

Perry Hystad, Ph.D.

Associate Professor
College of Public Health & Human Sciences
Oregon State University
Perry.Hystad@oregonstate.edu

A. PERSONAL STATEMENT

I am an Associate Professor in the College of Public Health and Human Sciences at Oregon State University, USA; Program Director of the Environmental and Occupational Health program; and lead the Spatial Health Lab (<http://health.oregonstate.edu/labs/spatial-health>). My research focuses on environmental exposure assessment and epidemiology – with applications to air pollution, healthy cities, and climate resilience. I am an avid collaborator and believe that the most pressing environmental health problems must be addressed with interdisciplinary team science. I have published over 100 articles examining environmental health issues (Citations: 8206, h-Index: 45, i10-Index: 98); received over 11 million dollars in research funding, supporting local, national, and international research; and serve on multiple grant review panels and scientific advisory boards.

B. EDUCATION & EMPLOYMENT

Education

- PhD, School of Population & Public Health, University of British Columbia 2013
- MSc, Geography, University of Victoria 2007
- BSc. (Honor), Geography, University of Victoria 2004

Professional Experience

- Associate Professor, College of Public Health and Human Sciences, OSU 2018 – present
- Assistant Professor, College of Public Health and Human Sciences, OSU 2013 – 2018
- Researcher, Cancer Care Ontario 2012 – 2013
- Research Consultant, Health Canada 2012 – 2013
- Consultant, Environment Canada 2011 – 2013
- Researcher, Carex Canada, University of British Columbia 2007 – 2013

C. SCHOLARSHIP & CREATIVE ACTIVITY

*Student or mentee, †Developed concept and design, ‡Obtained data, §Analyzed data, ||Content expertise, #Interpreted results, **Wrote manuscript, ††Critical revision of manuscript
Journal Impact Factor (IF)

Manuscripts Under Review and In Preparation

1. **Hystad P**, Amram O, Oje F., Larkin A, Boakye K, Avery A, Gebremedhin A, Duncan G. (2022). Bring Your Own Location Data: Use of Google Smartphone Location History Data for Environmental Health Research. Environmental Health Perspectives (Under review Jan 2022).
2. **Hystad P**, Rugel E, Larkin A, et al. Yusuf, S. Urban Green Space and Health: Findings from 338 Communities in 19 Countries within the Prospective Urban and Rural Epidemiology Study. Lancet Planetary Health (Under review Jan 2022).

Dr. Perry Hystad, Abbreviated CV

3. Willis M, Schrank D, Xu Chunxue, Harris H, Ritz B, Hill E, **Hystad P**. A population-based cohort study of traffic congestion and infant growth using connected vehicle data. *Science Advances* (Revisions submitted April 2022).
4. Boakye K, Bovbjerg M, Schuna J, Branscum A. et al. **Hystad P**. Urbanization and Physical Activity in the Global Prospective Urban and Rural Epidemiology Study. *Nature Communications* (Submitted April 2022).
5. John Paul Bigouette, Jeffrey Bethel, Justin Wettstein, Adam Branscum, David Wrathall, **Hystad, P**. Application and Evaluation of Daily Heat Exposure Metrics using the Global Land Data Assimilation Products: Results from the Multi-National Prospective Urban Rural Epidemiology Study. *Environmental Research* (under review March 2022)
6. John Paul Bigouette, Jeffrey Bethel, Justin Wettstein, Adam Branscum, David Wrathall, Salim Yusuf, **Hystad, P**. Acute Temperature Exposure and Mortality in the Prospective Urban and Rural Epidemiology Cohort: A Case-Crossover Study in 764 Communities and 22 Countries. In preparation
7. **Hystad, P**, Larkin A., Lizhong D., Krishna, A., Amram O, Tsang S., Avery A., Duncan G. Deep Learning of Street View Imagery to assess Urban Green Space Relationships with Mental Health: A Twin Study. In preparation.
8. Larkin, A, Krishna A, Lizhong C, **Hystad P**. Measuring and Modelling Perceptions of the Urban Environment for Epidemiological Research Using Crowd-Sourcing and Image-Based Deep Learning Models. In preparation.

