

Krystal Pollitt

Environmental Health Sciences, School of Public Health, Yale University

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Professional Experience

- 2018 – Present **Assistant Professor of Epidemiology**
Environmental Health Sciences, School of Public Health
Chemical and Environmental Engineering, School of Engineering & Applied Science
Yale University, New Haven
- 2015 – 2018 **Assistant Professor and the Commonwealth Honors College Professor in Environmental Health Science**
Environmental Health Sciences, School of Public Health and Health Sciences
Civil and Environmental Engineering, College of Engineering
University of Massachusetts, Amherst
- 2011 – 2014 **Canadian Thoracic Society Research Fellow**
Chemical Engineering and Applied Chemistry, University of Toronto and
Toronto General Research Institute, University Health Network
- 2007 – 2012 **Honorary Research Associate**, Division of Environmental Health and Risk Management
School of Geography, Earth and Environmental Sciences, University of Birmingham

Education

- 2007 – 2012 **PhD, School of Biomedical and Health Sciences**
Medical Research Council Centre for Environment and Health
King's College London, United Kingdom
Thesis: Particulate Oxidative Activity and the Impact on Acute Human Respiratory Responses
- 2005 – 2007 **MASc, Chemical Engineering and Applied Chemistry**
Southern Ontario Centre for Atmospheric Aerosol Research
University of Toronto, Canada
Thesis: Chemical Composition Fluctuations in the Gaseous and Particulate Phases of Urban Aerosols
- 2001 – 2005 **BASc, Chemical Engineering and Applied Chemistry**
University of Toronto, Canada

Certification

- 2015 Professional Engineers Ontario, Professional Engineer Licensure 100198489

Peer-Reviewed Publications

Total Citations: 2191; h-index: 25; i10-index: 36

Google Scholar Profile: <https://scholar.google.com/citations?user=bbIUkCIAAAAJ&hl=en>

62. Katoto, P.D.M.C., de Marie, Kayembe-Kitenge, T., **Godri Pollitt, K.J.**, Martens, D., Ghosh, M., Nachega, J., Nemery, B., Nawrot, T. (2021) Telomere Length and Outcome of Treatment for Pulmonary Tuberculosis in a Gold Mining Community. *Scientific Reports*. 11: 4031. (IF= 3.998)
61. Koelmel, J.P., Lin, E.Z., Nicholas, A., Guo, P., Zhou, Y., **Godri Pollitt, K.J.** (2021) Head, shoulders, knees, and toes: Placement of wearable passive samplers alters exposure profiles observed. *Environmental Science & Technology*. Accepted. (IF= 7.149)

60. (IF=3.980)
59. Li, D., Lin, E.Z., A. Brault, M.A., Paquette, J., Vermund, S.H., **Godri Pollitt, K.J.** (2021) Reopening Schools After the Novel Coronavirus Surge. *International Journal of Environmental Research and Public Health*. Accepted. (IF=2.849)
58. Koelmel, J.P., Lin, E.Z., Guo, P., Zhou, J. He, J., Chen, A., Gao, Y., Deng, F., Dong, H., Liu, Y., Cha, Y., Fang, J., Beecher, C., Shi, X., Tang, S., **Godri Pollitt, K.J.** (2021) Exploring the external exposome using wearable passive samplers-The China BAPE study. *Environmental Pollution*. 270: 116228. (IF=5.714)
57. Jin, L.; **Godri Pollitt, K.J.**, Liew, Z., Rosen Vollmar, A.K., Vasiliou, V., Johnson, C.H., Zhang, Y. (2021) Use of untargeted metabolomics to explore the air pollution related disease continuum. *Current Environmental Health Reports*. Accepted. (IF=3.980)
56. Novelli, G., Biancolella, M., Mehriani-Shai; R., Erickson, C., **Godri Pollitt, K.J.**, Vasiliou, V., Watt, J. Reichardt, J. (2020) The First 6 Months of the Pandemic. *Human Genomics*. 14:48. (IF=2.21)
55. Ganguly, K., Nordström, A., Thimraj, T.A., Rahman, M., Ramström, M., Sompal, S.I., Lin, E.Z., O'Brien, F., Koelmel, J.P., Ernstgård, L., Johanson, G., **Godri Pollitt, K.J.**, Palmberg, L., Upadhyay, S. (2020) E-cigarette safety profiling is challenging: Assessment of pulmonary response in bronchial and alveolar mucosa models. *Scientific Reports*. 10:20460. (IF=4.122)
54. Nason, S.L., Koelmel, J.P., Zuverza-Mena, N., Stanley, C., Tamez, C., Bowden, J.A., **Godri Pollitt, K.J.** (2020) Software comparison for non-targeted analysis of PFAS in AFFF-contaminated soil. *Journal of the American Society for Mass Spectrometry*. Accepted. (IF=3.202)
53. Padukudru Anand, M., Larsson, K., Johanson, G., Phuleria, H.C., Ravindra PV, Ernstgård, L., Mabalirajan, U., Krishna, M., Palmberg, L., **Godri Pollitt, K.J.**, Upadhyay, S., Ganguly, K. (2020) Clinical, epidemiological and experimental approaches to assess adverse health outcomes of indoor biomass smoke exposure: Conclusions from an Indo-Swedish workshop in Mysuru, January 2020. *Toxics*. 8(3): 68. (IF=2.610).
52. Deliali, A., Gaudreau, J., Chhan, D., Sayess, R., **Godri Pollitt, K.J.** Christofa, E. (2020) Transitioning to zero-emission bus fleets: state of practice of implementations in the United States. *Transport Reviews*. 41(2): 164-191. (IF= 6.704)
51. Mousavi, E. **Godri Pollitt, K.J.**, Sherman, J., Martinello, R.A. (2020) Performance Analysis of Portable HEPA Filters and Temporary Plastic Anterooms on the Spread of Surrogate Coronavirus. *Building and Environment*. 183:107186. (IF=4.971)
50. Koelmel, J.P., Paige, M., Aristizabal-Henao, J., Robey, N., Nason, S., Stelben, P., Li, Y., Kroeger, N., Napolitano, M., Savvaides, T., Vasiliou, V., Roskowski, P., Garrett, T., Lin, E.Z., Deigl, C., Jobst, K. Townsend, T., **Godri Pollitt, K.J.**, Bowden, J. (2020) Towards comprehensive PFAS annotation using FluoroMatch Software and Intelligent LC-HRMS/MS Acquisition Methods. *Analytical Chemistry*. 19(16): 11186. (IF=6.350)
49. Jobst, K., Anmol, A., **Godri Pollitt, K.J.**, Sled, J., (2020) Dried blood spots for the identification of bio-accumulating organic compounds: current challenges and future perspectives. *Current Opinion in Environmental Science & Health*. 15: 66.
48. Jobst, K., **Godri Pollitt, K.J.** (2020) Environmental Toxicology: Exposomics: analytical challenges and emerging exposures. *Current Opinion in Environmental Science & Health*. 15:A1-A3.
47. Wilen, L. Gentner, D.R., Schilling, K., Medina, A., Buehler, C., Perez-Lorenzo, L.J., **Godri Pollitt, K.J.**, Bergemann, R., Bernardo, N., Peccia, J., Lattanza, L., Wilczynski, V. (2020) An accessible method for screening aerosol filtration identifies poor-performing commercial masks and respirators. *Journal of Exposure Science and Environmental Epidemiology*. In Press (IF= 3.025)
46. **Godri Pollitt, K.J.**, Peccia, J., Ko, A., Kaminski, N., Dela Cruz, C., Nebert, D.W., Reichardt, J., Thompson, D.C., Vasiliou, V. (2020) COVID-19 Vulnerability from Genetic Susceptibility to Controlling New Infections: Understanding the Impact of Airborne Coronavirus on Transmission. *Human Genomics*. 14:1-7. (IF=2.21)
45. Gao, D., Ripley, S., Weichenthal, S., **Godri Pollitt, K.J.** (2020) Ambient Particulate Matter Oxidative Potential: Chemical Determinants, Associated Health Effects, and Strategies for Risk Management. *Free Radical Biology and Medicine*. 151:7-25 (IF=5.657)

