, Continuing Education**

- 1996 “Potential health effects of climate change”, University of Washington, School of Public Health and Community Medicine, Seattle, WA.
- “Utilizing the Occupational Medicine Physician”, University of Oregon, Labor Education Resource Center, Eugene, OR.
- 1997 “Taking the Occupational and Environmental History”, Providence Medical Ctr. Family Practice Program, Seattle, WA.
- “Occupational Health Standards”, Advances in Occupational and Environmental Medicine, Northwest Center for Environmental Health, University of Washington, Seattle, WA
- 1998 “Potential health effects of climate change” Class: Environmental Health 511B, University of Washington, School of Public Health and Community Medicine, Seattle, WA.
- “Challenges for Worker Health and Safety”, Class: Environmental Health 511B, University of Washington, School of Public Health and Community Medicine, Seattle, WA.
- “Taking the Occupational and Environmental History”, University of Washington Family Practice Program, Seattle, WA.
- “Challenges for Epidemiology: Potential health effects of climate change”, Class: Environmental Health 570, University of Washington, School of Public Health and Community Medicine, Seattle, WA.
- “Evaluating Health and Safety Programs”, NW Center for Environmental Health CE Course, Seattle, WA.
- “Occupational Manifestations of Common Clinical Complaints”, Swedish Medical Ctr. Family Practice Program, Seattle, WA.
- “Conducting a Risk Survey for Silicosis” 4 day class: National Institute for Occupational and Environmental Health, Hanoi Vietnam.

- “Environmental Epidemiology”, 4 day class: National University of Costa Rica, Heredia, Costa Rica.
- 2000 Global climate change and health”, Class: Environmental Health 511, Jul.
- 2001 Global climate change and health”, Class: Environmental Health 511, Jul.
- 2002 “Clinical Occupational and Environmental Medicine”, Swedish Medical Center Family Medicine.
- “Worker health issues at Hanford”, UW Law B 529 Advanced Environmental Law and Practice.
- Global climate change and health”, Class: Environmental Health 511, Jul.
- 2003 Global climate change and health”, Class: Environmental Health 511, Mar.
- Global climate change and health”, Class: Environmental Health 511, Jul.
- “Toxicology for Environmental Health”, National University of Costa Rica, Heredia, Costa Rica.
- “Risk Assessment in Environmental and Occupational Health”, National University of Costa Rica, Heredia, Costa Rica.
- 2004 “Epidemiology and health effects of global warming”, Environmental Health 570 Occupational and Environmental Epidemiology.
- Course Co-Director: Environmental Health 511. Fall Semester.
- “Childhood asthma and housing conditions in Seattle”, UW Health Disparities Conf. May.
- “Global climate change and health”, Class: Environmental Health 511, Jul.
- “Occupational Health”, Class: Environmental Health 511, Jul.
- 2005 “Global climate change and health”, Class: Environmental Health 511, Feb.
- “Chronic beryllium disease: A model for gene/ environment interaction” Kinesiology 801 (Simon Fraser University) Oct.
- 2006 Course Director: HSCI 895 Research conceptualization and design in the health sciences. Spring Semester.
- Course Director: PPH 896 Practicum project/report. Summer Semester
- Course Director: PPH 897 Seminar in Workplace-Integrated Learning. Fall Semester.

- Course Director: GLOH 660 Environmental and occupational health. Fall Semester.
- 2007 “Global climate change and health”, Class: PPH 801, (Simon Fraser University) Feb.
- “Effects of world trade on occupational and environmental health”, Class: GLOH 501, (Simon Fraser University) Oct.
- 2008 “Global climate change and health”, Class: PPH 801, (Simon Fraser University) Oct.
- “Ethical considerations in asthma intervention studies”, Class: Graduate Seminar (UBC Sch. Env. Health) Apr.
- Directed studies: HSCI 894 Kyle Danielson, “Externalities and Collateral Damage: A Primer on Environmental Refugees, Summer.
- Directed studies: HSCI 893 Gary Mallach, “Community Right-to-Know: Background and Opportunities for Action in British Columbia”, Fall.
- Directed studies: HSCI 893 Hannah Moffat, “Municipal climate change adaptation”, Fall.
- Directed research: HSCI 489 Huan Shu, “The problems and their solutions discovered during the Directed Research in Health Science Course”, Fall.
- 2009 “Climate change and health: Infectious diseases”, Class: HSCI 212, (Simon Fraser University) Spring.
- “Home environmental interventions and childhood asthma”, HSCI 394, (Simon Fraser University) Spring.
- “Global environmental change and health”, Class: HSCI 304, (Simon Fraser University) Fall.
- 2010 “Susceptibility factors in occupational illness: The beryllium model”, lecture in OCCH 511 (UBC) Spring.
- “Gene-environment interactions in beryllium disease: Is it relevant for BC?” Am.Ind. Hygiene Assoc. BC –Yukon Chpt Annual Meeting. Vancouver. Mar 2010.
- “Home environmental interventions and childhood asthma”, HSCI 394, (Simon Fraser University) Spring.
- “Global environmental change and health”, Class: HSCI 304, (Simon Fraser University) Fall.

2011 “Susceptibility factors in occupational illness: The beryllium model”, lecture in OCCH 511 (UBC) Spring.

“Home environmental interventions and childhood asthma”, HSCI 394, (Simon Fraser University) Spring.

“Global environmental change and health”, Class: HSCI 304, (Simon Fraser University) Fall.

### **Graduate Student Thesis Committee Member or Chair**

1999 Arnold Bunyarviroch, MD. “The Relative Influence of Hearing Impairment Determination Parameters”, MPH (University of Washington).

Sanders Chai, MD. “Perceptions on Pediatric Environmental Health: A needs assessment survey questionnaire”, MPH (University of Washington).

