

UW/ UBC/ SFU/OSU
Annual Conference on Environmental, Occupational, and Population Health
"Evidence to Action"
January 10 – 11, 2019

Thursday January 10

10:00 - 10:30 - Registration (pick up name tags)
10:30 - 10:45 - Welcome (Marissa/Karen)
10:45 - 11:00 - The importance of this symposium for our region (Noah/Chris)
11:00 - 12:00 - David Bates Memorial Lecture
Hilary Godwin, Dean, University of Washington School of Public Health

Blakley/Cypress

Title TBA

12:00 - 12:45 - Buffet Lunch

Blakley/Cypress

12:45 - 1:30 - Panel Discussion

Blakely/Cypress

Chair **Marissa Baker** *How to Translate Evidence to Action: The role of the scientist*
Tim Takaro (SFU) **Laurel Kincl (OSU)** **TBA (UW)** **Peter Berman (UBC)**

1:45 - 3:00 Blakley/Cypress

1:45 - 3:00 Saltspring/Saturna

1:45 - 3:00 Lopez/Pender

Exposure Characterization

Place Matters

Surveillance & Burden Estimates

Chair TBA

Chair Farah Shroff, UBC

Chair Marissa Baker, UW

- Jerry Cangelosi (UW), Chronic Exposure to Microbial Hazards in Cascadia Homes

- Anita Minh (UBC), Social inequalities in young people's depression trajectories: Comparing Canada and the United States

- Cheryl Peters (CancerControl Alberta), Occupational cancer surveillance in Canada: Opportunities for research and practice

- Karen Bartlett (UBC), Measuring worker exposure to bioaerosols in highly contaminated environments

- Mary Willis (OSU), Impact of Traffic-related Air Pollution Regulations on Infant Health Outcomes

- Scott Meschke (UW), Polio Surveillance Methods Development

- Hyoung Frank Ryou (UW), Evaluation of Whole-Body Vibration Exposures among Forklift Operators

- Stephen Bezruchka (UW), Declining health in the United States: What is to be done?

- Pat Camp (UBC), "Bayis Ilh Tus" - A Strong Breath: A Community-Based Research Study to Estimate the Prevalence of COPD in Remote and Rural First Nations Communities in Northern British Columbia

- Marina Zusman (UW), Residential Indoor Exposure Modeling of PM2.5 in the Subpopulations and Intermediate Outcome Measures in COPD (SPIROMICS) Air Study

- Robert MacPherson (UBC), Does region of residence matter for return-to-work after work-related injury? A comparative analysis of six Canadian workers' compensation jurisdictions

-Richard Evoy (OSU), Organophosphate Pesticide Exposure: Analyses of the National Health and Nutrition Examination Surveys (NHANES) 1999-2008

Thursday January 10

3:00 - 3:30 Refreshment and Networking Break - Semiahmoo Prefunction (Posters also available for viewing)

No-host bar open 3:00pm to 8:00pm

3:30 - 6:00 Blakley/Cypress

Ignite Sessions

Chair

Pete Johnson & Noah Seixas

Sponsored by the University of Washington Northwest Center for Occupational Health & Safety

Meant to be an informal session, please feel free to get up for a drink or stretch between presentations

#1 - Marnie Hazlehurst (UW), Assessing children's exposure to nature in a proposed study of greenspace and neurodevelopment.

#2 - Kate Hosford (SFU), Planning for connected cities: Exploring the relationship between social connectedness and urban form

#3 - Federico Andrade-Rivas (UBC), Bananas, roses, shellfish, and crabs: chemical pollution and planetary health in traditional and indigenous communities across the globe

#4 - Kwadwo Boakye (OSU), Time-Activity Patterns and Built Environment Exposures: Is Residential Address Enough?