44. Gao, D., **Godri Pollitt, K.J.**, Mulholland, J.A., Russell, A.G., Weber, R.J. (2020) Characterization and comparison of PM_{2.5} oxidative potential assessed by two acellular assays. *Atmospheric Chemistry and Physics*. 20(9): 5197-5210. (IF= 5.668).
43. Koelmel, J.P., Napolitano, M.P., Ulmer, C.Z., Vasiliou, V., Garrett, T.J., Yost, R.A., Prasad, M.N.V., **Godri Pollitt, K.J.**, John A. Bowden, J.A. (2020) Environmental Lipidomics: Understanding the Response of Organisms and Ecosystems to a Changing World. *Metabolomics*. 1:1-22. (IF=3.167).
42. Lin, Z., Esenther, S.E., Mascelloni, M., Irfan, F., **Godri Pollitt, K.J.** (2020) The Fresh Air Wristband: Profiling Environmental Exposures using a Wearable Air Pollutant Monitor. *Environmental Science and Technology Letters*. 7(5): 308-314. (IF=5.308).
41. **Godri Pollitt, K.J.**, Kim, J.-H., Peccia, J., Elimelech, M., Zhang, Y., Charkoftakia, G., Hodges, B., Zucker, I., Huang, H., Deziel, N.C., Murphy, K., Ishii, M., Johnson, C.H., Boissevain, A., O'Keefe, E., Anastas, P., Orlicky, D., Thompson, D.C., Vasiliou, V. (2019) 1,4-Dioxane as an Emerging Water Contaminant – State of the Science and Evaluation of Research Needs. *Science of the Total Environment*. 690:853-866. (IF=5.589).
40. Hung, S., Young, M.L., Kumpel, E., Timme-Laragy, A.R., Reckhow, D., **Godri Pollitt, K.J.** (2019) Assessment of the in vitro toxicity of the disinfection byproduct 2, 6-dichloro-1, 4-benzoquinone and its transformed derivatives. *Chemosphere*. 234:902-908. (IF=4.62).
39. **Godri Pollitt, K.J.** Chhan, D., Rais, K., Pan, K. Wallace, J.S. (2019) Biofuels: A greener diesel? A review of renewable diesels and biodiesels from a health perspective. *Science of the Total Environment*. 688: 1026-1055. (IF=4.99).
38. King, C.M.D., Dozier, C.S, Campbell, J.L., Curry, E.D., **Godri Pollitt, K.J.** (2019) Long-term leaching of arsenic from pressure-treated playground structures in the Northeastern United States. *Science of the Total Environment*. 656: 834-842. (IF=5.589)
37. Mohammadyan, M., Heibati, B., Bahrami, A., Keyvani, S., Yetilmezsoy, K., **Godri Pollitt, K.J.** (2019) Air pollutant exposure in urban hospitals: Outdoor particulate contribution to indoor concentrations. *Air Quality, Atmosphere & Health*. 12(2):151-159. (IF=2.662)
36. Zimmerman, N., Jeong, C.-H., Rais, K., Wallace, J.S., Evans, G.J., Brook, J.B., **Godri Pollitt, K.J.** (2019) Carbonaceous aerosol sampling of gasoline direct injection engine exhaust with an integrated organic gas and particle sampler. *Science of the Total Environment*. 652: 1261-1269. (IF=5.589).
35. Liu, L., Urch, B., Szyszkowicz, M., Evans, G.J., Speck, M., Van Huang, A., Leingartner, K., Shutt, R.H., Pelletier, G., Gold, D.R., Brook, J.R., **Godri Pollitt, K.J.** Frances S Silverman, F.S. (2018) Metals and oxidative potential in urban particulate matter influence systemic inflammatory and neural biomarkers: A controlled exposure study. *Environment International*. 121: 1331-1340. (IF = 7.088)
34. Lavigne, É., Burnett, R.T., Stieb, D.M. Evans, G.J., **Godri Pollitt, K.J.**, Chen, H., van Rijswijk, D., Weichenthal, S. (2018) Fine Particulate Air Pollution and Adverse Birth Outcomes: Effect Modification by Regional Oxidative Potential. *Environmental Health Perspectives*. 126(7). (IF = 9.78)
33. Maikawa, C.L., Zimmerman, N., Ramos, M., Shah, M., Wallace, J.S., **Godri Pollitt, K.J.** (2018) Comparison of airway responses induced in a mouse model by the gas and particulate fractions of gasoline direct injection engine exhaust. *Journal of Environmental Research and Public Health*. 15(3): 429. (IF=2.035).
32. Heibati, B., **Godri Pollitt, K.J.**, Yazdani Charati, J., Ducatman, A., Shokrzadeh, M., Mohammadyan, M. (2018) Biomonitoring-based exposure assessment of benzene, toluene, ethylbenzene and xylene among workers at petroleum distribution facilities. *Ecotoxicology and Environmental Safety*. 149: 19-25. (IF=3.743)
31. Heibati, B., **Godri Pollitt, K.J.**, Karimi, A., Yazdani Charati, J., Ducatman, A., Shokrzadeh, M., Mohammadyan, M. (2017) BTEX exposure assessment and quantitative risk assessment among petroleum product distributors in Iran. *Ecotoxicology and Environmental Safety*. 144: 445-449. (IF=3.743)
30. Mohammadyan, M., Ghoochani, M., Kloog, I., Abdul-Wahab, S.A, Yetilmezsoy, K., Heibati, B., **Godri Pollitt, K.J.** (2017) Assessment of indoor and outdoor particulate air pollution at an urban background site in Iran. *Environmental Monitoring and Assessment*. 189:235. (IF=1.687)
29. Sayess, R., Khalil, A., Shah, M., Reckhow, D.A., **Godri Pollitt, K.J.** (2017) Comparative cytotoxicity of six iodinated disinfection byproducts on nontransformed epithelial human colon cells. *Environmental Science and Technology Letters*. 4(4):143-148. (IF=5.308)