2000 Jiho Huang, MD. (Chair) “Assessing the relationship between ER visits for childhood asthma and proximity of residence to vehicular traffic”, MPH (University of Washington)

2002 Leah Mickelson, (Chair) “Comparison between fungal exposure methods of ergosterol concentrations and viable fungal spore counts vs. questionnaire based exposure assessments”, MPH (University of Washington)

2004 Teresa Lynn Cooper, RN. “Factors affecting worker compensation claims acceptance for asbestos related disease in former Hanford workers”. MPH (University of Washington)

Austin Sumner, (Chair) “Is There an Association between Glutathione S-Transferase M1 Deletion and the Severity of Asbestos Related Lung Disease. MPH (University of Washington)

2005 Stephen Hunt, (Chair) “Health Consequences of Incarceration as a Prisoner of War”. MPH (University of Washington).

Kayleen Williams, “Community asthma survey and genetics”. MPH (University of Washington)

2006 Member of following committees for Practicum Final Paper:

Zhang, Tingting	M.Sc.	Trends of Anticonvulsants Used by British Columbia Children 1997 to 2004
Brandson, Eirikka	M.Sc.	African Refugee Resettlement in Vancouver and HIV Infection
Gaspar, Steve	M.Sc.	Is MRSA surveillance conducted in BC?
Hally, Susan	M.Sc.	A Pilot Implementation of “Do Bugs Need Drugs?”

Hussein, Zahra	M.Sc.	Teacher Preparedness for Health Education Instruction in Surrey Public School Classrooms
Jivani, Khairun	M.Sc.	Evaluation of a Daily Oral Hygiene Education Initiative for Elderly Long Term Care Residents at Langara Residential Care Facility
Kuruppuarachchi, Deepika	M.Sc.	Breast Cancer Survival Rates Among BC Indo-Canadian Women for the Period 1980-1999
Marie-Claude Lavoie	M.Sc.	Incorporating young students voices into the 'Roots of Empathy' evaluation program
Price, Alex	M.Sc.	Clinical and Pharmaceutical Care Education in Latin America
Rebman, Rachelle	M.Sc.	Non-profit organizations delivering health care: executive director's experiences, opinions, and needs
Riyazi, Katayoon	M.Sc.	Measuring Health Literacy among Newcomer Parents in the Greater Vancouver Area (GVA)
Tu, Andrew	M.Sc.	Prevalence and Incidence of the Hepatitis C Virus (HCV) in Dialysis Units in British Columbia
Van Borek, Natasha	M.Sc.	Mexican Women and their Vulnerability to HIV/AIDS and STIs

2007 Sasha Uhlmann, (Chair) "Associating reportable communicable diseases With drinking water source and type. MSc.PPH (Simon Fraser University)

Allen Haddrell, (External) "Developing and in vitro methodology to study the inflammation potential of ambient particle types" PhD (chemistry). Simon Fraser University

2008 Lesley Johnston, (Committee member) "Mining Mongolia Resource Access, Climate change and Vulnerability on the steppes". MScPPH. Thesis. Simon Fraser University.

Jennifer O'Niel, (Committee member) "The 10/90 gap and deficient research coordination in developing countries: Case study of Mongolia and Mozambique" MScPPH. Capstone. Simon Fraser University.

Breann Specht, (External) "Integrating health objectives into the urban planning process: Silverdale study". MScPPH. Capstone. Simon Fraser University.

Andrea Feigel, (External) "An Assessment of Evaluation and Reporting Practices in the Implementation of the Integrated Management of Childhood Illness Programme in Latin American Countries". MScPPH. Capstone. Simon Fraser University.

Rachel McKay (External) "Breast Cancer Screening in BC: Implication of diagnostic trajectories". MScPPH. Capstone. Simon Fraser University.

Gary Mallach (Chair) "Perspectives on methyl mercury exposure locally, nationally and globally". MScPPH. Capstone. Simon Fraser University.

- 2009 Hannah Moffatt (Chair) “Communities adapting to climate change: Emerging public health strategies”. MScPPH. Capstone. Simon Fraser University.
- Kyle Danielson (Chair) “Improving trauma care in BC using early activation of helicopter emergency medical services”. MPH Capstone. Simon Fraser University.
- Nastaran Mohammadi (committee member) “Public health costs of electricity shortage: A Ghanaian case study”. MPH Capstone. Simon Fraser University.
- Midori Cortese (committee member) Asbestosis and general health among migrant shipbreakers from northern Bangladesh. MSc. Thesis. UBC –Sch. Env. Health.
- 2010 Sherri Wiebe (committee member) “Community based rehabilitation: A role in regions of conflict and as a contributor to peace?”. MPH Capstone, SFU.
- Michelle Rand (committee member) “Artisanal mining and the determinants of health: A global literature review”. MPH Capstone, SFU.
- Jonathan Yasayko (committee member) “Attacks on transit drivers as a function of ambient temperature”. MA Thesis, School of Criminology, SFU.
- Lynn Mawunganidze (supervisor) “The links between disasters, relief, rehabilitation and development”. MPH Capstone. Simon Fraser University.
- Rebecca Harry (supervisor) “Adapting responsibilities: An ethical analysis of the U.N. framework convention on climate change. MPH Capstone. Simon Fraser University.
- Asim Farooq (chair) “Food security and stunting in children under five in the developing world”. MPH Capstone, Simon Fraser University.
- 2011 Amber Backwell (supervisor) “Climate change and food security among the Inuit of Northern Canada. MPH Capstone. Simon Fraser University.
- Jason Curran (committee) “An assessment of hopanes in settled dust and air as indicators of exposure to traffic-related air pollution in Windsor, Ontario”. MSc. Thesis. Simon Fraser University.
- Natalie Martin (supervisor) “Climate change and health in small island nations”. MPH Capstone. Simon Fraser University.
- Navina Kumar (supervisor) “Kicking the habit: Recommendations to improve youth smoking cessation interventions in British Columbia. MPH Capstone. Simon Fraser University.