Refereed Publications

1. Wang Y, Shupler M, Birch A, et al. **Hystad P**. (2022) Measuring and predicting personal and household Black Carbon levels from 88 communities in eight countries. *Science of The Total Environment*. 818 (20) 151849. <https://doi.org/10.1016/j.scitotenv.2021.151849> ††\$||#** IF:8.0
2. Shupler M, **Hystad P**, Birch A, Chu Y, Jeronimo M, Miller-Lionberg D, et al. Brauer M. (2022). Multinational prediction of household and personal exposure to fine particulate matter (PM2.5) in the PURE cohort study. *Environment International* 59 (15). 107021. doi.org/10.1016/j.envint.2021.107021 ††\$||#** IF:9.6
3. Olaniyan T, Pinault L, Li C, Donkelaar A, Meng J, Martin R, Hystad P, Robichaud A, Menard R, Tjepkema M, Bai L, Kwong J, Lavigne E, Burnett R, Chen H. (2022). Ambient air pollution and the risk of acute myocardial infarction and stroke: A national cohort study. *Environmental Research*, 204: 111975. doi.org/10.1016/j.envres.2021.111975 ||#†† IF:6.5
4. Odo D, Yang I, Dey S, Hammer M, Donkelaar A, Martin R, Dong GH, Yang BY, **Hystad P**, Knibbs L. (2022) Ambient air pollution and acute respiratory infection in children aged under 5 years living in 35 developing countries. *Environment International*. 159 (15) <https://doi.org/10.1016/j.envint.2021.107019> ||#†† IF:7.9
5. S. C. Anenberg, Mohegh, A., Goldberg, D. L., Kerr, G. H., Brauer, M., Burkart, K., **Hystad, P.**, Larkin, A., Wozniak, S., and Lamsal, L., “Long-term trends in urban NO concentrations and associated paediatric asthma incidence: estimates from global datasets.”, *Lancet Planet Health*, vol. 6, no. 1, pp. e49-e58, 10.1016/S2542-5196(21)00255-2 ††\$||#** IF:19.2
6. Sims K, Smit E, Batty D, **Hystad P**, Odden M. (2022). Intersectional Discrimination and Change in Blood Pressure Control Among Older Adults: The Health and Retirement Study. *Journal of Gerontology: Series A*. 77(2): 375-382. doi.org/10.1093/gerona/glab234 ||#†† IF:6.4

7. E. J. Rugel, Chow, C. K., Corsi, D. J., **Hystad, P.**, Rangarajan, S., Yusuf, S., and Lear, S. A. (2022). Developing indicators of age-friendly neighbourhood environments for urban and rural communities across 20 low-, middle-, and high-income countries. *BMC Public Health*, 22 (1): 87. 10.1186/s12889-021-12438-5. ||#†† IF:5.6
8. Larkin A, **Hystad P.** Integrating Geospatial Data and Social Media in Bidirectional Long-Short Term Memory Models to Capture Human Nature Interactions. *The Computer Journal*. 65(3): 667-678. <https://doi.org/10.1093/comjnl/bxaa094> ††\$||#** IF:1.5
9. Johnson M, Shin H, Roberts E, Sun L, Fisher M, **Hystad P.**, Donkelaar A, Martin R, Fraser W, Lavigne E, Clark N, Beaulac V, Arbuckle T. (2022) Critical Time Windows for Air Pollution Exposure and Birth Weight in a Multicity Canadian Pregnancy Cohort. *Epidemiology* (33)1: 7-16. 10.1097/EDE.0000000000001428 ||#†† IF:4.8
10. Villeneuve P, Lam S, Tjepkema M, Pinault L, Crouse D, Osornio-Varagas A, **Hystad P.**, Jerrett M, Lavigne E., Stieb D. (2022). Residential proximity to greenness and adverse birth outcomes in urban areas: Findings from a national Canadian population-based study. *Environmental Research*. 204. 112344. doi.org/10.1016/j.envres.2021.112344 ||#†† IF:6.5
11. Larkin, A., Gu X., Chen, L., **Hystad P.** (2021). Predicting perceptions of the built environment using GIS, satellite and street view image approaches. *Landscape and Urban Planning*. 216 (104257) doi.org/10.1016/j.landurbplan.2021.104257. ††\$||#** IF:5.1
12. M. D. Willis, Hill, E. L., Boslett, A., Kile, M. L., Carozza, S. E., and **Hystad, P.** (2021). "Associations between Residential Proximity to Oil and Gas Drilling and Term Birth Weight and Small-for-Gestational-Age Infants in Texas: A Difference-in-Differences Analysis.", *Environ Health Perspect*, vol. 129, no. 7, p. 77002. ††\$||#** IF:9.0
13. K. A. Boakye, Amram, O., Schuna, Jr, J. M., Duncan, G. E., and **Hystad, P.** (2021). "GPS-based built environment measures associated with adult physical activity", *Health & Place*, vol. 70, p. 102602. ††\$||#** IF:3.2
14. T. To, Zhu, J., Terebessy, E., Zhang, K., Fong, I., Pinault, L., Jerrett, M., Robichaud, A., Menard, R., van Donkelaar, A., Martin, R. V., **Hystad, P.**, Brook, J. R., Dell, S., and Stieb, D. (2021). "Does exposure to air pollution increase the risk of acute care in young children with asthma? An Ontario, Canada study.", *Environ Res*, vol. 199, p. 111302, 2021. ††\$||#** IF:5.0
15. Z. Zhang, Wang, J., Kwong, J. C., Burnett, R. T., van Donkelaar, A., **Hystad, P.**, Martin, R. V., Bai, L., McLaughlin, J., and Chen, H. (2021). "Long-term exposure to air pollution and mortality in a prospective cohort: The Ontario Health Study.", *Environ Int*, vol. 154, p. 106570. ††\$||#** IF:5.0
16. V. A. Southerland, Anenberg, S. C., Harris, M., Apte, J., **Hystad, P.**, van Donkelaar, A., Martin, R. V., Beyers, M., and Roy, A. (2021). "Assessing the Distribution of Air Pollution Health Risks within Cities: A Neighborhood-Scale Analysis Leveraging High-Resolution Data Sets in the Bay Area, California", *Environmental Health Perspectives*, vol. 129, no. 3. ††\$||#** IF:9.0
17. K. D. Sims, Smit, E., Batty, G. David, **Hystad, P.**, and Odden, M. C(2021). Intersectional Discrimination and Change in Blood Pressure Control among Older Adults: The Health and Retirement Study, *The Journals of Gerontology: Series A*. ††\$||#** IF:6.1
18. Hudson-Hanley, Smit, E., Branscum, A. J., **Hystad, P.**, and Kile, M. L. (2021). Trends in urinary metabolites of polycyclic aromatic hydrocarbons (PAHs) in the non-smoking U.S. population, NHANES 2001-2014, *Chemosphere*, vol. 276, p. 130211. ††\$||#** IF:7.1