28. Maikawa, C.L., Weichenthal, S., Wheeler, A.J., Dobbin, N., Smargiassi, A., Evans, G.J., Liu, L., Goldberg, M.S., **Godri Pollitt, K.J.** (2016) Particulate oxidative burden as a predictor of exhaled nitric oxide in children with asthma. *Environmental Health Perspectives*. 124(10):1616-1622. (IF = 9.78)
27. Weichenthal, S., Lavigne, E., Evans, G.J., **Godri Pollitt, K.J.**, Burnett, R.T. (2016) PM_{2.5} and emergency room visits for respiratory illness: Effect modification by oxidative potential. *American Journal of Respiratory and Critical Care Medicine*. 194(5):577-586. (IF=12.996).
26. **Godri Pollitt, K.J.**, Maikawa, C.L., Wheeler, A.J., Weichenthal, S., Dobbin, N., Liu, L., Goldberg, M.S. (2016) Trace metal exposure is associated with increased exhaled nitric oxide in asthmatic children. *Environmental Health*. 15:94. (IF = 3.816)
25. Maikawa, C.L., Zimmerman, N., Rais, K., Shah, M., Hawley, B., Pant, P., Jeong, C.-H., Delgado Saborit, J.M., Volckens, J., Evans, G.J., Wallace, J.S., **Godri Pollitt, K.J.** (2016) Murine precision-cut lung slices exhibit acute responses following exposure to gasoline direct injection engine emissions. *Science of the Total Environment*. 568: 1102-1109. (IF=5.589).
24. Weichenthal, S., Lavigne, E., Evans, G.J., **Godri Pollitt, K.J.**, Burnett, R.T. (2016) Ambient PM_{2.5} and risk of emergency room visits for myocardial infarction: Impact of regional PM_{2.5} oxidative potential. *Environmental Health*. 15:46. (IF = 3.816)
23. Weichenthal, S., Crouse, D.L., **Godri Pollitt, K.J.**, Evans, G.J., van Donkelaar, A., Martin, R.V., Burnett, R.T. (2016) Oxidative burden of fine particulate air pollution and risk of cause-specific mortality in the Canadian census health and environment cohort (CanCHEC). *Environmental Research*. 146: 92-99. (IF = 4.373)
22. Pant, P., Baker, S.J., Skukla, A., Maikawa, C., **Godri Pollitt, K.J.**, Harrison, R.M. (2015) The PM₁₀ fraction of road dust in the UK and India: Characterization, source profiles and oxidative potential. *Science of the Total Environment*. 530-531:445. (IF = 5.589)
21. Wang, X., Khanna, N., Wu, J., **Godri Pollitt, K.J.**, Evans, G.J., Chow, C.-W., Scott, J.A. (2015) Syk mediates airway contractility independent of leukocyte function. *Allergy*. 70(4):429. (IF = 5.995)
20. Zimmerman, N., **Godri Pollitt, K.J.**, Jeong, C.-H., Jung, T., Cooper, J.M., Wallace, J.S., Evans, G.J. (2014) Inter-comparison of the TSI engine exhaust particle sizer (EEPS) and the TSI Fast Mobility Particle Sizer (FMPS) in urban ambient, diesel engine, and laboratory-generated particles. *Atmospheric Environment*. 86:140. (IF = 3.465)
19. Yao, X., Hu, Q., Zhang, L., Evans, G.J., **Godri Pollitt, K.J.**, Ng, A.C. (2013) Is vehicular emission a significant contributor to ammonia in the urban atmosphere? *Atmospheric Environment*. 80:499. (IF =3.465)
18. Delgado-Saborit, J.M., Mohammed, S.A., **Godri Pollitt, K.J.**, Stark, C., Harrison, R.M. (2013) Simultaneous determination of quinones and polycyclic aromatic hydrocarbons in gaseous and particulate phases in ambient air. *Atmospheric Environment*. 77:974. (IF = 3. 465)
17. Weichenthal, S., **Godri Pollitt, K.J.**, Villeneuve, P.J. (2013) A Review of oxidant defence, PM_{2.5}, and cardiorespiratory health. *Environmental Health*.12:40. (IF = 3.816)
16. Strak, M.M., Janssen, N.A.H., **Godri, K.J.**, Gosens, I., Mudway, I.S., van Oerle, R., Spronk, H.M.H., Cassee, F.R., Lebret, E., Kelly, F.J., Harrison, R.M., Brunekreef, B., Steenhof, M., Hoek, G. (2013) Composition of PM effects acute vascular inflammatory and coagulative parameters - the RAPTES project. *PLoS ONE*. 8(3):e58944. (IF = 4.411)
15. Strak, M.M., Hoek, G., Steenhof, M., Kilinc, E., **Godri, K.J.**, Gosens, I., Mudway, I.S., van Oerle, R., Spronk, H.M.H., H.M.H., Cassee, F.R., Kelly, F.J., Harrison, R.M., Brunekreef, B., Lebret, E., Janssen, N.A.H. (2013) Components of ambient air pollution affect thrombin generation in healthy humans – The RAPTES project. *Occupational and Environmental Medicine*. 70(5):332-340. (IF = 3.02)
14. Steenhof, M., Mudway, I.S., Gosens, I., Hoek, G., **Godri, K.J.**, Kelly, F.J., Harrison, R.M., Pieters, R.H.H., Cassee, F.R., Lebret, E., Strak, M.M., Janssen, N.A.H. (2013) Acute nasal pro-inflammatory response to air pollution depends on characteristics other than particle mass and oxidative potential. *Occupational and Environmental Medicine*. 70(5):341-348. (IF = 3.02)
13. Castellanos Penton, P., North, M.L., Amatullah, H., Cooper, J., **Godri, K.J.**, Khanna, N., Wang, X., Scott, J.A., Chow, C.-W. (2013) Spleen tyrosine kinase inhibition attenuates airway hyperresponsiveness and pollution-induced enhanced airway response in a chronic murine model of asthma. *Journal of Allergy and Clinical Immunology*. 131(2):512-520. (IF = 9.273)

12. Strak, M.M., Janssen, N.A.H., **Godri, K.J.**, Gosens, I., Mudway, I.S., Cassee, F.R., Lebret, E., Kelly, F.J., Harrison, R.M., Brunekreef, B., Steenhof, M., Hoek, G. (2012) Respiratory health effects of airborne particulate matter: the role of particle size, composition and oxidative potential - the RAPTES Study. *Environmental Health Perspectives*. 120(8):1183-1189. (IF = 9.78)
11. **Godri, K.J.**, Harrison, R.M., Evans, T., Baker, T., Dunster, C., Mudway, I.S., Kelly F.J. (2011) Increased oxidative burden associated with the traffic component of ambient particulate matter at roadside and urban background schools sites in Greater London. *PLoS ONE*. 6(7):e21961. (IF = 4.411)
10. Steenhof, M., Gosens, I., Strak, M.M., **Godri, K.J.**, Hoek, G., Cassee, F.R., Mudway, I.S., Kelly, F.J., Harrison, R.M., Lebret, E., Brunekreef, B., Janssen, N.A.H., Pieters, R.H.H. (2011) In vitro toxicity of particulate matter (PM) collected at different sites in the Netherlands is associated with PM composition, size fraction and oxidative potential - the RAPTES project. *Particle and Fibre Toxicology*. 8(2). (IF = 7.113)
9. Strak, M.M., Steenhof, M., **Godri, K.J.**, Gosens, I., Mudway, I.S., Cassee, F.R., Lebret, E., Brunekreef, B., Kelly, F.J., Harrison, R.M., Hoek, G., Janssen, N.A.H. (2011) Variation in characteristics of ambient particulate matter at eight locations in the Netherlands: The RAPTES project. *Atmospheric Environment*. 45(26):4442-4453. (IF = 3.226)
8. Strak, M.M., Steenhof, M., **Godri, K.J.**, Gosens, I., Cassee, F.R., Hoek, G., Mudway, I.S., Kelly, F.J., Harrison, R.M., Lebret, E., Brunekreef, B., Janssen, N.A.H. (2011) Physical, chemical, and oxidative characterization of particles from locations with contrast in local source emissions: Exposure and health assessment in the RAPTES study. *Epidemiology*. 22(1):S219. (IF = 5.866)
7. Yao, X., Lee, C.J., Evans, G.J., Chu, A., **Godri, K.J.**, McGuire, M., Ng, A.C., Whitelaw, C. (2011) Evaluation of ambient SO₂ measurement methods at roadside sites. *Atmospheric Environment*. 45(16):2781-2788. (IF = 3.226)
6. Jeong, C.-H. McGuire, M., **Godri, K.J.**, Slowik, J.G., Evans, G.J. (2011) Quantitative determination of individual ambient particles by ATOFMS in urban and rural areas. *Atmospheric Chemistry and Physics*. 11:1219-1264. (IF = 5.309)
5. **Godri, K.J.**, Green, D.C., Fuller, G.W., Kelly F.J., Dall'Osto, M., Beddows, D. Harrison, R.M., Mudway, I.S. (2010) Particulate oxidative burden associated with firework activity. *Environmental Science and Technology*. 44(21):8295-8301. (IF = 4.827)
4. **Godri, K.J.**, Duggan, S.T., Fuller, G.W., Baker, T., Green, D.C., Kelly, F.J., Mudway, I.S. (2010) PM toxicity from waste transfer station activity. *Environmental Health Perspectives*. 118(4):493-498. (IF = 9.78)
3. **Godri, K.J.**, Evans, G.J., Slowik, J.G., Knox, A., Abbatt, J., Brook, J.R., Dann, T., Dabek-Zlotorzynska, E. (2009) Evaluation of a semi-continuous chemical characterization system for water soluble inorganic PM_{2.5} and associated precursor gases. *Aerosol Measurement Techniques*, 2: 65-80. (IF = 2.623)
2. Knox, A., Yao, X., Evans, G.J., Brook, J.R., Jeong, C.-H., **Godri, K.J.**, Sabaliauskas, K., Slowik, J.G. (2009) Mass absorption cross-section of ambient black carbon aerosol in relation to chemical age. *Aerosol Science and Technology*, 43(6): 522-532. (IF = 2.340)
1. Zhang, Y., Shelepova, T., **Godri, K.J.**, Bertino, J.S, Nafziger, A.N., Sellers E.M. (2003) Lack of correlation between CYP3A probes and midazolam in healthy Caucasian women on or off oral contraceptives (OCs). *Clinical Pharmacology and Therapeutics*, 73 (Suppl.): P15. (IF = 6.378)

Book Chapters

Christofa, E., Esenther, S.E., **Godri Pollitt K.J.** "Incorporating Health Impacts in Transportation Project Decision Making in the United States." *Transportation and Health*. Ed. M. Nieuwenhuijsen, H. Khreis. Elsevier, 2020.

Li, D., Lin, E.Z., Brault, M.A., Paquette, J., Vermund, S.H., **Godri Pollitt K.J.** Reopening Schools After a Novel Coronavirus Surge (Chapter in press). In: Rezaei N (Ed.): Coronavirus disease (COVID-19). City: Springer Nature, 2020.