- Ofer Amram (external) “A web-based model to support triage location allocation in mass casualty situations”. MSc. Thesis. Faculty of Environment, Simon Fraser University.
- Osayimwense Ogieva (committee) “Asthma risk from swimming pool exposure in early life”. MPH Capstone. Simon Fraser University.
- Sally McBride (committee) “Mainstreaming for resilience: Challenges and opportunities to address disaster-related food insecurity in small island developing states”. MPH capstone. Simon Fraser University.
- 2012 Yu Uchida (supervisor) “Risk communication in occupational health: Promoting screening for chronic beryllium disease”. MSc. Masters Thesis. Simon Fraser University.
- 2013 Kathleen McLean (supervisor) “Comparison of questionnaire responses with biomarkers of environmental tobacco smoke exposure in a Canadian birth cohort at three months of age”. MPH Capstone. Simon Fraser University
- Susann Camus (committee). “The Rise and Fall of the Occupational Health and Safety Agency for Healthcare (OHSAH) in British Columbia, 1999 – 2010 MPH Thesis Simon Fraser University
- Gordon (Lee) Grenon (committee) “Persistent organic pollutants and type 2 diabetes mellitus”. MSc. Thesis. Simon Fraser University
- Linda Kirste (supervisor) “Atopic disease prevention — A research schema for evaluating skin barrier protection and phthalate exposure reduction MPH capstone. Simon Fraser University.
- 2014 Onyinye Adibe (supervisor) “What factors account for variable universal coverage levels among HIV/AIDS High Impact Countries?” MPH capstone. Simon Fraser University.
- Grace Higgins (second reader) “Strategies for Increasing Equity of Access to Water for Domestic Use in Low and Middle Income Countries: A Review”. MPH Capstone. Simon Fraser University
- Karen Spring (external) “Understanding the Limitations of Employer Prevention Programs in Transnational Settings: A Case Study of Women Workers in Canadian-Owned *Maquiladoras* in Honduras. MPH Thesis. Simon Fraser University.
- Tsogtbaatar Byambaa, MD, MSc. (committee member), “The adoption of Health Impact Assessments in the Mongolian mining sector: A case study of the diffusion of policy innovation”. PhD Thesis. Simon Fraser University.



### **Other graduate Student Mentorship**

- 2013 Jordan Brubacher, B.S. (chair) Pacific Institute for Climate Solutions Fellowship. “Associations between biogeoclimatic zones, land use, geology and acute gastrointestinal illnesses in British Columbia from 1993-2013 and potential implications with climate change”. (MSc. Candidate, start June 2013)
- 2012 Lindsay Galway, MPH. (chair) CIHR Banting award. “The climate change, water, and health nexus” (PhD. candidate, start Sept. 2011)
- 2003 Oscar Zepeda, MD. (Chair) “Quality of life indicators and Hanford radiation exposures”, Independent Study for Medical Students. (M.D. candidate)

### **Undergraduate Student Mentorship**

- 2013-14 Sally Maquet, (chair) “Differences in pesticide exposure by region and socio-economic status among CHILd Study members”. Faculty of Health Sciences Undergraduate Honours Research Thesis. (B.S. Hon. candidate)
- 2001 Amanda Gonzales, BA. (Chair) “Children at Risk for Chronic Beryllium Disease”, Undergraduate Program on the Environment Capstone.

### **Invited Lectures and Symposium Including Continuing Education**

- 1984 “The American physician and political action towards the prevention of nuclear war International Physicians for the Prevention of Nuclear War (IPPNW), Fourth Congress. Helsinki, Finland.
- 1987 “Health care in war-torn Nicaragua”, University of North Carolina Dept. of Medicine Grand Rounds.. Chapel Hill, NC.
- 1989 “Report of Nicaraguan health workers kidnapped by the contra”, U.S. House of Representatives Whip Task Force on Central America, Washington, DC.
- Abuses of medical neutrality by the contras in Nicaragua”, American Public Health Association (APHA) Chicago, IL.
- 1991 “Global destabilization by underdevelopment”, IPPNW Tenth International Congress., Stockholm, Sweden
- “The occupational health history and the epidemiology of occupational illness in Oregon”, Oregon Health Sciences University, Portland, OR.
- “The occupational health history and the epidemiology of occupational illness in Oregon”, Emanuel Health Center, Portland, OR.

1992 “The Oregon Health Plan does not meet access needs or adequately contain costs”, American Speech, Language and Hearing Association Annual National Meeting, Coeur d'Alene, ID.

“Militarism as a barrier to health care: Case studies of the Philippines, Nicaragua and Inner-City U.S., APHA Annual National Meeting, Washington, DC.

1994 “Measures to control urban carbon dioxide production: a response to global warming”, University of British Columbia and University of Washington Joint Occupational and Environmental Health Conference, Semiahmoo, WA

“Effects of political conflict on health in Guatemala and Nicaragua”, University of Iowa Center for International and Comparative Studies Conference on Refugee Health, Iowa City, IA.

1995 “Glycophorin A on the erythrocyte membrane as a marker for pesticide exposure”, American Occupational Health Conference, Las Vegas, NV.

“How to talk to your doctor about work-related illness and injury”, Oregon Pulp and Paper Workers’ Safety and Health Conference, Newport, OR.

1996 “Site Specific Advisory Board at USDOE’s Hanford site: An example of public involvement in environmental decisions”, National Academy of Sciences, Institute of Medicine, Committee on Environmental Justice, Spokane, WA.

“The National Equity Dialogue as a vehicle for nuclear materials disposition”, International Physicians for the Prevention of Nuclear War, International Conference, Worcester, MA

1997 “Medical surveillance of current and former workers at Hanford”, Northwest Occupational Health Conference, Spokane, WA.

1998 “Public involvement in nuclear materials disposition”, Physicians for Social Responsibility National Meeting, Washington, DC.

“Beryllium Bio-markers of exposure, susceptibility and effect”, American Conference on Occupational Health. Boston, MA.

1999 “Medical surveillance for Hazardous Materials Workers”, American College of Occupational and Environmental Medicine Annual Meeting, New Orleans, LA.

2000 “Regional Health Effects of Climate Change”, Washington Public Health Association Annual meeting. Tacoma, WA.

National Cancer Institute/ CDC Workshop on Radiation Risk Communication, panel participant. Washington, DC.

“Latent Disease Findings in Former Hanford Workers”, Northwest Occupational Health Conference. Pasco, WA.