19. S. Hankey, Zhang, W., Le, H. T. K., **Hystad, P.**, and James, P. (2021). "Predicting bicycling and walking traffic using street view imagery and destination data", *Transportation Research Part D: Transport and Environment*, vol. 90, p. 102651. †‡§||#** IF:4.1
20. Shupler, M, **Hystad P**, Birch A. et al. (2020). Household and personal air pollution exposure measurements from 120 communities in eight countries: results from the PURE-AIR study. *Lancet Planetary Health* : 4(10), E451-E462. DOI:[https://doi.org/10.1016/S2542-5196\(20\)30197-2](https://doi.org/10.1016/S2542-5196(20)30197-2) †‡§||#** IF:19.2
21. R. E. Arku, Brauer, M., Duong, M. L., Wei, L., Hu, B., Tse, L. Ah, Mony, P. K., Lakshmi, P. V. M., Pillai, R. K., Mohan, V., Yeates, K., Kruger, L., Rangarajan, S., Koon, T., Yusuf, S., and **Hystad, P.** (2020). Adverse health impacts of cooking with kerosene: A multi-country analysis within the Prospective Urban and Rural Epidemiology Study, *Environmental Research*, vol. 188, p. 109851. †‡§||#** IF:5.0
22. **Hystad, P**, Larkin, A, et al. Yusuf, S, Brauer, M. (2020). "Associations of outdoor fine particulate air pollution and cardiovascular disease in 157 436 individuals from 21 high-income, middle-income, and low-income countries (PURE): a prospective cohort study.", *Lancet Planet Health*, vol. 4, no. 6, pp. e235-e245, 2020. †‡§||#** IF:19.2
23. D. L. Crouse, Erickson, A. C., Christidis, T., Pinault, L., van Donkelaar, A., Li, C., Meng, J., Martin, R. V., Tjepkema, M., **Hystad, P.**, Burnett, R., Pappin, A., Brauer, M., and Weichenthal, S., "Evaluating the Sensitivity of PM2.5-Mortality Associations to the Spatial and Temporal Scale of Exposure Assessment.", *Epidemiology*, vol. 31, no. 2, pp. 168-176, 2020. ||#†† IF: 5.1
24. D. Doiron, Setton, E. M., Shairsingh, K., Brauer, M., **Hystad, P.**, Ross, N. A., and Brook, J. R., "Healthy built environment: Spatial patterns and relationships of multiple exposures and deprivation in Toronto, Montreal and Vancouver.", *Environ Int*, vol. 143, p. 106003, 2020. ||#†† IF: 7.9
25. L. A. Paul, **Hystad, P.**, Burnett, R. T., Kwong, J. C., Crouse, D. L., van Donkelaar, A., Tu, K., Lavigne, E., Copes, R., Martin, R. V., and Chen, H., "Urban green space and the risks of dementia and stroke.", *Environ Res*, vol. 186, p. 109520, 2020. ||#††IF:5.0
26. B. M. Welch, Branscum, A. J., Geldhof, G. J., Ahmed, S. M., **Hystad, P.**, Smit, E., Afroz, S., Megowan, M., Golam, M., Sharif, O., Rahman, M., Quamruzzaman, Q., Christiani, D. C., and Kile, M. L., "Evaluating the effects between metal mixtures and serum vaccine antibody concentrations in children: a prospective birth cohort study.", *Environ Health*, vol. 19, no. 1, p. 41, 2020. ||#†† IF: 4.4
27. M. Elten, Donelle, J., Lima, I., Burnett, R. T., Weichenthal, S., Stieb, D. M., **Hystad, P.**, van Donkelaar, A., Chen, H., Paul, L. A., Crighton, E., Martin, R. V., Decou, M. Lou, Luo, W., and Lavigne, E., "Ambient air pollution and incidence of early-onset paediatric type 1 diabetes: A retrospective population-based cohort study.", *Environ Res*, vol. 184, p. 109291, 2020. ||#†† IF: 5.0
28. Arku R, Brauer M., other PURE investigators, Yusuf S, **Hystad P.** (2020) Long-term exposure to outdoor and household air pollution and blood pressure in the Prospective Urban and Rural Epidemiological (PURE) study. *Environmental Pollution*, 262. †‡§||#** IF:6.8
29. A. C. Erickson, Christidis, T., Pappin, A., Brook, J. R., Crouse, D. L., **Hystad, P.**, Li, C., Martin, R. V., Meng, J., Pinault, L., von Donkelaar, A., Weichenthal, S., Tjepkema, M., Burnett, R. T., and Brauer, M., "Disease assimilation: The mortality impacts of fine

