

BC Lung Health Forum

The 6th Annual Air Quality & Health Workshop

“From Good Intentions to Proven Interventions: Effectiveness of Actions to Reduce the Health Impacts of Air Pollution”
March 26-27, 2009 • Sheraton Vancouver Wall Centre Hotel • 1088 Burrard Street, Vancouver, BC

REGISTRATION FORM

Please fill in the appropriate amount(s)

- Centre for Lung Health Research & Policy Day (\$100) \$ _____
 - 6th Annual Air Quality & Health Workshop (\$100 • \$50 students) \$ _____
 - Centre for Lung Health Research & Policy Day + 6th Annual Air Quality & Health Workshop (\$150 • \$112.50 students) \$ _____
 - 11th UBC Respiratory Medicine Update (\$180 physician • \$130 other) \$ _____
 - 11th UBC Respiratory Medicine Update + Centre for Lung Health Research & Policy Day (\$210 • \$172.50 other) \$ _____
- TOTAL: \$ _____

Name _____

Organization _____

Address _____

City _____

Postal Code _____

Phone _____

Fax _____

E-mail _____

Mode of Payment:

- VISA Mastercard Cheque

Card Number _____

Expiry Date _____

Cardholder Name _____

Signature _____

If paying by cheque, please make payable to BC Lung Association. Please mail/fax/e-mail forms to: Dr. Menn Blagtan, BC Lung Association 2675 Oak St. Vancouver, BC V6H 2K2 Ph: 604-731-5864 Fax: 604-731-5810 E-mail: blagtan@bc.lung.ca

6th Annual Air Quality & Health Workshop

March 26-27, 2009

Sheraton Vancouver Wall Centre Hotel
Vancouver, BC, Canada

“From Good Intentions to Proven Interventions: Effectiveness of Actions to Reduce the Health Impacts of Air Pollution”

Workshop Focus and Target Audience:

The focus on the workshop is to provide a forum to discuss the current evidence regarding actions that effectively reduce the human health impacts of air pollution. The opportunities to reduce these impacts range from community air quality management strategies to individual actions to reduce exposure or biological effects. To develop a full understanding of these opportunities and to effectively realize their potential will require interactions between air quality managers, scientists and policymakers; public health practitioners; providers of health care to patients; and non-governmental organizations. As our growing understanding of the population health impacts of air pollution has led to much of our current orientation for air quality monitoring, management and policy development, this workshop in particular aims to develop an understanding for air quality managers of the potential for individual actions to reduce impacts and the current state of evidence regarding effectiveness.

Thursday, March 26, 2009

12:00 - 1:00pm

Registration

1:00 - 1:10

Welcoming Remarks/Overview

Dr. Ray Copes, BC Centre for Disease Control

Mr. Scott McDonald, BC Lung Association

Mr. Glen Okrainetz, Ministry of Healthy Living and Sports

1:10 - 2:00

Keynote Introduction: Dr. Tom Kosatsky

Keynote: *"The Attributable Benefits of Collective, Behavioural, and Medical Measures in Reducing the Health Impacts of Air Pollution."*

Dr. Nino Künzli, Centre for Research in Environmental Epidemiology-Institut Municipal d'Investigació Mèdica

2:00 - 2:20

Break

Actions at the Individual Level: What can mechanisms for damage tell us about the possibilities for intervention?
To set the framework for later presentations that describe actions that can reduce air pollution health impacts, this session will provide a general introduction to the mechanisms by which air pollutants leads to adverse health impacts. Individual presentations are geared towards providing the non-medical audience with a basic understanding of how air pollutants lead to disease and what opportunities for intervention may be feasible given this understanding. Medical specialists will benefit from these state-of-the-art descriptions of the current understanding of biological mechanisms related to air pollution impacts.

Moderator: Dr. Tom Kosatsky

2:20 - 2:50

Impact of Air Pollution on Blood Vessels and Heart Disease

Dr. Stephan van Eeden, St. Paul's Hospital/University of British Columbia

2:50 - 3:15

Air Quality and Atherosclerosis (Acute and Chronic Effects)

Dr. Joel Kaufman, University of Washington

3:15 - 3:40

Air Quality and Chronic Lung Diseases

Dr. Chris Carlsten, University of British Columbia

3:40 - 4:15

Effect of Exposure Duration on Response to Air Pollutants

Dr. Audrey Smargiassi, Montreal Department of Public Health

4:15 - 4:45

Panel Discussion: *Determinants of the Risk to Health Given Exposure*

5.15 - 6.45

Dr. David Bates Memorial Lecture (optional)

Measuring Efficacy of Air Pollution Control

Dr. Douglas Dockery, Harvard School of Public Health

6:45 Onwards

Faculty & Registered Attendee Dinner

Friday, March 27, 2009

Actions at the Individual Level: Basis for Dietary and Pharmacologic Interventions

As the understanding of the mechanisms by which air pollution results in adverse impacts has developed, opportunities have arisen for individual actions to mitigate these effects. This session will describe the growing body of evidence supporting effective dietary and pharmacologic interventions as a means to reduce the harmful impacts of air pollution exposure. A critical analysis of the weight of evidence that is required before such interventions can be broadly implemented will open the session.