- “Environmental Health for Reporters – Implications of genetic testing in the workplace”, NW Center for Occ. Health & Safety CE Course. Seattle.
- “Epidemiologic and clinical aspects of chronic beryllium disease in the Hanford workforce”, UW Pulmonary-Critical Care Division Conference
- “Biomarkers of beryllium disease: Model for immunologically mediated occupational disease UC-Irvine Occ. Med. Grand Rounds.
- “Inflammatory and Immunologic pulmonary response in beryllium disease”, Fred Hutchinson Cancer Ctr. Public Health Grand Rounds.
- “Using the sentinel case approach for beryllium exposure assessment”, University of Iowa Occupational Medicine Grand Rounds.
- 2001 “Beryllium Risk Density Mapping at Hanford”, University of British Columbia and University of Washington Joint Occupational and Environmental Health Conference Semiahmoo, WA.
- “USDOE Former Worker Surveillance”, NIOSH Workplace Surveillance - State of the Art Workshop, Cincinnati, OH.
- “A comparison of hazard based assignment with administrative assignment to medical surveillance programs at a large nuclear weapons clean-up site”, NIOSH Workplace Surveillance – State of the Art Workshop, Cincinnati, OH.
- “Latent Disease Findings in Former Hanford Workers”, American Public Health Assoc. Annual Meeting, Washington, DC.
- Environmental Health for Reporters – Implications of genetic testing in the workplace”, NW Center for Occ. Health & Safety CE Course. Seattle.
- 2002 “Seattle Healthy Homes Project preliminary results” HUD Healthy Homes Annual Meeting, Cincinnati, OH.
- “Asbestos and radiation as combined exposures in pulmonary fibrosis Univ. Montana, Asbestos Research Conf. Missoula, MT.
- “Beryllium Disease”, Am. Coll. Occ. Env. Med. – State of the Art Conf., Seattle, WA. and member of Conference Planning Committee.
- “Health effects in USDOE workers”, Int. Phys. Prevention of Nuclear War – Intl. Congress. Wash. DC.
- “Evidence for Mold and Moisture as a Risk Factor in Asthma”, Puget Sound Asthma and Allergy Society, Seattle, WA.

- 2003 “Inhalation Toxicology”, NW Center for Occ. Health & Safety CE Course. Seattle, WA.
- “Healthy Homes Exposure Assessment”, National Asthma Meeting. Washington, DC.
- “Science behind mold-related injury”, WA. Bar Assoc. Seattle, WA.
- “Understanding the Human Genome, Ethical Challenges for Public Health Policy”.CE Course, NW Center for Occ. Health & Safety, Seattle, WA.
- 2004 “Combined effects of asbestos and radiation in pulmonary fibrosis”, Chest Annual Conference, Seattle, WA.
- 2005 “Alternative Lymphocyte Proliferation Tests: BrdU and Flow Cytometry Based Tests”, International Beryllium Conf. 2005. Montreal, Que.
- “Physician’s Perspective on Risk Communication for Beryllium Exposed Workers”, International Beryllium Conf. 2005. Montreal, Que.
- “Home Environmental Interventions in Childhood Asthma: The Seattle King County Healthy Homes Projects”, Fungi in Indoor Environments: Towards Strategies for Living in Healthy Buildings, Utrecht, Holland.
- “Occupational illness in workers at the largest nuclear and chemical waste site the U.S.”, International Environmental Health Conf. Amman, Jordan.
- 2006 “Why Build ‘Breathe Easy Homes’ for asthmatic children? Green Building Expo Seattle, WA.
- “Chronic Beryllium Disease: A Model for Gene/ Environment Interaction” UBC, School of Occupational and Environmental Hygiene. Vancouver, BC.
- “Home Environmental Interventions in Childhood Asthma: Seattle projects provide a spectrum of intensities”, Univ. Alberta Dept Occupational and Environmental Health. Edmonton, Alta.
- 2007 Effectiveness of home interventions to reduce asthma morbidity in low-income children. AllerGen Annual Meeting. Hamilton, ON. Feb 2007.
- Civilian Casualties in Modern War and Issues of Measurement. 5<sup>th</sup> Annual Western Regional Health Conf. Seattle, WA. Feb. 2007.
- Chronic Beryllium Disease: Not Yet Seen in B.C.? Respiratory Research Conf. St. Paul’s Hospital, Vancouver, BC. Oct. 2007.
- Should the beryllium lymphocyte proliferation test be used to screen for beryllium disease? 3rd International Beryllium Conference. Philadelphia, PA. Oct. 2007.

- Home interventions in childhood asthma: What is that works? BC Society of Allergy and Immunology Annual Meeting. Ucluelet, BC. Nov. 2007.
- Mold and airways disease: From home to the workplace BC Society of Allergy and Immunology Annual Meeting. Ucluelet, BC. Nov. 2007.
- 2008 Beryllium Disease in BC? UBC Lung Research and Health Policy Day. Vancouver, BC. Mar. 2008.
- Housing and Health. World Health Day Celebration, Alliance for People's Health. Apr 2008.
- Global disparities in vulnerability from climate change. 6<sup>th</sup> Annual Western Regional Conference on International Health. Vancouver, BC. May 2008.
- Takaro, TK. Gene-environment interactions in beryllium disease: Is it relevant for BC? BC Society of Allergy and Immunology Annual Meeting. Parksville, BC. Sep. 2008.
- 2009
- Takaro TK, Allen R, Rousseau R, Brauer M, Scott J, Brook J and Turvey SE. Potential sources of phthalate exposure in a Vancouver birth cohort at three months of age. Int. Soc. for Env. Epid. Annual Meeting, Dublin, Ireland. Aug. 2009.
- Takaro TK. Role of environmental mould in respiratory disease. Dept. Medicine Grand Rounds. St. Paul's Hospital. Vancouver, BC. Oct. 2009.
- Takaro TK and Spiegel J. Climate change and global ecosystem restructuring: Taking stock, taking action. UBC Medical Students for the Environment and Global Health Office. Vancouver, BC. Nov. 2009.
- 2010
- Takaro TK, Allen, R, Rousseau R, Brauer M, Scott J, Subbarao PJ, Kollmann T and Turvey SE. Environmental assessment of home environment in mini-CHILD participants. AllerGen 5<sup>th</sup> Annual research Conference. Quebec City Feb. 2010.
- Takaro TK. Environmental Carcinogens in South Iraq: Evidence from Exposure Studies of Western Iraq War Veterans. 8<sup>th</sup> Annual W. Reg. Int. Hlth Conf, War and Public Health. Seattle, WA. May 2010.
- Takaro TK, McLeod C, Xu F, Koehoorn M, Demers P. Sarcoidosis cases in workers from British Columbian industries with potential beryllium exposure. Am. J. Respir. Crit. Care Med. 118: A1739. 2010. (poster abstract)

Takaro TK, McLeod C, Xu F, Koehoorn M, Demers P. Sarcoidosis cases in workers from British Columbian industries with potential beryllium exposure: A pilot study. Can. Assoc. Res. on Worker Health, Toronto, May, 2010.