- particulate matter on immigrants to Canada.”, *Health Rep*, vol. 31, no. 3, pp. 14-26, 2020. ||#†† IF: 2.7
30. C. Roper, Perez, A., Barrett, D., **Hystad, P.**, Simonich, S. L. Massey, and Tanguay, R. L., “Workflow for Comparison of Chemical and Biological Metrics of Filter Collected PM.”, *Atmos Environ* (1994), vol. 226, 2020. ||#†† IF: 4.0
31. **Hystad P**, Duong M, Brauer M, Larkin A, Arku R, Kurmi O, Fan W, Avezum A, Azam I, Chifamba J, Dans A, du Plessis J, Gupta R, Kumar R, Lanas F, Liu Z, Lu Y, Lopez-Jaramillo P, Mony P, Mohan V, Mohan D, Nair S, Puoane T, Rahman O, Lap A, Wang Y, Wei L, Yeates K, Rangarajan S, Teo K and Yusuf S (2019) Health Effects of Household Solid Fuel Use: Findings from 11 Countries within the Prospective Urban and Rural Epidemiology Study, *Environmental Health Perspectives*, 127:5, 057003<https://doi.org/10.1289/EHP3915>. ††\$||#** IF:8.1
32. Shupler, M, **Hystad P**, Gustofson P et al. (2019). Household, community, sub-national and country-level predictors of primary cooking fuel switching in nine countries from the PURE study. *Environmental Research Letters*; 14; 085006. doi.org/10.1088/1748-9326/ab2d46 ††\$||#** IF: 6.2
33. Jesus Serrano-Lomelin, Charlene C.Nielsen, M. Shazan Jabbar, Osnat Wine, Colin Bellingier, Paul Villeneuve , Dave Stieb ,Nancy Aelicks, Khalid Aziz, Irena Buka, Sue Chandra, Susan Crawford, Paul Demers, Anders C.Erickson, **Hystad P**, Manoj Kumar, Erica Phipps, Prakesh S.Shahm, Alvaro R.Osornio-Vargas. Interdisciplinary-driven hypotheses on spatial associations of mixtures of industrial air pollutants with adverse birth outcomes. *Environment International*. 131 104972. doi.org/10.1016/j.envint.2019.104972 ||#†† IF: 7.9
34. Anders Erickson, Michael Braur, Tanya Christidis, Lauren Pinault, Daniel Crouse, Aaron van Donkelaar, Scott Weichenthal, Amanda Pappin, Michael Jepkema, Randall V.Martin, Jeffrey R. Brook, **Hystad P**, Richard T. Burnett. (2019) Evaluation of a method to indirectly adjust for unmeasured covariates in the association between fine particulate matter and mortality. *Environmental Research*. 175: 108-116. doi.org/10.1016/j.envres.2019.05.010 *†||#†† IF: 5.0
35. Barrett M. Welch, Adam Branscum, Sharia M. Ahmed, **Perry Hystad**, Ellen Smit, Sakila Afroz, Meghan Megowan, Mostofa Golam, Md Omar Sharif Ibne Hasan, Mohammad L. Rahman, Quazi Quamruzzaman, David C. Christiani, Molly L. Kile (2019) Arsenic exposure and serum antibody concentrations to diphtheria and tetanus toxoid in children at age 5: A prospective birth cohort in Bangladesh. *Environment International*: 127 810-818. doi.org/10.1016/j.envint.2019.04.015 *†||#†† IF: 7.9
36. Pattanun Achakulwisut, Brauer, B, **Hystad P.**, Susan C. Anenberg (2019). Global, National, and urban burdens of pediatric asthma incidence attributable to ambient NO2 pollution. *Lancet Planetary Health*. 3(4): e-166-e178. [doi.org/10.1016/S2542-5196\(19\)30046-4](https://doi.org/10.1016/S2542-5196(19)30046-4) ||#†† IF: na
37. Sindana D Ilango, Hong Chen, **Hystad P**, Aaron van Donkelaar, Jeffrey C Kwong, Karen Tu, Randall V Martin, Tarik Benmarhnia (2019) The role of cardiovascular disease in the relationship between air pollution and incident dementia: a population-based cohort study. *International Journal of Epidemiology*; 1-9. doi: 10.1093/ije/dyz154 *†||#†† IF: 8.4
38. Howell N, Tu J, Moinuddin R, Chen R, Chu A, **Hystad P**, Booth G. (2019). Interaction between neighborhood walkability and traffic-related air pollution on hypertension and