Other Reports

Transportation Research Board, Task Force on Arterials and Public Health (**Godri Pollitt, K.J.** subject matter expert) (2018) *Arterial Roadways Research Needs and Concerns: Informing the Planning, Design, and Operation of Arterial Roadways Considering Public Health*. Transportation Research Circular Number E-C239.

Godri Pollitt, K.J. and Christofa, E. (2017) *Zero Emission Transit Bus and Refuelling Technologies and Deployment Status*. Prepared for the Massachusetts Department of Transportation.

Godri Pollitt, K.J. (2014) *Toxicological Assessment of Biofuels*. Prepared for the Ontario Mining Association.

Godri Pollitt, K.J., Maikawa C., Evans, G.J. (2013) *A Pilot Survey of PM_{2.5} Oxidative Burden – Personal Exposure and Regional Variation*. Prepared for Health Canada.

Kelly, F.J., Fussell, J.C., **Godri, K.J.**, Harrison, R.M. (2008) *Interactions of Particulate Sulphate and the Implications they may have on PM-Related Health Effects*. Prepared for E.ON Energy.

Evans, G.J. **Godri, K.J.**, Yao, X., Jeong, C.-H. (2008) *Collaborative Support for the Ministry of the Environment's Mobile Field Sampling*. Prepared for the Ontario Ministry of the Environment.

Selection of Conference Presentations

Deliali, K., Esenther, S.E., Frisard, C., Valentine Goins, K., Lemon, S., **Godri Pollitt, K.J.**, Christofa, E. *Incorporating Health-related Criteria for Project Scoring in Massachusetts*. Transportation Research Board 100th Annual Meeting. Virtual Meeting. Poster. January 2021.

Tan, W.Y., Koelmel, J.P., Li, Y., Bowden, J.A., Ahmadireskety, A., Patt, A.C., Orlicky, D.J., Mathé, E., Kroeger, N.M., Cochran, J.A., Golla, J.P., Kandyliari, A., Chen, Y., Charkoftaki, G., **Godri Pollitt, K.J.**, Cagmat, J.G. Tsugawa, H., Arora, A., Veselkov, K. Yost, R.A., Thompson, D.C., Garrett, T.J., Vasilou, V. *Lipidomics and redox lipidomics indicate early stage alcohol-induced liver damage*. 16th Annual Metabolomics 2020 Conference. Poster, Virtual Meeting. October 2020.

Gao, D., Ripley, S., Weichenthal, S., **Godri Pollitt, K.J.** *Ambient Particulate Matter Oxidative Potential: Chemical Determinants, Associated Health Effects, and Strategies for Risk Management*. American Association for Aerosol Research (AAAR). Poster, Virtual Meeting. October 2020.

Gao, D., **Godri Pollitt, K.J.**, Mulholland, J.A., Russell, A.G., Weber, R.J. *Characterization and comparison of PM_{2.5} oxidative potential assessed by two acellular assays*. American Association for Aerosol Research (AAAR). Poster, Virtual Meeting. October 2020.

Lin, E.Z., Koelmel, J.P., Nicholas, A., Guo, P., Zhou, Y., **Godri Pollitt, K.J.** *The FreshAir Wristband: the location of passive sampler placement on personal exposure profiles*. International Society of Exposure Science (ISES). Poster, Virtual Meeting. September 2020.

Guo, P., Lin, E.Z., Koelmel, J.P., Gao, Y., Deng, F., Dong, H., Liu, Y., Cha, Y., Fang, J., Shi, X., Tang, S., **Godri Pollitt, K.J.** *Exploring the dynamics of personal chemical exposures in China with wearable air pollutant samplers*. International Society of Exposure Science (ISES). Poster, Virtual Meeting. September 2020.

Koelmel, J.P., Lin, E.Z., Nicholas, A., Guo, P., Zhou, Y., **Godri Pollitt, K.J.** *Head, shoulders, knees, and toes: Placement of wearable passive samplers alters exposure profiles observed*. International Society of Exposure Science (ISES). Poster, Virtual Meeting. September 2020.

Koelmel, J.P., Lin, E.Z., Guo, P., Zhou, J. He, J., Chen, A., Gao, Y., Deng, F., Dong, H., Liu, Y., Cha, Y., Fang, J., Beecher, C., Shi, X., Tang, S., **Godri Pollitt, K.J.** *Exploring the external exposome using wearable passive samplers – the China BAPE study*. International Society of Exposure Science (ISES). Poster, Virtual Meeting. September 2020.

Koelmel, J.P., Lin, E.Z., Guo, P., Zhou, J. He, J., Chen, A., Gao, Y., Deng, F., Dong, H., Liu, Y., Cha, Y., Fang, J., Beecher, C., Shi, X., Tang, S., **Godri Pollitt, K.J.** *New informatics techniques for studying the exposome in large scale studies*. International Society of Environmental Epidemiology (ISEE). E-Poster, Virtual Meeting. August 2020.

Koelmel, J., Charkoftaki, G., Lin, E.Z., Vasiliou, V., Bowden, J., Aristizabal, J., Stelben, P., Paige, M., **Godri Pollitt, K.J.**, Garrett, T. *A Comparison of Intelligent Data-Acquisition Methods for Exposomics and Lipidomics Applications*. American Society for Mass Spectrometry. Poster, Virtual Meeting. June 2020.

Gao, D., **Godri Pollitt, K.J.** Mulholland, J., Russell, A., Weber, R. *Assessment of PM_{2.5} oxidative potential by two acellular assays*. NYC Exposome Symposium. New York, NY. March 2020.

Lin, E.Z., Koelmel, J.P., Zhou, J., Tang, S., Shi, X., **Godri Pollitt, K.J.** *The Fresh Air Wristband: Targeted analysis of personal exposure to airborne semi-volatile organic compounds in a Chinese cohort*. NYC Exposome Symposium. New York, NY. March 2020.

Koelmel, J.P., Lin, E.Z., He, J., Chen, A., Aksenov, A., Tang, S., Shi, X., **Godri Pollitt, K.J.** *New informatics techniques for studying the exposome in large scale studies*. NYC Exposome Symposium. New York, NY. March 2020.

Koelmel, J.P. Chen, A., Aksenov, A., Lin, E.Z., O'Brien, F. Zhou, J., Ganguly, K., Upadhyay, S. Veselkov, K., **Godri Pollitt, K.J.** *Automatically classifying airborne exposures using gas chromatography high resolution mass spectrometry of passive samplers, neural networks, and EPA compound databases*. American Society for Mass Spectrometry Sanibel Conference: Unravelling the Exposome. Captiva Island, FL. January 2020.

Deliali, K., Esenther, S.E., Frisard, C., Valentine Goins, K., Lemon, S., **Godri Pollitt, K.J.**, Christofa, E. *Assessing the Impact of Transportation on Health: A Review of Performance Measures*. Transportation Research Board 99th Annual Meeting. Washington, DC. Poster. January 2020.

Deliali, K., Oliver, J., Chhan, D., El Sayess, R. **Godri Pollitt, K.J.**, Christofa, E. *Transitioning to Zero-Emission Bus Fleets: Challenges and Lessons Learned from U.S. Implementations*. Transportation Research Board 99th Annual Meeting. Washington, DC. Poster. January 2020.

Godri Pollitt, K.J., Jobst, K., Lin, E.Z., Koelmel, J., Cahill, L.S., Sled, J. *Top-down exposomics of persistent and bioaccumulative organics*. Society of Environmental Toxicology and Chemistry (SETAC). Toronto, Canada. Speaker. November 2019.

Bowden, J.A., Koelmel, J., Lin, E.Z., Jobst, K., DeStefano, N., **Godri Pollitt, K.J.** *Toward Comprehensive PFAS Annotation using a Novel Software FluoroMatch for LC-HRMS/MS Data*. SETAC. Toronto, Canada Poster. November 2019

Koelmel, J., Bowden, J.A., Lin, E.Z., Vasiliou, V., Jobst, K., **Godri Pollitt, K.J.** *Untargeted Annotation of PFAS using a novel software for gas chromatography positive chemical ionization high resolution tandem mass spectrometry*. SETAC. Toronto, Canada Poster. November 2019.

Lin, E.Z., Koelmel, J., Seethapathy, S., **Godri Pollitt, K.J.** *A wearable polydimethylsiloxane-based passive air pollutant sampling device: Development of calibration constants*. SETAC. Toronto, Canada. Speaker. November 2019.