#5 - Barbara Hudson-Hanley (OSU), Evaluating U.S. Air Policy Effectiveness in Controlling Exposure to Polycyclic Aromatic Hydrocarbons (PAHs)

#6 - Yu Ni (UW), Associations of pre- and postnatal air pollutant exposures and maternal dietary patterns with early childhood blood pressure: Results from the CANDLE study

10 minutes questions for preceding presenters

#7 - Jeanne Sears (UW), Keys to Re-Injury Prevention and Sustained Return-To-Work for Disabled Workers

#8 - Esther Maas (UBC), Healthcare utilization for workers with musculoskeletal disorder in British Columbia, Canada

#9 - Monya De (UW), It's Not Always Carpal Tunnel or Incident At A Winery

#10 - Minal Pachchigar (UBC), Are specific factors of regulatory inspections more effective at improving workplace safety?

#11 - Liu Yan (Cheery) (OSU), Developing a tailored evaluation framework for OSH surveillance systems informed by systematic literature review and experts' opinions

10 minutes questions for preceding presenters

#12 - Jessica Porter (UW), Perception of, and Objective measures of Gendered Stress in Construction

#13 - Patricia Gray (UBC), Promoting mental health and happiness in the healthcare workforce: Overview of an international and interdisciplinary study design

#14 - Erica Chavez Santos (UW/SHARP), A formative analyses on safety and health among janitorial workers in Washington State

#15 - Sian Tsuei (Harvard University), Factors Influencing Lay and Professional Health Workers' Self-efficacy in Identification and Intervention for Alcohol, Tobacco, and Other Substance Use Disorders in Kenya

#16 - Jess Chuang (UW), What is it that you do? – Experimental study assessing how best we can learn about our patients' jobs.

10 minutes questions for preceding presenters

#17 - Orly Stampfer (UW), Assessing Building Infiltration for Wildfire Smoke Response

#18 - Brynne Silvey (UW), Characterization of Occupational Exposure to Airborne Particulate Matter in an Indoor Cannabis Production Facility

#19 - Cheryl Young (UBC), Developing a Risk Index for occupational lung disease acquired in South African Mines

#20 - M.C. Nachtigal (UW), Occupational Classification of Salmonella nad Shiga Toxin E.Coli Cases in Washington State 2005-2016

#21 - Tia Dostal/MC Nachtigal (UW), Keeping a HAWC Eye on Animal Workplace Injuries: The Future Direction of the Health Animal Worker Clinic