- diabetes: The CANHEART cohort. *Environment International*. doi.org/10.1016/j.envint.2019.04.070 *†||#†† IF: 7.9
39. **Hystad P**, Payette Y, Noisel N, Boileau C. (2019) Green Space Associations with Mental Health and Cognitive Function: Results from the Quebec CARTaGENE Cohort. *Environmental Epidemiology*: 3(1): pe040 doi: 10.1097/EE9.0000000000000040 †‡\$||#** IF:na
40. Cusack L, Sbihi H, Chow A. et al. **Hystad P**. (2019) Residential Green Space and Pathways to Term Birth Weight in the Canadian Healthy Infant Longitudinal Development (CHILD) Study. *International Journal of Health Geographics*. 4;17(1):43. doi: 10.1186/s12942-018-0160-x †‡\$||#** IF: 3.4
41. Gogna P, Narain T, S'Sullina D, Villeneuve P, Demers P, **Hystad P**, Brenner D, Friedenreich C, King W and the ComParE Study Team (2019) Estimates of the current and future burden of lung cancer attributable to residential radon exposure in Canada. *Preventive Medicine*. 122: 100-108. doi.org/10.1016/j.ypmed.2019.04.005. *†||#†† IF:3.4
42. Gogna P, Narain T, S'Sullina D, Villeneuve P, Demers P, **Hystad P**, Brenner D, Friedenreich C, King W and the ComParE Study Team (2019) Estimates of the current and future burden of lung cancer attributable to PM2.5 in Canada. *Preventive Medicine*. 122: 91-99. doi.org/10.1016/j.ypmed.2019.03.010*†||#†† IF:3.4
43. Willis M, **Hystad P**. Hazardous Air Pollutants and Adverse Birth Outcomes in Portland, Oregon. *Environmental Epidemiology* (2019). *Environmental Epidemiology*; 3(1): pe034. doi: 10.1097/EE9.0000000000000034 †‡\$||#** IF:na
44. Ribeiro A, Downward G, Umbelino de Freitas C, Neta F, Cardoso M, Latorre M, **Hystad P**, Vermeulen R, Nardocci A. (2019) Incidence and mortality for respiratory cancer and traffic-related air pollution in São Paulo, Brazil. *Environmental Research* 170: 243-251. doi.org/10.1016/j.envres.2018.12.034. *†||#†† IF:5.0
45. Meng J, Martin R, van Donkelaar A, **Hystad P**, Brauer M. (2019). Estimated Long-Term (1981–2016) Concentrations of Ambient Fine Particulate Matter across North America from Chemical Transport Modeling, Satellite Remote Sensing, and Ground-Based Measurements. *Environ. Sci Technol*. 53(9): 5071-5079. doi.org/10.1021/acs.est.8b06875 *†||#†† IF:7.1
46. Li Bai, Richard T.Burnett, Jeffrey C.Kwong, **Perry Hystad**, Aaronvan Donkelaar, Mark Goldberg, Eric Lavigne, Scott Weichenthal, Randall Martin, Ray Copes,Mark S.Goldberg, Alexander Kopp, Hong Chen. Exposure to ambient air pollution and the incidence of lung cancer and breast cancer in the Ontario Population Health and Environment Cohort (ONPHEC). *International Journal of Cancer*. doi.org/10.1002/ijc.32575 ||#†† IF: 7.4
47. Arku R, Birch A, Shupler M, Yusuf S, **Hystad P**, Brauer M. (2018). Characterizing exposure to household air pollution within the Prospective Urban Rural Epidemiology (PURE) study. *Environment International*. 114:307-317. doi: 10.1016/j.envint.2018.02.033 *†||#†† IF:7.1
48. Dan L. Crouse, Adele Balram, **Perry Hystad**, Lauren Pinault, Matilda van den Bosch, Hong Chen, Daniel Rainham, Errol M. Thomson, Christopher H. Close, Aaron van Donkelaar, Randall V. Martin, Richard Ménard, Alain Robichaud, Paul J. Villeneuve. (2018) Associations between Living Near Water and Risk of Mortality among Urban Canadians. *Environmental Health Perspectives*. 126(7) doi.org/10.1289/EHP3397 ||#†† IF: 9.8
49. Saeha Shin, Richard T Burnett, Jeffrey C Kwong, **Perry Hystad**, Aaron van Donkelaar, Jeffrey R Brook, Ray Copes, Karen Tu, Mark S Goldberg, Paul J Villeneuve, Randall V Martin, Brian J Murray, Andrew S Wilton, Alexander Kopp, Hong Chen (2018) Effects of