Lin, E.Z., Vance, M., Farmer, D., **Godri Pollitt, K.J.** *Characterisation of SVOCs derived from indoor cooking and cleaning activities*. AAAR. Portland, Oregon. Poster. October 2019.

Esenther, S.E., Lin, E.Z., Minet, L., Hatzopoulou, M., **Godri Pollitt, K.J.** *Land Use Regression Models of Traffic-Related Semi-Volatile Organic Pollutants in an Urban Area with Elevated Prevalence of Pediatric Asthma*. AAAR. Portland, Oregon. Poster. October 2019.

Lin, E.Z., **Godri Pollitt, K.J.** *The Fresh Air Wristband: A wearable air pollutant monitor*. International Society of Environmental Epidemiology. Utrecht, the Netherlands, Invited Speaker. August 2019.

Christofa, E., Deliali, A., Page, M., Lemon, S., Goins, K., Frisard, C., Esenther, S., **Godri Pollitt, K.J.** *Incorporating Health Impacts in Transportation Project Decision Making*. Center for Advanced Research in Transportation Emissions, Energy and Health: Transportation, Air Quality and Health Symposium, Austin, TX, Speaker. February 2019.

Schwartz, K., Reeves, H., Ron, S., Esenther, S.E., **Godri Pollitt, K.J.** *Innovative Tools for Promoting Healthy Community Design*. Southern New England American Planning Association Annual Conference, Hartford, CT. Speaker. October 2018.

Lin, E., Esenther, S.E., Irfan, F., Mascelloni, M., **Godri Pollitt, K.J.** *The Fresh Air Wristband: Measuring Personal Environmental Exposures Using a Wearable Air Pollutant Monitor*. 10th International Aerosol Conference, St. Louis, MO. Selected Speaker. October 2018.

Esenther, S.E., Irfan, F., Lin, E., **Godri Pollitt, K.J.** *Comparative Assessment of Personal Exposure to Nitrogen Dioxide Using Land-Use Regression Modeling and Wearable Monitors*. Joint Annual Meeting of the International Society of Exposure Science (ISES) and the International Society for Environmental Epidemiology (ISEE). Poster, Ottawa, Canada. August 2018.

Lin, E., Esenther, S.E., Irfan, F., Mascelloni, M., **Godri Pollitt, K.J.** *Measuring Personal Environmental Exposures Using a Wearable Air Pollutant Monitor*. Joint Annual Meeting of the ISES and ISEE. Poster, Ottawa, Canada. August 2018.

Lavigne, E., Burnett, R., Stieb, D., Evans, G., **Godri Pollitt, K.J.** Chen, H., Gasparrini, A., Weichenthal, S. *Prenatal Particulate Air Pollution and the Incidence of Childhood Cancers: Identifying Critical Windows and*

Differences by Regional Oxidative Potential. Joint Annual Meeting of the ISES and ISEE. Poster, Ottawa, Canada. August 2018.

Lin, E., Esenther, S.E., Irfan, F., Mascelloni, M., **Godri Pollitt, K.J.** *Profiling Personal Air Pollutant Exposures Using a Wearable Non-Selective Passive Wristband*. American Society for Mass Spectrometry. Poster, San Diego, CA. June 2018.

Godri Pollitt, K.J. *An Evaluation of Air Quality, Exposure and Health Modelling Tools for Transportation Analysis*. Transportation Research Board 97th Annual Meeting. Invited Speaker. Washington, DC. January 2018.

Sturgeon, S.R., Kontos, D., March, D., **Godri Pollitt, K.J.**, Kavar, N., Byrne, C., Arcaro, K.A. *Environmental Chemicals and Breast Density in Young Women*. 12th Annual Meeting of the Breast Cancer and the Environment Research Program, Monrovia, CA. Poster. November 2017.

Godri Pollitt, K.J. *Measuring personal environmental exposures using the Fresh Air wristband*. Sustainable Cities and Environmental Health Conference, Montreal, Canada. Invited Speaker. November 2017.

Maikawa, C.L., Weichenthal, S., Wheeler, A.J., Dobbin, N., Smargiassi, A., Evans, G.J., Liu, L., Goldberg, M.S., **Godri Pollitt, K.J.** *Particulate Oxidative Burden as a Predictor of Exhaled Nitric Oxide in Children with Asthma*. American Association for Aerosol Research 36th Annual Conference, Raleigh, NC. Invited Symposium Speaker. October 2017.

Maikawa, C.L., Zimmerman, N., Rais, K., Shah, M., Hawley, B., Pant, P., Jeong, C.-H., Delgado Saborit, J.M., Volckens, J., Evans, G.J., Wallace, J.S., **Godri Pollitt, K.J.** *Murine precision-cut lung slices exhibit acute responses following exposure to gasoline direct injection engine emissions*. American Association for Aerosol Research 36th Annual Conference. Selected Speaker, Raleigh, NC. October 2017.

Maikawa, C.L., Zimmerman, N., Ramos, M., Shah, M., Wallace, J.S., **Godri Pollitt, K.J.** *Comparison of airway responses induced in a mouse model by the gas and particulate fractions of gasoline direct injection engine exhaust*. American Association for Aerosol Research 36th Annual Conference, Raleigh, NC. Poster Presenter. October 2017.

Khalighi, F. Hajiseyedjavadi, F., **Godri Pollitt, K.J.**, Christofa, E., Knodler, M. *Emission Impact of Cars and Pedestrians at Roundabouts*. International Conference on Roundabouts, Green Bay, WI. Poster Presenter. May 2017.

Weichenthal, S., Lavigne, E., Evans, G., **Godri Pollitt, K.J.**, Burnett, R. *Ambient PM_{2.5} and Risk of Emergency Room Visits for Myocardial Infarction: Impact of Regional PM_{2.5} Oxidative Potential: A Case-Crossover Study*. International Society for Environmental Epidemiology 28th Annual Conference, Rome, Italy. Poster Presenter. September 2016.

Weichenthal, S., Lavigne, E., Evans, G., **Godri Pollitt, K.J.**, Burnett, R. *PM_{2.5} and Emergency Room Visits for Respiratory Illness: Effect Modification by Oxidative Potential*. International Society for Environmental Epidemiology 28th Annual Conference, Rome, Italy. Poster Presenter. September 2016.

Lavigne, E., Weichenthal, S., Evans, G., **Godri Pollitt, K.J.**, Chen, H., Burnett, R. *Fine particulate air pollution and adverse birth outcomes: Effect modification by oxidative potential*. International Society for Environmental Epidemiology 28th Annual Conference, Rome, Italy. Poster Presenter. September 2016.

Pine, B., Urch, B., Speck, M., Brook, R.D., Gold, D., Silverman, F., Corey, P., Brook, J., Godri Pollitt, K.J. *Vascular Effects of Coarse, Fine and Ultrafine Ambient Particulate Matter Pollution Exposure*. Society for Environmental Toxicology and Chemistry, North Atlantic Chapter 22nd Annual Conference, Amherst, MA. Poster Presenter. June 2016.

Huang, A., Kim, J., Evans, G.J., Weichenthal, S., **Godri Pollitt, K.J.** *Particulate Matter Oxidative Potential as an Additional Metric of Pollutant Exposure*. American Association for Aerosol Research, 34th Annual Conference, Minneapolis, MN. Poster Presenter. October 2015.

Godri Pollitt, K.J. *NO₂ Underground: What Exposure Level is Safe?* Annual Mining Diesel Emissions Council Conference, Toronto, Canada. Invited Keynote Platform. October 2015.

Godri Pollitt, K.J. *Understanding Emission Profiles and Health Effects of Biofuels (Biodiesel, Renewable Diesel, Alternative Diesel and Greener Diesel)*. Annual Mining Diesel Emissions Council Conference, Toronto, Canada. Invited Speaker. October 2014.

Zimmerman, N., Ramos, M., Jeong, C.-H., **Godri Pollitt, K.J.**, Wallace, J.S., Evans, G.J. *Physicochemical Assessment of Exhaust Emissions from a Light-duty Gasoline Direct Injection Engine Operated with Conventional*

and Ethanol-blended Fuels. American Association for Aerosol Research, 33th Annual Conference, Orlando, FL Selected Speaker. October 2015.

Godri Pollitt, K.J., Norval, G.W. *A Module for Teaching Risk Management*. Canadian Engineering Education Association, 5th Annual Conference, Canmore, Canada. Selected Speaker. June 2014.