10 minutes questions for preceding presenters

6:00 - 7:00 - Poster Session

Blakley/Cypress
Authors Attend Posters from 6:15 to 7:15

See list of posters on Page 4

No Host Bar, Poster Viewing and Pre-Dinner Networking

7:00 - 9:00 - Dinner

Semiahmoo Ballroom

7:45 - 8:45 - Dinner Talk - Jody Pope Title TBA

| Friday January 11 | | |
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| 7:30 - 8:15 - Breakfast <u>Semiahmoo Ballroom</u> | | |
| 8:30 - 10:00 <u>Blakley/Cypress</u> Employment Quality & Health Chair Noah Seixas, UW - Amy Edmonds (UW), Access to Paid Sick Leave in a Longitudinal Sample of Working Adults – Influences on Self-Rated Mental and General Health and Health Care Access - Trevor Peckham (UW), Evaluating Employment Quality as a Determinant of Health in the New Economy - Mieke Koehoorn (UBC), Precarious work associated with precarious social/health benefits - Allyson O'Connor (UW), The Impact of Workplace Harassment on Mental Health and Self-Reported Health in the Working Population - Meagan Brown (UW), Moving Beyond Detection: Understanding Racial/Ethnic Disparities in Workplace Health Promotion Implementation Processes | 8:30 - 10:00 <u>Saltspring/Saturna</u> Environmental Health: From Global to Local Chair Tim Takaro, SFU - Jianbang Xiang (UW), Effects of tightening standards for indoor PM2.5 levels on associated mortalities in urban China: a population-based modelling study - Battsetseg Ulziikhuu (SFU), A randomized controlled trial of prenatal air pollution exposure and childhood neurocognitive development at age 2 - Tim Takaro (SFU), Residential Green Space and Pathways to Term Birth Weight in the Canadian Healthy Infant Longitudinal Development (CHILD) Study - Jordan Brubacher (SFU), Approaches to describing greenness using publicly available data sources - Cecilia Sierra (SFU), Temporal and geographic variation in aeroallergen measurements across four Canadian cities from 2008-2012 | 8:30 - 10:00 <u>Lopez/Pender</u> Programs & Policies Chair Karen Bartlett, UBC - Vivian Tsang (UBC), Occupational Health and Safety Programmes for Artisanal and Small-Scale Gold Mining: A Systematic Review - Stephanie Foster (OSU), Arsenic Drinking Water Violations Decreased Across the United States Following Revision of the Maximum Contaminant Level - Nicholas Reul (LNI), Past and Future Opportunities for University/Public Health regulator collaboration and engagement - Chris McLeod (UBC), What facilitates or prevents return to work in the construction sector? - Farah Shroff (UBC), Are Social Justice Movements Better at Promoting Health than Public Health Institutions? |
| 10:00 - 10:15 - Checkout, Refreshment and Networking Break - <u>Semiahmoo Prefunction</u> | | |
| 10:15 - 11:45 <u>Blakley/Cypress</u> Barriers and Opportunities Chair Anne-Marie Nicol, SFU - Jerry Spiegel (UBC), Enabling factors and barriers to implementing HealthWISE in seven hospitals in Southern Africa - Annalee Yassi (UBC), Addressing HIV- and TB-related stigma using an embodied exercise with health workers in Southern Africa - Prince Adu (UBC), Barriers to tuberculosis prevention among health workers in South Africa: a qualitative study - Avneet Brar/Anne-Marie Nicol (SFU), When greener isn't always better: unintended consequences of energy efficiency initiatives in residential homes - Pat Camp (UBC), Tales of a Researcher Ally: Lung Health Research Partnerships with First Nations Communities in Northern British Columbia | 10:15 - 11:45 <u>Saltspring/Saturna</u> Ag, Forestry, Fishing (Sponsored by PNASH) Chair Edward Kasner, UW - Kori VanDerGeest (UW), Well water testing in agricultural communities: Improving environmental health communication with health behavior theory - Laurel Kincl (OSU), Traumatic Injuries in the Dungeness Crab Fleet: Engaging Fishermen to Prevent Injuries - Kit Galvin (UW), Practical Solutions for Pesticide Safety: Handheld Application Equipment - Viktor Bovbjerg (OSU), Injury Surveillance in High Risk Occupations: The Risk Information System for Commercial Fishing - Edward Kasner (UW), Wind ramping as an indicator of occupational and bystander illness from pesticide drift in Washington State | 10:15 - 11:45 <u>Lopez/Pender</u> Improving Farm Work Resilience to Health Threats through Community-Driven Approaches/Partnerships Mini Symposium This mini-symposium describes a community-led research approach to document challenges that impact health, environmental, and social equity in rural and indigenous agricultural communities in Skagit and Whatcom counties (WA state). This session will include short talks, as well as a panel discussion. Speakers and panelists include: -Rosalinda Guillen (C2C) -Vanessa Galaviz (UW) -Gabrielle Felder (UW) -Maria Blancas (UW) -Lucy Lopez (C2C Promotora) -Jen Krenz (UW) -Gino Aisenberg (UW) -June Spector (UW) |
| 12:00 - 12:30 Closing Session and Student Awards Ceremony - <u>Blakley/Cypress</u> | | |