- ambient air pollution on incident Parkinson's disease in Ontario, 2001 to 2013: a population-based cohort study. *International Journal of Epidemiology*. doi.org/10.1093/ije/dyy172 ||#†† IF: 8.4.
50. LiBai, Richard T. Burnett, Jeffrey C. Kwong, **Perry Hystad**, Aaron van Donkelaar, Jeffrey R. Brook, Karen Tu, Ray Copes, Mark S. Goldberg, Randall V. Martin, Brian J. Murray, Alexander Kopp, Hong Chen. (2018) Long-term exposure to air pollution and the incidence of multiple sclerosis: A population-based cohort study. *Environmental Research*. 166:437-443. doi.org/10.1016/j.envres.2018.06.003 ||#†† IF: 4.
51. Daniel L.; Weichenthal, Scott; Erickson, Anders^b; van Donkelaar, Aaron; Martin, Randall V Charbonneau, Shannon **Hystad, Perry** Brook, Jeffrey R; Tjepkema, Michael, Christidis, Tanya; Ménard, Richard; Robichaud, Alain; Burnett, Richard T. (2018) Diabetes Status and Susceptibility to the Effects of PM_{2.5} Exposure on Cardiovascular Mortality in a National Canadian Cohort. *Epidemiology*. 29(6): 784-794. doi: 10.1097/EDE.0000000000000908 ||#†† IF: 4.9
52. Son Yeongkwon, Osornio-Vargas A, O'Neill M, **Hystad P**, Texcalac-Sangrador J, Ohman-Strichland P, Meng Q, Schwander S. (2018) Land use regression models to assess air pollution exposure in Mexico City using finer spatial and temporal input parameters. *Science of the Total Environment*. (639): 40-48. doi.org/10.1016/j.scitotenv.2018.05.144 ||#†† IF: 4.9
53. Darren R Brenner, Abbey E Poirier, Stephen D Walter, Will D King, Eduardo L Franco, Paul A Demers, Paul J Villeneuve, Yibing Ruan, Farah Khandwala, Xin Grevers, Robert Nuttall, Leah Smith, Prithwish De, Karena Volesky, Dylan O'Sullivan, **Perry Hystad**, Christine M Friedenreich (2018) Estimating the current and future cancer burden in Canada: methodological framework of the Canadian population attributable risk of cancer (ComPARE) study. *BMJ Open*. e022378. doi:10.1136/bmjopen-2018-022378 ||#†† IF: 2.4
54. Lavigne E, Belair M-A, Duque D, Do M, Stieb D, **Hystad P**, van Donkelaar A, Martin R, Crouse D, Crighton E, Chen H, Burnett R, Weichenthal S, Villeneuve P, To T, Brook J, Johnson M, Cakmak S, Yasseen A, Walker M. (2018). Effect modification of perinatal exposure to air pollution and childhood asthma incidence. *European Respiratory Journal*. DOI: 10.1183/13993003.01884-2017 ||#†† IF:10.6
55. Arku R, Ezzati M, Baumgartner J, Fink G, Zhou B, **Hystad P**, Brauer M. (2018). Elevated blood pressure and household solid fuel use in premenopausal women: Analysis of 12 Demographic and Health Surveys (DHS) from 10 countries. *Environmental Research*. 160:499-505. https://doi.org/10.1016/j.envres.2017.10.026 *||#†† IF:3.8
56. Welch B, Smit E, Cardenas A, **Hystad P**, Kile M. (2018) Trends in urinary arsenic among the U.S. population by drinking water source: Results from the National Health and Nutritional Examinations Survey 2003–2014. *Environmental Research*. 162: 8-17. https://doi.org/10.1016/j.envres.2017.12.012 *||#†† IF:7.1
57. Ngo N, Asseko S, Ebanega M, Allo'o S, **Hystad P**. (2018) The relationship among PM_{2.5}, traffic emissions, and socioeconomic status: Evidence from Gabon using low-cost, portable air quality monitors. *Transportation Research Part D: Transport and Environment*. https://doi.org/10.1016/j.trd.2018.01.029 *†||#†† IF:2.3
58. Crouse D, Pinault L, Balram A, **Hystad P**, Peters P, Chen H, van Donkelaar A, Martin R, Menard R, Robichaud A, Villeneuve P. Urban greenness and mortality in Canada's largest cities: a national cohort study. *The Lancet Planetary Health*. 1(7): e289-e297. https://doi.org/10.1016/S2542-5196(17)30118-3 ||#†† IF:na.