Blaikley, J., **Godri Pollitt, K.J.**, Zhang, S., Guo, Y., Evans, G.J., Kashavjee, S., Singer, L., Chow, C.-W. *An investigation into the relationship between road density and lung function after double lung transplantation*. International Society for Heart & Lung Transplantation 34th Annual Meeting, San Diego, CA. Poster Presenter. April 2014.

Chow, C.-W., Sepehr, S., Wang, X., **Godri Pollitt, K.J.**, Chakir, J., Scott, J. *Syk mediates airway hyper-responsiveness and airway remodeling in a chronic mouse model of house dust mite induced allergic airways disease*. European Respiratory Annual Congress, Barcelona, Spain. Poster. September 2013.

Sabaliauskas, K., Jaroudi, E., Jeong, C.-H., Wang, J.M., Myhaylova, M., **Godri Pollitt K.J.**, Kearney, J., Wheeler, A., Kulka, R., You, H., Evans, G.J. *The Spatial Characterisation of Ultrafine Particles in Toronto (SCULPT) Study: The winter campaign*. American Association for Aerosol Research, 32th Annual Conference, Portland, OR. Selected Speaker. October 2013.

Zimmerman, N., **Godri Pollitt, K.J.**, Jeong, C.-H., Jung, T., Cooper, J., Wallace, J.S., Evans, G.J. *Accurate measurement of particle size and number concentration for meeting regulatory limits on vehicle emissions: Inter-comparison of three particle size instruments*. American Association for Aerosol Research, 32th Annual Conference, Portland, OR. Selected Speaker. October 2013.

Zimmerman, N., **Godri, K.J.**, Jeong, C.-H., Jung, T., Cooper, J., Wallace, J.S., Evans, G.J. *Physico-chemical Assessment of Biodiesel Vehicle Fuel Exhaust Emissions and the Effect of New Emission Control Devices: The EMITTED Study*. American Association for Aerosol Research, 31th Annual Conference, Minneapolis, MN. Poster Presenter. October 2012.

Jeong, C.-H., **Godri, K.J.**, Evans, G.J. *High-Time Resolution Measurement of Particulate Matter Mass and Chemical Speciation*. American Association for Aerosol Research, 31th Annual Conference, Minneapolis, MN. Poster Presenter. October 2012.

Cooper, J., **Godri, K.J.**, Zimmerman, N., Jeong, C.-H., Jung, T., Wallace, J.S., Evans, G.J. *Toxicological Assessment of Emerging Diesel Fuel Emissions: The EMITTED Study*. American Association for Aerosol Research, 31th Annual Conference. Minneapolis, MN. Poster Presenter (*Awarded the Conference Poster Prize*). October 2012.

Janssen, N.A.H., Strak, M.M., Steenhof, M., Gosens, I., **Godri, K.J.**, Mudway, I.S., Kelly, F.J., Harrison, R.M., Brunekreef, B., Cassee, F.R., Hoek, G. *Associations between Ambient Air Pollution and Biomarkers of Systemic Inflammation, Epithelial Permeability and Oxidative Stress in Healthy Volunteers*. International Society for Environmental Epidemiology, 24nd Annual Conference. Columbia, SC. Poster Presenter. September 2012.

Godri, K.J., Kelly, F.J., Harrison, R.M., Hanley, C., Steenhof, M., Strak, M.M., Gosens, I., Cassee, F.R., Lebet, E., Brunekreef, B., Hoek, G., Janssen, N.A.H. Mudway, I.S. *Acute upper airway effects of catalytically active metals particulate deposition following real-world human subject exposures*. Society for Free Radical Research International Biennial Meeting. London, United Kingdom. Poster Presenter. September 2012.

Strak, M.M., Steenhof, M., **Godri, K.J.**, Gosens, I., Cassee, F.R., Mudway, I.S., Kelly, F.J., Harrison, R.M., Lebet, E., Brunekreef, B., Hoek, G., Janssen, N.A.H. *Relation between fractional exhaled NO and lung function and exposure to ambient particulate matter from contrasting sources*. European Respiratory Society Annual Meeting. Amsterdam, The Netherlands. Poster Presenter. September 2011.

Godri, K.J., Mudway, I.S., Duggan, S.T., Kelly, F.J. *Redox and electrophilic properties of toxicologically relevant ambient PM chemical constituents*, Royal Society of Chemistry, Automation & Analytical Management Group: Monitoring Ambient Air Meeting. London, United Kingdom. Poster Presenter. December 2010.

Godri, K.J., Hanley, C. Strak, M.M., Steenhof, M., Mudway, I.S., Kelly, F.J., R.M. Harrison, Hoek, G., Brunekreef, B., Lebet, E., Cassee, F.R., Gosens, I., Janssen, N.A.H.. *Quantifying the upper airway antioxidant responses of healthy volunteers exposed to ambient pollution during real-world exposures at sites with contrasting emission sources*. European Respiratory Society Annual Meeting. Barcelona, Spain. Selected E-communication. September 2010.

Strak, M.M., Steenhof, M., **Godri, K.J.**, Gosens, I., Cassee, F.R., Hoek, G., Mudway, I.S., Kelly, F.J., Harrison, R.M., Lebet, E., Lebet, E., Brunekreef, B., Janssen, N.A.H. *Physical, Chemical, and Oxidative Characterization of Particles From Locations With Contrast in Local Source Emissions: Exposure and Health Assessment in the RAPTES Study*,

International Society for Environmental Epidemiology, 22nd Annual Conference. Seoul, Korea. Poster Presenter. August 2010.

Godri, K.J., Steenhof, M., Strak, M.M., Mudway, I.S., Kelly, F.J., Harrison, R.M., Hoek, G., Brunekreef, B., Lebret, E., Cassee, F.R., Gosens, I., Janssen, N.A.H.. *Quantification of PM chemical composition and human health response to underground transit exposure*. International Aerosol Conference. Helsinki, Finland. Selected Speaker. August 2010.

Steenhof, M., Willemsen, K.J., Strak, M.M., Fokkens, P.H.B., Boere, A.J.F., Leseman, D.L.A.C., **Godri, K.J.**, Mudway, I.S., Kelly, F.J., Harrison, R.M., Hoek, G., Brunekreef, B., Lebret, E., Cassee, F.R., Janssen, N.A.H., Pieters, R.H.H., Gosens, I. *Particles from Dutch underground induce pulmonary inflammation in vitro and in vivo*. Society for Toxicology Annual Meeting. Salt Lake City, UT. Poster Presenter. March 2010.

Godri, K.J., Strak, M.M., Steenhof, M., Mudway, I.S., Kelly, F.J., Harrison, R.M., Hoek, G., Brunekreef, B., Lebret, E., Cassee, F.R., Gosens, I., Janssen, N.A.H.. *Chemical determinants of in vitro particulate oxidative burden*. American Association for Aerosol Research: Air Pollution and Health. San Diego, CA. Selected Speaker, March 2010.

Godri, K.J., Strak, M.M., Steenhof, M., Mudway, I.S., Kelly, F.J., Harrison, R.M., Hoek, G., Brunekreef, B., Lebret, E., Cassee, F.R., Gosens, I., Janssen, N.A.H.. *Size fractionated PM chemical composition characteristics at microenvironments with contrasting local emission scenarios*. American Association for Aerosol Research: Air Pollution and Health. San Diego, CA. Selected Speaker, March 2010.

Godri, K.J., Strak, M.M., Steenhof, M., Mudway, I.S., Kelly, F.J., Harrison, R.M., Hoek, G., Brunekreef, B., Lebret, E., Cassee, F.R., Gosens, I., Janssen, N.A.H.. *Assessing the equivalence of PM chemical composition and redox characteristics in samples collected using a low-pressure impactor and a particle concentrator system*. American Association for Aerosol Research: Air Pollution and Health. San Diego, CA. Poster Presenter, March 2010.

Godri, K.J., Duggan, S.T., Fuller, G.W., Baker, T., Green, D.C., Kelly, F.J., Mudway, I.S. *PM toxicity from waste transfer station activity*. Royal Society of Chemical Automation & Analytical Management Group: Monitoring Ambient Air Meeting. London, United Kingdom. Selected Speaker, December 2009.

Godri, K.J., Mudway, I.S., Kelly, F.J., Harrison, R.M., Strak, M.M., Steenhof, M., Fokkens, P.H.B., Boere, A.J.F., Leseman, D.L.A.C., Meliefste, K., Hoek, G., Brunekreef, B., Lebret, E., Cassee, F.R., Gosens, I., Janssen, N.A.H.. *Physicochemical and in vitro oxidative characterisation of size fractionated PM at microenvironments with contrasting local emissions scenarios*. European Aerosol Conference. Karlsruhe, Germany. Selected Speaker, 2009.