Thursday January 10

6:00 - 7:00 - Poster Session

Blakley/Cypress

Authors Attend Posters from 6:00 to 7:00

- 1: Annie Doubleday (UW), Wildfire smoke exposure and mortality in Washington State, 2006-2017
- 2: Brynne Silvey (UW), Evaluation of Occupational Exposure to Noise in Aerospace Industry Utilizing "Noise at Work" Software--a Pilot study
- 3: Shirley Ching-Hsuan Huang (UW), Evaluation of the impact of indoor air filtration on particulate matter exposures and blood pressure: a randomized crossover air filtration intervention pilot
- 4: Claire Pendergrast (UW), Exploring the Role of Senior Centers in Building Older Adults' Disaster Resilience
- 5: Esi Nkyekyer (UW), Use and effectiveness of health impact assessment in the energy and natural resources sector in the United States, 2007-2016
- 6: Hyoung Frank Ryou (UW), Evaluation of Whole-Body Vibration Exposure Among Waste Collecting Vehicle Operators
- 7: Idanis Cruz (UW), Evaluation of the Safe with Pesticides App
- 8: Jess Chuang (UW), Title TBD
- 9: Marcy Harrington (UW), Safety Education Materials for Latino Immigrant Forestry Services Workers
- 10: Jannah Amaly (UW), Preventing Heat-Related Illness in Agricultural Workers: An Educational Toolkit for Trainers
- 11: Meagan Brown (UW), Development of a Wellness Committee Implementation Index for Workplace Health Promotion
- 12: Nancy Beaudet (UW), PEHSU: A network of experts on reproductive and children's environmental health
- 13: Nancy Simcox (UW), Translating workplace violence research to practice in Washington and Oregon
- 14: Nesh Gandhe (UW), Seat displacement as an alternative for measuring whole body vibration exposure: a comparison of methods
- 15: Niloufar Ghodsian (UW), Respiratory hazards of exposure to cannabis in workers in an indoor growing facility in Washington
- 16: Rachel Phinney (BSU), Recognizing and reducing safety hazards in northwest potato production
- 17: Meredith Cocks (OSU), Reframing Health- How can assessment frameworks better serve the needs of tribal governments?
- 18: Sigride Asseko (OSU), Challenges of monitoring air quality in Sub-Saharan Africa: A case study in Libreville and Franceville in Gabon.
- 19: John Paul Bigouette (OSU), Assessing Extreme Health and Climate Change in the Global Prospective Urban and Rural Epidemiology Study (PURE)
- 20: Michael Jonasson (UBC), Assessment of Diesel and Noise Exposure among Workers in Mining Equipment Support Shops
- 21: Carly Magee (UBC), Longitudinal associations between perceived quality of living spaces, functional health and health related quality of life among homeless and vulnerably housed individuals in three Canadian cities
- 22: Emily Guy (UBC), Addressing lacunes in occupational hygiene reports received by health Canada's occupational hygiene unit
- 23: Mary Willis (OSU), Global Patterns of Environmental Inequities within the Prospective Urban and Rural Epidemiology Study
- 24: Jianbang Xiang (UW), Comparing different methods for calibration of environmental pollutant monitors
- 25: Marissa Baker (UW), Assessing the burden of occupational exposure in the Pacific Northwest Region of the United States
- 26: Laura Smylie (UBC), Noise Exposure in the British Columbian Forest Industry
- 27: Esther Maas (UBC), Effectiveness and cost-benefit analysis of gradual return to work
- 28: Yuttana Yana (UBC), Respirable crystalline silica and particulate matter exposure assessment at the Vancouver landfill
- 29: Jen Krenz (UW), Indoor and outdoor residential ammonia concentrations in a low-income cohort of children with asthma in an area of intensive agricultural production
- 30: Jen Krenz (UW), Practical aspects for implementing low burden particulate matter samplers in a pediatric cohort asthma intervention study
- 31: Jianbang Xiang (UW), In-situ mobile calibration
- 32: Richard Evoy (OSU), Exposure, Location, and Lung Function (ELF) study: Using an innovative method to evaluate chemical exposure and health effects with location data