59. Larkin A, **Hystad P.** (2017) Towards Personal Exposures: How Technology is Changing Air Pollution and Health Research. *Current Environmental Health Reports*. 4(4): 463-471. doi: 10.1007/s40572-017-0163-y. *†‡§||#** IF: na.
60. Pinault L, Weichenthal S, Crouse D, Brauer M, Erickson A, van Donkelaar A, Martin R, **Hystad P.**, Chen H, Fines P, Brook J, Tjepkema M, Burnett R. (2017) Associations between fine particulate matter and mortality in the 2001 Canadian Census Health and Environment Cohort. *Environment International*. 159: 406-415. <https://doi.org/10.1016/j.envres.2017.08.037> ||#†† IF:7.1
61. Larkin A, **Hystad P.** (2017) Evaluating Street View Exposure Measures of Visible Green Space for Health Research. *Journal of Exposure Science and Environmental Epidemiology*. doi:10.1038/s41370-018-0017-1 *†‡§||#** IF: 2.9
62. Chen H, Kwong J, Copes R, **Hystad P.**, van Donkellar A, Tu K, Brook R, Goldberg M, Martin R, Murray B, Wilton A, Kopp A, Burnett R. (2017) Exposure to ambient air pollution and the incidence of dementia: A population-based cohort study. *Environment International*. 108: 271-277. <https://doi.org/10.1016/j.envint.2017.08.020> ||#†† IF:7.1
63. Cusack L, Larkin A, Carozza S, **Hystad P.** (2017) Associations between Multiple Green Space Measures and Birth Weight Across Two US Cities. *Health and Place*. 47; 36-43. <https://doi.org/10.1016/j.healthplace.2017.07.002> *†‡§||#** IF:2.4
64. Larkin A, van Donkelaar A, Martin R, Xiao Q, Liu Y, Marshall J, Brauer M, **Hystad P.** (2017) Development of a Global Land Use Regression Model for Nitrogen Dioxide Air Pollution. *Env. Sci & Tech*. 51 (12): 6957-6964 DOI: 10.1021/acs.est.7b01148 *†‡§||#** IF:5.3
65. Lavigne E., Belair Marc-Andre, Stieb D, **Hystad P.** van Donkelaar A., Martin R, Crouse D, Crighton E, Chen H, Brook J, Walker M (2017). Maternal exposure to ambient air pollution and risk of early childhood cancers: a population-based study in Ontario, Canada. *Environment International* 100: 139-147. <http://dx.doi.org/10.1016/j.envint.2017.01.004>. ||#†† IF:5.6
66. Tonne C, Basagana X, Chaix B, Huynen M, **Hystad P.**, Nawrot T, Slama R, Vermeulen R, Weuve J, Nieuwenhuijsen M. (2017) New frontiers for environmental epidemiology in a changing world. 104: 155-162. <https://doi.org/10.1016/j.envint.2017.04.003> ||#†† IF:7.1
67. Villeneuve P, Lam S, Stieb D, Crouse D, Tjepkema M, Panault L, Osornia-Vargas A, Zaiane O, **Hystad P.**, Jerrett M, Beckerman B, van Donkelaar A, Martin R. (2017) Associations Between Residential Greenness and Adverse Birth Outcomes: A National Study of Canadian Women. *Journal of Transport & Health*. 5s14. <https://doi.org/10.1016/j.jth.2017.05.293> ||#†† IF:1.7
68. Markevych I, Schoierer J, Hartig T, Chudnovsky A, **Hystad P.**, Dzhambov A, de Vries S, Triguero Mas M, Brauer M, Nieuwenhuijsen M, Lupp G, Richardson E, Astell-Burt T, Dimitrova D, Feng X, Sadeh, M, Standl M, Heinrich J, Fuertes E. (2017). Exploring pathways linking greenspace to health: Theoretical and methodological guidance. *Environmental Research*. 158: 301-317 doi: 10.1016/j.envres.2017.06.028 ||#†† IF:7.1
69. John D, Winfield T, Etuk L, **Hystad P.**, Langellotto G, Manore M, Gunter K. (2017). Community-Engaged Attribute Mapping: Exploring Resources and Readiness to Change the Rural Context for Obesity Prevention. *Progress in Community Health Partnerships*. 11(2): 183-196. DOI: 10.1353/cpr.2017.0023 †† IF:na
70. Chen H, Kwong J, Copes R, Tu K, Villeneuve P, van Donkelaar A, **Hystad P.**, Martin, R., Murray, B., Jessiman, B, Wilton, A., Burnett R. (2016) Living near major roads and the