Takaro TK. Environmental exposures in Genomics. CIHR Institute for Genetics, BOD meeting, Vancouver, BC. June 2010.

2011

Takaro TK. Chemical exposures in BC workers. Plenary speaker: BC Federation of Labour. Vancouver. Feb 2011.

Takaro TK, Brook J, Allen, R, Rousseau R, Brauer M, Scott J, Subbarao PJ, Kollmann T and Turvey SE. Start making Sense: Environmental data in CHILD. AllerGen annual meeting, Vancouver. Feb. 2011

Takaro TK and Brauer M. Pacific Institute for Climate Solutions presents, Public Health and Climate Change. Local and global challenges for public health: Water resources and disease in a world of shifting populations. UBC Robson Centre, Vancouver. Mar 2011.

Sixsmith A, Cohen S, Berry P, Stone J, Takaro TK (session moderator). Global warming and population aging: Defining the problems. Think tank on growing old in a changing climate, Vancouver. May 2011.

Takaro TK. Embedding research in program delivery (panelist and moderator). Fraser Health Authority Research Week. Surrey. June 2011.

2012

Takaro TK. Using CHILD for exploration of common pathways of multiple exposures. AllerGen Annual Meeting. Toronto, ON. Feb 2012.

2013

Takaro TK, Galway LP and Allen D. Water resources in a changing climate: Gastrointestinal illness as a sentinel for water quality. 16<sup>th</sup> Annual Punjab Science Congress, Faridkot, Punjab, India. Feb 2013.

Takaro TK. Environmental interventions in childhood asthma. 16<sup>th</sup> Annual Punjab Science Congress, Faridkot, Punjab, India. Feb 2013.

Takaro TK. Facing climate change in rural Nicaragua by evaluating and building water resource resilience. UBC SPPH Env. Health Seminar. UBC SPPH seminar Nov. 2013.

2014

Takaro TK. UBC/UW/SFU/UVic Annual Public Health Conference. Semiahmoo, WA. Jan. 2014.

Takaro TK. Rethinking the region: Regional health perspective. Second Annual Urban Studies workshop. Surrey, BC Mar. 2014

Takaro TK. Potential health effects of climate change in BC. Cool Northshore community presentation. Nov. 2014.

2015

Takaro TK. Past and future steps to stop fossil fuel export and their public health consequences from the Pac NW: The view from BC. UBC/UW/SFU/UVic Annual Public Health Conference. Semiahmoo, WA. Jan. 2015.

### **PROFESSIONAL ORGANIZATIONS:**

- Occupational and Environmental Medicine Association of Canada (2010-present)
- Canadian Association for Research on Work and Health (2009-present)
- Canadian Coalition for Global Health Research (2009-present)
- Global Health Council (2008-present)
- International Society for Children's Health and the Environment – founding member (2007-present)
- BC Society of Allergy and Immunology (2007-present)
- AllerGen National Center of Excellence Co-Investigator (2006-present)
- Canadian/BC Public Health Association (2005-present)
- BC Occupational Environmental Health Research Network, Board of Directors (2006-2009)
- American Thoracic Society (2000-present)
- Society of Occupational and Environmental Health (May 1995-2005)
- American College of Occupational and Environmental Medicine (from Dec. 1993-present)
- Northwest Association of Occupational and Environmental Medicine (1993-2005)
- American Academy for the Advancement of Science (1995-present)
- American Public Health Association, Occupational Safety and Health Section (1983-present)
- International Physicians for the Prevention of Nuclear War/ Physicians for Social Responsibility (1981-present)

### **SPECIAL INTERNATIONAL, NATIONAL AND LOCAL RESPONSIBILITIES:**

- International Society of Environmental Epidemiology, Climate Change Track Co-Chair, Local Organizing Comm. Annual Meeting, Seattle, 2014.
- U.S. Climate and Health Alliance, Co-chair of International working group.

- Chair, Climate Change and Health Policy Group. British Columbia, Canada. Nov. 2013-present
- Reviewer for Natural Resource Council, Climate Change Impacts and Adaptation Division of Canada, National Climate Change Adaptation Report 2013, Chapter on human health. Dec. 2012.
- International Joint Commission on border waters, Health Professionals Advisory Committee 2012-present. Canadian Co-Chair as of Oct 2014
- Occupational and Environmental Medicine Association of Canada, organizing committee for annual conference. Vancouver Oct. 2012.
- Continuing Medical Education Conference, “The Fukushima nuclear disaster one year later: A day of inquiry on local and global health, environmental and economic consequences”. Chair of the organizing committee for this jointly sponsored international conference (Canada, Japan, USA). Vancouver Mar. 2012.
- Fraser River Keeper, River Watcher, New Westminster, BC. 2011- present.
- Pacific Institute for Climate Solutions, Program Committee 2011- present.
- American Thoracic Society, Environmental Policy Committee, 2011-present, and Environmental and Occupational Health Assembly Program Committee 2010-2011.
- SFU first annual Health Research Day. Chair of organizing committee 2011.
- City of Vancouver Clean Water Advisory Panel, 2010.
- Organizing committee, Summit on healthcare sustainability, Fraser Health Authority, Sept. 2010-Dec. 2011.
- Search committee, Fraser Health Authority, Sept –Dec. 2010
- Board of Directors, Asbestos Research, Education and Advocacy Fund. May 2010-present
- External reviewer, Health Canada Extreme Heat Guidelines – Technical Guide for Health Care Workers. 2010.
- Canadian Public Health Association Policy Review Group, Working Group on Asbestos. Dec. 2009- Mar. 2010
- CAREX Canada (<http://www.carexcanada.ca/>) Indoor Air Science Advisory Committee July 2009 - present
- Climate Change and Health grant review panel. NIH/CDC, June 2009
- Developing Research Opportunities Around the 2010 Games: Focus on Public Health and Environmental Sustainability B.C. Environmental and Occupational Health Research Network. Chair of organizing comm. Moderator. May 2009
- Climate Change and Health in Rural and Remote British Columbia. BC Rural and Remote Health Res. Network. Organizing Comm. and Moderator. June 2009
- Training Grants review Panel, Canadian Institute for Health Res. Feb.- Mar. 2009
- External reviewer for RCT Committee, Canadian Institute for Health Res. Nov. – Dec. 2008.
- Reviewer of report, "Managing health effects of beryllium exposure", National Research Council, National Academies of Science, Washington, DC. April 2008 - September 2008.
- External reviewer for P & T, University of Ottawa, December 2007 - January 2008.
- U.S. Centers for Disease Control and National Center for Healthy Housing Expert Panel on Healthy Housing, Nov. 2007- Feb. 2010



