

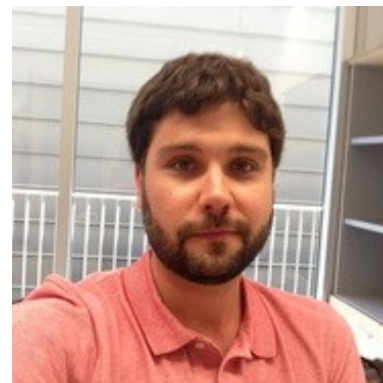
# Seminar Series 2015 - 2016

Southern Ontario Centre for Atmospheric Aerosol Research  
University of Toronto

## PM2.5 Oxidative Potential, Lung Cancer Mortality, and Acute Cardiorespiratory Outcomes in Ontario, Canada

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Fine particulate air pollution (PM2.5) is known to contribute to adverse cardiovascular and respiratory health outcomes. However, current mass-based regulations treat all PM2.5 as equally toxic despite potential regional differences in particle composition or biological activity that may impact overall toxicity. This lecture will provide an overview of recent studies examining regional differences in the ability of PM2.5 to cause oxidative stress and how these differences may modify the association between PM2.5 and lung cancer, myocardial infarction, and respiratory illnesses.

**January 13, 2016, 3 – 4 PM**

**Wallberg Building, 200 College Street, Room 407**