Moderator: Dr. Chris Carlsten

8:00 - 8:30am

Registration

8:30 - 8:50

Evidence and Air Pollution Health Interventions
Dr. Sverre Vedal, University of Washington

8:50 - 9:15

Effectiveness of Dietary and Pharmacologic Interventions in Reducing Respiratory Impacts of Air Pollution (bronchodilators, antioxidants, omega 3 fatty acids)
Dr. Isabelle Romieu, Instituto Nacional de Salud Pública, Mexico

9:15 - 9:40

Effectiveness of Dietary and Pharmacologic Interventions in Reducing Cardiovascular Impacts of Air Pollution (activity reduction, statins, anti-inflammatories)
Dr. Murray Mittleman, Harvard School of Public Health

9:40 - 10:10

Panel Discussion: *What Should We Advise Now? And to Whom?*

10:10 - 10:30

Break

Actions at the Individual Level: Basis for Exposure Reduction

Air quality management and related public health efforts are geared towards population-level risk reduction. To date these have largely focused on reducing concentrations of pollutants in ambient air. Human exposure, however, is a function of both the pollutant concentrations and the interactions of individuals with pollutants over space and time. Given the large amount of time that individuals spend in indoor environments, individual actions related to locations, control of air quality within buildings and activities that may impact exposure and inhaled doses also provide opportunities for exposure and risk reduction. This session will discuss the exposure reduction that can be achieved within the indoor environment, features that modify this reduction and the impact of varying activities on pollutant exposure. The goal of this session is to discuss individuals actions that can effectively reduce air pollution exposure.

Moderator: Dr. Michael Brauer

10:30 - 10:55

Infiltration of Outdoor Pollution: How Much Does Staying Indoors Reduce Exposures (PM and Ozone)

Dr. Ryan Allen, Simon Fraser University

10:55 - 11:10

Air Cleaner Effectiveness

Ms. Prabjit Barn, BC Centre for Disease Control

11:10 - 11:40

Effects on Exposure and Dose of Changing Activities and/or Locations

Dr. Dave Stieb, Health Canada

11:40 - 12:15pm

Panel Discussion: *How Can Individuals Best Cope with Outdoor Air Pollution*

12:15 - 1:45

Lunch/Presentation of Dr. Robert Caton and Dr. David Bates Scholarships

Ms. Kathy Preston, RWDI and Ms. Elizabeth Caton

Actions at the Community Level: Exposure Reduction

Air quality management has largely focused on community-level actions. Evidence that such actions actually lead to population health improvements is difficult to obtain. This session will provide some examples of studies to assess the effectiveness of community air quality management programs on exposure and health impact reduction.

Moderator: Mr. Glen Okrainetz

1:45 - 2:10

The London Congestion Charge and its Impact on Environment and Health

Dr. Shakoor Hajat, London School of Hygiene and Tropical Medicine

2:10 - 2:35

The Libby Montana Woodstove Exchange

Dr. Curtis Noonan, University of Montana

2:35 - 3:00

The California Experience: Estimating the Impacts of CARB on the Health of Californians

Mr. Jeff Austin, California Air Resource Board (CARB)

3:00 - 3:30

Panel Discussion: *Comparison of Community Approaches to Pollutant Exposure Reduction*

3:30 - 3:50

Break

3:50 - 4:30

Looking Ahead - Real Prospects for Reducing Impacts of Air Quality on Health

Dr. Nino Künzli, Centre for Research in Environmental Epidemiology-Institut Municipal d'Investigació Mèdica

THE  LUNG ASSOCIATION™
British Columbia




 Health Canada Santé Canada


BC Centre for Disease Control
AN AGENCY OF THE PROVINCIAL HEALTH SERVICES AUTHORITY

 HEART & STROKE
FOUNDATION
OF BC & YUKON
Finding answers. For life.

 BRITISH COLUMBIA
The Best Place on Earth | Ministry of Environment

 Environment Canada Environnement Canada