- B.C. Environmental and Occupational Health Research Network Board Member Nov. 2006-2010
- American Thoracic Society Member: Chronic Beryllium Disease Consensus Statement. May 2005-present
- National Institute of Occupational Health and Safety Physician panel for review of U.S. Department of Energy Workers' Compensation claims July 2001- 2005
- American College of Occupational and Environmental Medicine State-of-the-Art Conference Organizing Comm. 2001
- Northwest Association for Occupational and Environmental Medicine Board of Directors Oct. 1997-2006
- Hanford Health of the Site Annual Meeting, Chair of Organizing Committee, 1997-1999
- Physicians for Social Responsibility National Board Member-at-Large, 1994-97.
- Washington Physicians for Social Responsibility Board of Directors, 1993-2005
  - Chair of Hanford Task Force
- Hanford Advisory Board, Alternate to Regional Public Health Seat, Past Vice-chair Health, Safety and Environmental Protection Committee, Jan. 1994-Mar. 1996 and May 2002-2005.
- Alternate to Regional University Seat, Mar. 1996-1999,
- Regional University Seat, Mar. 1999- 2005
- Amchitka Workers Medical Screening Program, Medical Advisor Oct. 1999 – 2003
- Bremerton Navel Shipyard Restoration Advisory Board Regional Public Health Seat, Mar. 1995-1999
- Department of Energy Working Group on Medical Evaluations for Former Workers. Germantown, MD. May 1995.
- Agency for Toxic Substances and Disease Registry (ATSDR) Advisory Committee on Medical Monitoring at Hanford. Seattle, WA. Nov. 1995.
- Journal reviewer for Am. J. Public Health, Env. Health Perspectives, Am J. Industrial Med, BMC Public Health, International J. Occ. Env. Med., Respiratory Care, J. Occ. Env. Hygiene and Neurotoxicology, Northwest Public Health, Global Environmental Change, Risk Analysis, Can J. Water Res.

## **BIBLIOGRAPHY:**

### **Peer Reviewed Publications of Original Work**

1. D'Eustacio P, Bothwell A, **Takaro TK**, Baltimore D, and Ruddle FH. Chromosomal location of structural gene encoding murine immunoglobulin light chains. Journal of Experimental Medicine, 153:793, 1981.
2. Kilburn K, Warshaw R, Boylen CT, Johnson S, Seidman B, Sinclair R, and **Takaro TK**. Pulmonary and neurobehavioral effects of formaldehyde exposure. Archives of Environmental Health, 40:254, 1985.
3. **Takaro TK** and Coodley GO. Pentoxifylline for ischemic pain in pseudoxanthoma elasticum. Western Journal of Medicine 159:689-690, 1993.

4. **Takaro TK** and Osborne ML. Physician efforts to reduce global warming: Participation in a municipal carbon dioxide reduction program. Medicine and Global Survival 2:56-57, 1995.
5. Boiko PE and **Takaro TK**. The fourth party to the Tri-Party Agreement: Public involvement. Ilahee 11:100-108, 1996.
6. Ponce RA, Bartell SM, Lee RC, Kavanagh TJ, **Takaro TK** and Faustman EM. Uncertainty analysis methods for comparing predictive models and biomarkers: A case study of dietary methyl mercury exposure. J.Regulatory Toxicology and Pharmacology , 28: 96-105, 1998.
7. Pappas GP, **Takaro TK**, Stover B, Beaudet N, Salazar M, Calcagni J, Shoop D and Barnhart S. Medical clearance for respirator use: Sensitivity and specificity of a self-administered questionnaire. Am. J. Ind. Med. 35:390-394, 1999.
8. Pappas GP, **Takaro TK**, Stover B, Beaudet N, Salazar M, Calcagni J, Shoop D and Barnhart S. Personal protective respirators: Rates of medical clearance and causes for work restrictions. . Am. J. Ind. Med. 35:395-400, 1999.
9. Salazar MK, **Takaro TK**, Ertell K, O'Neill S, Connon C, Gochfeld M and Barnhart S. Structure and function of occupational health services within selected Department of Energy sites. J. Occ. & Env. Med. 41: 1072-1078, 1999.
10. Salazar MK, **Takaro TK**, Connon C, Ertell K, Pappas GP and Barnhart S. A description of factors affecting hazardous waste workers' use of respiratory protective equipment. Applied Occupational and Environmental Hygiene 14: 470-478, 1999.
11. **Takaro TK**, Arroyo MG, Brown GD, Brumis SG and Knight EB. Community-based survey of maquiladora workers in Tijuana and Tecate, Mexico. International J. Occ. & Env. Health 5: 313-315, 1999.
12. Bartell SM, Ponce RA, **Takaro TK**, Zerbe RO, Omenn GS, and Faustman EM. Risk Estimation and Value-of-Information Analysis for three proposed genetic screening Programs for Chronic beryllium disease prevention. Risk Analysis 20:87-99, 2000.
13. Bartell SM, **Takaro TK**, Ponce RA, Hill JP, Faustman EM, and Omenn GS. Risk Assessment and Screening Strategies for Beryllium Exposure. Technology 7: 241-249, 2000.
14. Krieger JW, Song L, **Takaro TK** and Stout J. Asthma and the Home Environment of Low-Income, Urban Children Preliminary findings from the Seattle-King County Healthy Homes Project. J.Urban Health 77: 50-67, 2000.
15. **Takaro TK**, Ertell K, Salazar M, Beaudet N, Stover B, Hagopian A and Barnhart S. The Structure, Function and Finance of Occupational Health and Safety Services at Hanford. J. Healthcare Quality 22: 29-37, 2000.

