Student Work Summary

A graduate student (preferably PhD) is needed to compile and review existing epidemiological evidence related to the impact of traffic-related air pollution (ultrafine particles, NO_2, black carbon, $PM_{2.5}$) on acute changes in physiological measures of cardiovascular health including: heart rate variability, blood pressure, and endothelial function. The student will also assist in compiling study materials (e.g. participant log books) for a panel study to be conducted in 2016. This study is funded by the CIHR (Project Title: Developing and applying biologically-weighted multi-pollutant exposure surfaces in the evaluation of air pollution health effects).

The student will search the medical literature for relevant publications and complete a table summarizing the key findings and characteristics of each study to support a future meta-analyses/literature review. This work should be completed between November 2015 and June 2016. The student will be invited to be a co-author on any publications that may arise from this work.

Experience: Previous experience in conducting literature reviews and compiling/summarising results from peer-reviewed literature would be an asset.

Supervisors: Dr. Scott Weichenthal and Dr. Lawrence Joseph

Time: Minimum 1 day (8 hours) per week until June 2016.

Salary: $26.50/hour

Interested students can contact Dr. Scott Weichenthal: scott.weichenthal@mail.mcgill.ca