

## 2025 BC Lung Foundation Air Quality and Health Workshop

### “Brain Smog: Air Pollution and Lifelong Brain Health”

April 8, 2025, Vancouver BC (Westin Bayshore Hotel)

Time	Topic	Speaker
0830-0845	Welcome	Chris Lam, President &CEO, BC Lung Foundation
<b>Morning Chair: Dr. Michael Brauer</b>		
0845-0930	OPENER: Overview of the biological effects of air pollution on the brain	Eric Smith, University of Calgary
0930-1000	Review of epidemiology on perinatal exposure to air pollution and cognitive outcomes	Catherine Karr, University of Washington
1000-1030	BREAK	
1030-1100	Review of epidemiology on air pollution, ADHD, and ASD in childhood	Rebecca Schmidt, University of California Davis
1100-1130	Study on behavioural and performance outcomes during electric school bus intervention	Meredith Pedde, University of Michigan
1130-1200	Presentation of Caton and Bates Scholarships	Connor Reynolds
1200-1300	LUNCH	
<b>After Lunch Chair: Dr. Sarah Henderson</b>		
1300-1330	Study on controlled diesel exposure and impairment of functional brain connectivity	Chris Carlsten, University of British Columbia
1330-1400	Study on short-term wildfire smoke exposure and acute effects on attention in adults	Stephanie Cleland, Simon Fraser University
1400-1430	Study on air pollution and atherosclerosis using magnetic resonance imaging	Sandi Azab, McMaster University
1430-1500	BREAK	
<b>Final Session Chair: Dr. Chris Carlsten</b>		
1500-1530	Study on source-specific impacts of fine particulate matter and dementia risk	Sara Adar, University of Michigan
1530-1600	Review of epidemiology on air pollution, dementia, and Alzheimer’s	Michael Brauer, University of British Columbia
1600-1630	CLOSER: Overview of brain health importance at the societal scale	Parminder Raina, McMaster University
1630-1635	Closing remarks	