16. Chai S, Robertson WO, **Takaro TK**, Beaudet N, Simpson L and Barnhart S. Perceptions on Pediatric Environmental Health: A needs assessment survey questionnaire. Int. J. Occ. & Env. Med. 7: 37-43, 2001.
17. Salazar MK, Connon C, **Takaro TK**, Beaudet N and Barnhart S. An evaluation of factors affecting hazardous waste workers' use of respiratory protective equipment. American Industrial Hygiene Association J. 62:236-45, 2001.
18. Hai DN, Chai SK, Chien VC, Keifer M, **Takaro TK**, Yu J, Son PH, Trung LV and Barnhart S. An occupational risk survey of a refractory brick company in Ha Noi, Viet Nam. Int. J. Occ. Env. Med. 7: 195-200, 2001.
19. Rosato MT, Jabbour AJ, Ponce RA, Kavanagh TJ, **Takaro TK**, Hill JP, Poot M, Rabinovitch PS and Faustman EM. Simultaneous analysis of surface marker expression and cell cycle progression in human peripheral blood mononuclear cells. J. Immunol. Meth. 256:35-46, 2001.
20. Krieger JW, **Takaro TK**, Allen C, Song L, Weaver M, Chai S and Dicky P. The Seattle-King Co. Healthy Homes Project: A comprehensive approach to evaluating and improving indoor environmental quality for low-income children with asthma. Env. Health Perspectives 110 (S-2):311-322, 2002.
21. Chien VC, Chai SK, Hai DN, **Takaro TK**, Checkoway H, Keifer M, Son PH, Trung LV and Barnhart S. Pneumoconiosis among Workers in a Vietnamese Refractory Brick Facility. Am. J. Ind. Med. 42:397-402, 2002.
22. Salazar MK, **Takaro TK**, Gochfeld M and Barnhart S. An evaluation of occupational health and safety services at ten US Department of Energy weapons sites. Am. J. Ind. Med. 43: 418-428, 2003.
23. Nga NN, Chai SK, Bihn TT, Redding G, **Takaro TK**, Checkoway H, Son PH, Van DK, Keifer M, Trung LV and Barnhart S. ISAAC-based asthma and atopic symptoms among Ha Noi school children. Ped. Allerg. Immun. 14: 272-279, 2003.
24. Daniell WE, Stover BD and **Takaro TK**. Comparison of criteria for significant threshold shift in workplace hearing conservation programs. J. Occ. Env. Med. 45:295-304, 2003.
25. Drew CH, Grace DA, Silbernagel SM, Hemmings ES, Smith A, Griffith WC, **Takaro TK** and Faustman EM. Nuclear Waste Transportation: Case Studies Identifying Stakeholder Risk Information Needs. Env. Health Persp. 111:263-72, 2003.
26. **Takaro TK**, Krieger JW, and Song L. Effect of environmental interventions to reduce asthma triggers in homes of low-income children in Seattle. J. Exp. Analy. Env. Epid. 14: Suppl 1:S133-43, 2004.

27. Judd N, Griffith W, **Takaro TK** and Faustman EM. A Model for Optimization of Biomarker Testing Frequency to Minimize Disease and Cost: Example of Beryllium Sensitization Testing. Risk Analysis **23**: 1211-1220, 2004.
28. Chai SK, Nga N, Checkoway H, **Takaro TK**, Van D, Redding G, Keifer M, Son PH, Binh T, Trung LV and Barnhart S. Comparison of local risk factors for children's atopic symptoms in Hanoi, Vietnam. Allergy **59**: 637-644, 2004.
29. **Takaro TK**, Engel, L, Keifer M, Bigbee W, Kavanagh T and Checkoway H. Glycophorin A: A potential bio-marker for the mutagenic effects of pesticides. Int. J. Occ. & Env. Med. **10**: 256-61, 2004.
30. Welch L, Ringen K, Bingham E. Dement J, **Takaro TK**, McGowan W, Chen A, Quinn P. Screening for beryllium disease among construction trade workers at department of energy nuclear sites. Am. J. Ind. Med. **46**:207-218, 2004.
31. Luderer U, Bushley A, Stover BD, Bremner WJ, Faustman EM, **Takaro TK**, Checkoway H and Brodtkin CA. Effects of Occupational Solvent Exposure on Reproductive Hormone Concentrations and Fecundability in Men. Am. J. Ind. Med. **46**: 614-26, 2004.
32. Krieger JW, **Takaro TK**, Song L and Weaver M. The Seattle-King County Healthy Homes Project: A Randomized, Controlled Trial of a Community Health Worker Intervention to Decrease Exposure to Indoor Asthma Triggers among Low-income Children. Am. J. Public Health, **95**:652-659, 2005.
33. Chai SK, Altman G, Yazdanbakhsh M, Godat L, and **Takaro TK**. Reduced production of the T-cell regulatory cytokines IL10 and TGF- $\beta$  in concomitant allergy and autoimmunity. Ann. Alleg, Asthma and Immunol. **94**:279-285, 2005.
34. Bekris LM, Viernes H, Farin F, Maier L, Kavanagh TJ and **Takaro TK**. Chronic Beryllium Disease and Glutathione Biosynthesis Genes. J. Occ. Env. Med. **48**: 599-606. 2006.
35. Abbotts J, Weems C and **Takaro TK**. Nuclear Waste Disposition and Site Remediation: U.S. Department of Energy, State Governments, and Other Stakeholders. Remediation Journal **17**: 121-134. 2006.
36. Wu F and **Takaro TK**. Childhood Asthma and Environmental Interventions. Env. Health Persp. **115**:971-5. 2007.
37. Abbotts J, **Takaro TK** and Weems C. Formerly Utilized Sites Remedial Action Program "Completed" Sites: Lessons for Long-Term Stewardship. Remediation Journal **18**: 83-96. 2007.
38. Burkle FM, Tapp C, Wilson K, **Takaro TK**, Guyatt GH, Hani A and Mills EJ. Iraq War mortality estimates: a systematic review. Conflict and Health **2**:1 doi:10.1186/1752-1505-2-1. 2008.