Godri, K.J., Mudway, I.S., Kelly, F.J., Harrison, R.M., Strak, M.M., Steenhof, M., Fokkens, P.H.B., Boere, A.J.F., Leseman, D.L.A.C., Meliefste, K., Hoek, G., Brunekreef, B., Lebret, E., Cassee, F.R., Gosens, I., Janssen, N.A.H.. *Physico-chemical and in vitro oxidative characterisation of size fractionated PM at microenvironments with contrasting local emissions scenarios*. Health Effects Institute Annual Meeting. Portland, OR. Poster Presenter, May 2009.

Yao, X., Evans, G.J., Jeong, C.-H., **Godri, K.J.**, Ng, A. *Fast-response particle sizers open a pathway for studying short-term new particle formation events in the atmosphere*. American Association for Aerosol Research 27th Annual Conference. Orlando, FL. Selected Speaker, October 2008.

Strak, M.M., Steenhof, M., Fokkens, P.H.B., Boere, A.J.F., Leseman, D.L.A.C., Meliefste, K., Harrison, R.M., **Godri, K.J.**, Kelly, F.J., Mudway, I.S., Hoek, G., Brunekreef, B., Lebret, E., Cassee, F.R., Gosens, I., Janssen, N.A.H.. *Characterization of Different Fractions of Particulate Matter at Various Locations with Contrast in Local Source Emissions: First Phase of the RAPTES Study*. International Society for Environmental Epidemiology & International Society of Exposure Assessment. Pasadena, CA. Selected Speaker, 2008.

Godri, K.J., Mudway, I.S., Fuller, G.W., Green, D., Kelly, F.J. *Comparison of PM oxidative capacity associated with fireworks and vehicular emissions*. Thessaloniki, Greece. Selected Speaker, August 2008.

Godri, K.J., Mudway, I.S., Fuller, G.W., Baker, T., Green, D., Kelly, F.J. *Oxidative capacity of ambient PM₁₀ collected at an industrial waste transfer facility*. UK Annual Review Meeting on Outdoor and Indoor Air Pollution Research. Cranfield, United Kingdom. Poster Presenter, April 2008.

Godri, K.J., Evans, G.J. *Implications of atmospheric SO₂ and aerosol SO₄²⁻ variability and transport on particle acidity in Toronto, Canada*. American Association for Aerosol Research 26th Annual Conference. Reno, NV. Poster Presenter, September 2007.

Godri, K.J., Evans, G.J. *Seasonal and diurnal variations in water soluble inorganic fine particulate matter and associated gas precursors*. American Association for Aerosol Research 26th Annual Conference. Reno, NV. Poster Presenter, September 2007.

Godri, K.J., Slowik, J., Abbatt, J., Evans, G.J. *Wintertime nitrate size distribution as an indicator of regional or local sources during the 2007 Seasonal Particulate Observations in the Region of Toronto (SPORT) Campaign*. American Association for Aerosol Research 26th Annual Conference. Reno, NV. Selected Speaker, September 2007.

Jeong, C.-H., **Godri, K.J.**, Knox, A.J., Evans, G.J. *Temporal Characterization of Individual Ambient Particles by using Aerosol Time of Flight Mass Spectrometry (ATOFMS)*. American Association for Aerosol Research 26th Annual Conference. Reno, NV. Poster Presenter, September 2007.

Evans, G.J., Abbatt, J.P.D., Brook, J.R., **Godri, K.J.**, Jeong, C.-H., Knox, A.J., Lu, G., McGuire, M., Sabaliauskas, K., Slowik, J.G., Vlasenko, A., Yao, X. *Seasonal Changes in Aerosol Characteristics in Toronto, Canada*. American Association for Aerosol Research 26th Annual Conference. Reno, NV. Poster Presenter, September 2007.

Godri, K.J. Evans, G.J. *High Time Resolution of Aerosol and Gaseous Species in downtown Toronto using a Gas-Particle Ion Chromatography System*. International Aerosol Conference. Minneapolis, MN. Poster Presenter, October 2006.

Selection of Invited Talks

Godri Pollitt. K.J. (2020) École Polytechnique Fédérale de Lausanne (EPFL) Environmental Engineering Seminar Series, Invited Virtual Seminar; Lausanne, Switzerland. *Exposure Biography: Using External Measures to Map your Chemical Exposome*.

Godri Pollitt. K.J. (2020) Columbia University Exposome Bootcamp, Invited Virtual Seminar; New York, NY. *GC Orbitrap for Exposomics*.

Godri Pollitt. K.J. (2020) NYC Exposome Symposium, Invited Seminar; New York, NY. *Profiling the Airborne Organic Exposome*.

Godri Pollitt. K.J. (2020) INDO-SWEDISH Conference on Clinical, Epidemiological and Experimental Approaches to Assess Air Pollution Related Chronic Health Effects, Invited Seminar; Mysore, India.

Godri Pollitt. K.J. (2019) Karolinska Institute, Institute of Environmental Medicine, Invited Seminar; Stockholm, Sweden.

Godri Pollitt. K.J. (2019) Society for Free Radical Research Europe, Invited Lecture; Ferrara, Italy. *Comparison of Airway Responses Induced in Mouse Models by the Gas and Particulate Fractions of Gasoline Direct Injection Engine Exhaust*.

Godri Pollitt. K.J. (2018) European Respiratory Society Research Seminar: The impact of air pollution on respiratory health, Invited Seminar; Berlin, Germany. *Is PM mass still the best metric?*

Godri Pollitt. K.J. (2018) Harvard University, School of Public Health, Invited Seminar; Boston, MA. *Exposure Biography: Using External Measures to Map your Exposome*.

Godri Pollitt. K.J. (2017) Yale University, School of Public Health, Invited Seminar; New Haven, CT. *Mapping your Exposome using the Fresh Air Wristband*.

Godri Pollitt. K.J. (2017) Pioneer Valley Asthma Coalition Meeting, Invited Seminar; Springfield, MA. *Personalising Our Understanding of Air Pollution Exposure*.

Godri Pollitt. K.J. (2015) Annual Mining Diesel Emissions Council Conference, Invited Keynote; Toronto, Canada. *NO₂: Underground: What Exposure Level is Safe?*

Godri Pollitt. K.J. (2014) University of Toronto, Dalla Lana School of Public Health, Invited Seminar; Toronto Canada. *Air Pollution Cocktail: Linking Environmental Exposure to Chronic Disease*

Godri Pollitt. K.J. (2014) University of Massachusetts, School of Public Health and Health Sciences, Invited Seminar; Amherst MA, USA. *Air Pollution Cocktail: Linking Environmental Exposure to Chronic Disease*

Godri Pollitt. K.J. (2013) University of Toronto, School of the Environment, Invited Seminar; Toronto Canada. *Air Pollution Cocktail: Which pollutants drive adverse health effects?*

Godri. K.J. (2012) Health Canada, Air Quality Health Index Health Messages Review Workshop; Vancouver, Canada. *Ambient air pollution induced acute respiratory responses in healthy subjects*.

Godri. K.J. (2011) Chartered Institute of Water and Environmental Management; London, UK. *Air pollution and health, effects on the lung and beyond*.

