



# Agenda

Day 1 - March 15, 2022



## Introduction

9:00

Robert MacDonald, President & CEO of the Lung Association of Nova Scotia will open the day.



## Melanie Langille

9:05 - 9:30

**Implications of climate change on air quality and health:** Climate change has been deemed the greatest threat to public health of our time. This talk provides an overview of the affects our changing climate has on the air we breathe, and on living with lung disease. We'll also provide a case study of the work the New Brunswick Lung Association is doing to raise awareness of this often overlooked effect of climate change..



## Dr. Xiaquan (Xander) Wang

9:30 - 9:55

**Climate Change Impacts on Cancer Rates in Canada:** Climate change is not only affecting the nature systems through heat waves, storms, and floods, but also negatively impacting the health of human beings. Many previous health-related studies have reported that the numerous diseases of human beings could be directly or indirectly linked to climate change. The data from Statistics Canada show an increase in cancer rates since 1992, which could be related to the changes in weather conditions. This study aims to: 1) identify all climate indices which are potentially linked to the increase in cancer occurrence across Canada, and 2) build a robust model to quantify the relationships between climate change and cancer rates and to project the future cancer development under various climate change scenarios. This is an ongoing research and some preliminary results regarding the common cancers in Canada will be presented.



## Beau Ahrens

9:55 - 10:20

**Do urban tree characteristics modify the association between temperature and mortality?** Urban trees can help reduce the risk of heat related mortality in the face of rising temperatures due to climate change. We investigate how different tree characteristic affect the risk of temperature related mortality in three cities. We used a case crossover study design using conditional logistic regressions to find the association between temperature, tree canopy characteristics, and mortality. The study used high resolution LiDAR deriver tree canopy characteristics, daily temperature data, and mortality case data for Montreal, Ottawa, and Toronto between 2001 and 2015.



## Break

10:20 - 10:30



## Brendan Piper

10:30 - 10:55

**Air Quality Impacts of Electric Vehicles in NS:** Join electric vehicle specialist, Brendan Piper, as he discusses what impacts EVs have in comparison to gas vehicles. There will be a short introduction of EVs, discussion of types of pollutants (pm2.5, NOX, SO2, etc) and how EVs fit into our transportation needs.



## Breakout discussions

10:55 - 11:55



## Wrap-up

11:55 - 12:00