39. Hunt S, Orsborn M, Checkoway H, Biggs ML, McFall M, **Takaro TK**. Later Life Disability Status Following Incarceration as a Prisoner of War. Military Medicine 173:613-8. 2008.
40. Krieger JW, **Takaro TK**, Song L, Beaudet N, Edwards K. The Seattle-King County Healthy Homes II Project: A Randomized Controlled Trial of Asthma Self-Management Support Comparing Clinic-Based Nurses and In-Home Community Health Workers. Arch. Pediatr. Adolesc. Med. 163:141-9. 2009.
41. Roberts JW, Wallace LA, Camann DE, Dickey P, Gilbert SG, Lewis RG, **Takaro TK**. Monitoring and Reducing Exposure of Infants to Pollutants in House Dust. Reviews of Environmental Contamination and Toxicology. 201:1-39 DOI 10.1007/978-1-4419-0032-6\_1. 2009.
42. Subbarao PJ, Becker A, Brook J, Daley D, Miller G, Mandhane P, Turvey S, Sears M, and CHILD study investigators. Expert Review in Clinical Immunology 5:77-95. 2009.
43. Uhlman S, Galanis E, **Takaro TK**, Mak S, Gustafson L, Embree G, Bellack N, Corbett, K, Isaac- Renton J. Where's the pump? Associating sporadic enteric disease with drinking water using a Geographic Information System, in British Columbia, Canada, 1996-2005. Water and Health 7:692-698. 2009.
44. Hagopian A, Lafta R, Hassan, J, Davis S, Mirick D and **Takaro TK**. Trends in Childhood Leukemia in Basrah, Iraq (1993-2007). Am J. Pub Health 100: 1081-7. 2010.
45. Ostrow A, Ogborn M, Bassil KL, **Takaro TK** and Allen DM. Climate change and health in British Columbia: Projected impacts and a proposed agenda for adaptation research and policy. Int. J. Env. Res. and Pub. Health 7:1018-1035. 2010.
46. Sandel M, Baeder A, Bradman A, Hughes J, Mitchell C, Shaughnessy R, **Takaro, TK**, Jacobs DE. Housing Interventions and Control of Health-Related Chemical Agents: A Review of the Evidence . Journal of Public Health Management & Practice 16:S24-S33. 2010.
47. Arrandale V, Brauer M, Brook JR, Brunekreef B, Gold D, London S, Miller D, Özkaynak H, Ries N, Sears MR, Silverman F, **Takaro TK**. Exposure assessment in cohort studies of childhood asthma. Env. Health Persp. 119:591-597. 2011.
48. **Takaro TK**, Krieger JW, Song, L, Sharify D and Beaudet N. The Breathe Easy Home: Impact of asthma-friendly home design and construction on asthma clinical outcomes and trigger exposure. Am J. Pub Health 101: 55-62. 2011.

49. Courtice M, Demers P, **Takaro TK**, Vedal S, Ahmed A, Davies H. Asbestos-related disease in Bangladeshi shipbreakers: A pilot study. Int. J. Occ. Env. Health 17:144-153. 2011.
50. Allen RW, Gombojav E, Barkhasragchaa B, Byambaa T, Lkhasuren O, Amram O, **Takaro TK**, Janes CR. An Assessment of Air Pollution and its Attributable Mortality in Ulaanbaatar, Mongolia. Air Qual. Atmos. Health. 6:137-150. 2012.
51. Galway LP, Bell N, Al Shatan SAE, Hagopian A, Burnham G, Flaxman A, Weiss WM, Rajaratnam J, **Takaro TK**. A two-stage cluster sampling method using gridded population data, a GIS, and Google Earth™ imagery in a population-based mortality survey in Iraq. Int. J. Health Geog. 11: 12- epub. 2012.
52. Sanborn M and **Takaro TK**. Recreational water borne illness: Office management and prevention. Can. Family Physician. 59:491-495. 2013.
53. **Takaro TK**, Knowlton K, Balmes JR. Climate change and respiratory health: Current evidence and knowledge gaps. Expert Reviews in Respiratory Medicine 7: 349-61. 2013.
54. Sbihi H, Brook JR, Allen RW, Curran JH, Dell S, Mandhane P, Subbarao P, Sears MR, Turvey SE, Wheeler AJ, Scott J, **Takaro TK**, Brauer M. Hopanes in settled indoor house dust as markers of traffic related air pollution. Environmental Health. 12:48. 2013.
55. Azad MB, Konya T, Maughan H, Guttman DS, Field CJ, Chari RS, Sears MR, Becker AB, Scott JA, Kozyrskyj AL; CHILD Study Investigators. Gut microbiota of healthy Canadian infants: profiles by mode of delivery and infant diet at 4 months. CMAJ. 185: 385-94. 2013.
56. Hagopian A, Flaxman A, **Takaro TK**, Al Shatari SAH, Rajaratnam J, Levin-Rector A, Becker S, Galway LP, Al-Yasseri BJH, Weiss WM, Murray CJ, Burnham G. Mortality in Iraq associated with the 2003-2011 invasion and occupation. PLOS Med. 10:e1001533, 2013.
57. Galway LP, Allen DM, Parks MW, **Takaro TK**. Seasonal variation of acute gastro-intestinal illness by hydroclimatic regime and drinking water source: A retrospective population-based study. Water and Health 12:122-35. 2014.
58. Scott J, Konya T, Koster B, Maughan H, Escobar M, Azad M, Guttman D, Sear MR, Becker AB, Brook JR, **Takaro TK**, Kozyrskyj A. Associations between bacterial communities of house dust and infant gut. Environmental Research 131:25-30. 2014.
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