Godri. K.J. (2011) University of Toronto, Department of Chemical Engineering and Applied Chemistry, Invited Seminar; Toronto, Canada. *Assessing the acute systemic and respiratory impacts of contrasting ambient air pollution scenarios on healthy subjects*

Godri. K.J. (2011) Harvard University, School of Public Health, Invited Seminar; Boston, USA. *Acute systemic and respiratory impacts of ambient air pollution exposure in healthy subjects*

Godri. K.J. (2010) Environmental Protection UK Spring Workshop; Rugby, UK. *A review of current research on mechanisms for damage caused by air pollution.*

Godri. K.J. (2010) Wessex UK Respiratory SpR Training Day; Winchester, UK. *Air pollution related respiratory health effects: Synthesis of epidemiology and toxicology evidence.*

Current or Recent Professional Memberships

American Association for Aerosol Research
International Society for Environmental Epidemiology
Professional Engineers of Ontario

American Society for Mass Spectrometry
International Society for Exposure Science
American Chemical Society

Ad Hoc Peer Review Activities

Journals

Aerosol and Air Quality Research, Aerosol Science and Technology, Atmospheric Environment, BMJ Open, Ecotoxicology and Environmental Safety, Environmental Health, Environmental Health Perspectives, Environment International, Environmental Science, Environmental Science and Technology, European Respiratory Journal, International Journal of Molecular Sciences, Journal of Hazardous Materials, Science of the Total Environment, Scientific Reports, World Health Organization European Centre for the Environment and Health

Grant Review

NSF SBIR/STTR *Review Panel 2020, 2021*
NIH National Institute on Alcohol Abuse & Alcoholism (NIAAA) Study Section, *Reviewer 2020*
Israel Science Foundation, 2019
NIH Adult Psychopathology and Disorders of Aging Study Section, *Ad hoc reviewer 2017, 2018*
Medical Research Council (UK), Neurosciences and Mental Health Board 2017
Health Canada, Clean Air Regulatory Agenda Program 2016
Research Councils UK, Newton Fund, NERC 2016

Other Research-Related Activities

Associate Editor, *Exposome* (Oxford University Press)

Associate Editor, *Air Quality, Atmosphere & Health* (Springer, IF=2.847)

Editorial Board, *Toxics* (MDPI, IF=2.84)

Chair, Health-Related Aerosols working group, American Association for Aerosol Research, 2018 - Present

Session Chair at American Society for Mass Spectrometry Annual Meeting 2018: *Exposomics*.

Steering Committee Member, Pioneer Valley Asthma Coalition, 2017 – Present.

Session Chair, Moving Together Conference: Engaging Young People in Healthy Transportation, Boston, MA. September 2017.

Centre for Research on Families Scholar, University of Massachusetts Amherst, 2017-2018

Sustainability Curriculum Fellow, University of Massachusetts Amherst, 2016-2017

Society for Free Radical – Europe: Free Radical Summer School - Lipid peroxidation-and free radical-signalling: role in pathophysiology. Spetes, Greece, August 2008. Presentation: *Comparison of PM oxidative capacity associated with fireworks and vehicular emissions.*

Summer School on Organic Aerosols: Ispra, Italy, June 2010. Presentation: *Redox and electrophilic properties of toxicologically relevant ambient PM chemical components*

Co-Chair at European Aerosol Conference 2009: Aerosol Chemistry Session (Chemical Characterisation of Aerosols: Composition, Identification, and Sources)

Best Poster Prize Committee Member: European Aerosol Conference 2009 and 2011; International Aerosol Conference 2010; American Association for Aerosol Research 2013

Teaching Experience (Full Semester Courses)

EHS 513: Major Health Threats

Yale School of Public Health
Spring 2021

EHS 530 / F&ES 608a: Air Pollution and Public Health

Yale School of Public Health
Fall 2019, 2020

PUBHLTH 397 BH: Air Pollution and Health, 4 Credits

UMass Amherst, Commonwealth Honors College, Physical Sciences Gen Ed Course
Fall 2015, Spring 2016, 2017

PUBHLTH 290 KH: Environmental Epigenetics, 4 Credits

UMass Amherst, Commonwealth Honors College, Biological Sciences Gen Ed Course
Fall 2016

EHS 490VS / EHS 790VS: Seminars in Environmental Health, 1 Credit

UMass Amherst, Environmental Health Sciences
Fall 2016

EHS 691B: Seminars in Research Methods, 3 Credits

UMass Amherst, Environmental Health Sciences
Fall 2016

PUBHLTH 303: Introduction to Environmental Health, 1 Credit

UMass Amherst, Honors Colloquium
Spring 2015

Teaching Experience (Invited Courses)

Course Development, Health and Safety e-Learning Modules, Minvera Canada

- Development of two online interactive undergraduate engineering learning modules on Hazard & Risk Identification and Quantitative Risk Assessment Methods.
- Course material was design in collaboration with DuPont Canada.

Invited Lecturer, Environmental Chemistry (CHE230), Chemical Engineering, University of Toronto

- Prepared and delivered five introductory air pollution lectures. Topics included atmospheric chemistry, air pollution and health, environmental pollutant measurement techniques, occupational and environmental pollutant regulatory standards, and climate change.

Course Instructor, DEEP Summer Academy, University of Toronto (2007, 2008, 2009)

- Designed and taught a one-week intensive course for gifted secondary school students called Engineer Your Environment: From Climate Change to Alternative Energy Solutions.
- The five-day course consisted of morning lectures and afternoon laboratory sessions.
- The environmental engineering themed course discussed sustainability and climate change, air quality, water systems, renewable energy sources and the implication of a changing environment on public policy and health.
- The course was run for 3 years and included 25 students from Grade 9 – 12.

Teaching Assistant, Chemical Engineering and Applied Chemistry, University of Toronto

- Environmental Chemistry, CHE230 – 2007
- Separation Processes, CHE311 – 2006
- Process Design Laboratory, CHE324 – 2006, 2007
- Risk Based Safety Management, CHE561 – 2013

Mentoring Experience

Postdoctoral Research Fellows

Dong Gao	2020 - Present
Jeremy Koelmel	2019 - Present
Cristina Martin	2017 - 2018
Rassil Sayess	2017 - 2018
Massimiliano Mascelloni	2015 - 2017

Graduate Students

Matthew Paige (MPH, Biostatistics)	2019 - Present
Yakun Zhou (MPH, Environmental Health Sciences)	2019 - Present
Truc Ly (MPH, Environmental Health Sciences)	2019 - 2020
Bethany Sanchez (MPH, Environmental Health Sciences)	2019 - 2020
Javier Alfonso Garrido (Ph.D., Environmental Health Sciences)	2018 - 2020
Celia Chen (MPH, Environmental Health Sciences)	2018 - 2019
Jieqiong Zhou (MPH, Environmental Health Sciences)	2018 - 2020
Sarah Esenther (MPH, Environmental Health Sciences)	2018 - 2020
Elizabeth Lin (MPH, PhD Environmental Health Sciences)	2018 - Present
Fareeha Irfan (MPH., Health Policy and Promotion)	2017 - 2018
Jennifer Gaudreau (M.S., Epidemiology)	2017 - 2018
Molly Bialecki (M.S., Civil and Environmental Engineering)	2017
Jose A. Santiago Roque (MPH, Environmental Health Sciences)	2017
Stephanie Hung (M.S., Environmental Health Sciences)	2016 - 2018
Angela Huang (M.A.Sc. Chemical Engineering)	2014
Yicen Guo (M.Sc., Biostatistics)	2013 - 2014
Xinyu Huang (MPH, Occupational and Environmental Health)	2012 - 2013
Josephine Cooper (M.A.Sc., Chemical Engineering)	2011 - 2013

Undergraduate Students

Amy Nichols (B.S., Chemical and Environmental Engineering)	2020
Fiona O'Brien (B.S., Chemical and Environmental Engineering)	2019 - 2020
Kayley Delay (B.S., Chemical and Environmental Engineering)	2019 - Present
Alexander De Jesus (B.S., Environmental Science)	2019 - 2020
Alex Chen (B.S., Computer Science)	2019 - 2020
Paul Stelben (B.A., Music)	2019 - Present
Tina Savvaidis (B.S, Public Health)	2019 - Present
Michaella Park (B.S., Environmental Science)	2019
Patrick Acer (B.S., Biology)	2018
Joseph Cao (B.S., Computer Engineering)	2017 - 2018
Sarah Esenther (B.S., Civil and Environmental Engineering)	2017 - 2018
Hannah Wharton (B.S., Civil and Environmental Engineering)	2017 - 2018
Michael Young (B.S., Biochemistry)	2017 - 2018
Britney Pine (B.S., Public Health and Computer Science)	2016 - 2018
Elizabeth Lin (B.S., Civil and Environmental Engineering)	2016 - 2018
Kate Amber (B.S. Environmental Conservation)	2016 - 2018
Dany Chhan (B.S. Public Health)	2016 - 2018
Rachael Lyons (B.S., Environmental Studies)	2016 - 2017
Samuel Schlesinger (B.S., Computer Science)	2016
Cameron Morose (B.S., Psychology)	2016
Caitlin Maikawa (B.A.Sc., Chemical Engineering)	2013 - 2015
Jandi Kim (B.A.Sc., Chemical Engineering)	2014

Farhan Manoor (B.A.Sc., Engineering Science)
Josephine Cooper (B.Sc., Biochemistry)
Cara Hanley (B.Sc., Biochemistry)

2013
2011 - 2012
2010 – 2011