incidence of dementia, Parkinson's disease and multiple sclerosis: a population-based cohort study. *Lancet*. 389 (10070) DOI: [http://dx.doi.org/10.1016/S0140-6736\(16\)32399-6](http://dx.doi.org/10.1016/S0140-6736(16)32399-6) ||#†† IF:45.2

71. Cusack L, Larkin A, Carozza S, **Hystad, P.** (2016). Associations between residential greenness and birth outcomes across Texas. *Environmental Research*. 152: 88-95. doi: 10.1016/j.envres.2016.10.003 *††§||#** IF:3.1
72. Larkin, A., van Donkelaar, A., Geddes, J., Martin, R., **Hystad, P.** (2016). Characteristics of Urban Expansion and Associated Air Pollution Changes in East Asia from 2000 to 2010. *Env. Sci. & Technology* 6; 50(17):9142-9. doi: 10.1021/acs.est.6b02549 *††§||#** IF:5.3
73. John D, Gunter K, **Hystad P,** Langellotte G, Manore M. (2016). Generating Rural Options for Weight Healthy Kids and Communities – Outcomes and Impacts. *Nutrition Education and Behaviour*. 48(7). <http://dx.doi.org/10.1016/j.jneb.2016.04.355> ||#†† IF:1.8
74. Lavigne E., Yasseen A, Stieb D, **Hystad P,** van Donkellar A, Martin R, Brook J, Course D, Burnett R, Chen H, Weichenthal S, Johnson M, Villeneuve P, Walker M. (2016). Ambient air pollution and adverse birth outcomes: Differences by maternal comorbidities. *Environmental Research* 148: 457-466. <http://dx.doi.org/10.1016/j.envres.2016.04.026> ||#†† IF:3.1
75. Peters C, Demers P, Kalia S, **Hystad P,** Villeneuve P, Nicol Anne-Marie, Kreiger N, Koehoorn M. (2016). Occupational exposure to solar ultraviolet radiation and the risk of prostate cancer. *Occ & Env Medicine* 73 (11). <http://dx.doi.org/10.1136/oemed-2016-103567> *||#†† IF:2.1
76. Ashley-Martin, J, Lavigne E, Arbuckle T, Johnson M, **Hystad P,** Course D, Marshall J, Dodds L. (2016) Air pollution during pregnancy and cord blood immune system biomarkers. *J Occup Environ Med*. 2016 Oct;58(10):979-986. ||#†† IF: 2.1
77. Stieb D, Chen L, **Hystad P,** Beckerman B, Jerrett M, Tjepkema M, Crouse D, Omariba W, Peters P, van Donkelaar A, Martin R, Burnett R, Liu S, Smith-Doiron M, Dugandzic R. (2016) A national study of the association between traffic-related air pollution and adverse pregnancy outcomes in Canada, 1999-2008. *Environmental Research*. ER-15-1699R1. ||#†† IF: 4.4
78. Lavigne, E., Ashley-Martin, J., Dodds, L., Arbuckle, TE, **Hystad, P.,** Johnson, M., Crouse, DL, et al. (2016) Air pollution exposure during pregnancy and fetal markers of metabolic function: The MIREC Study. *American Journal of Epidemiology*. 183 (7). doi: 10.1093/aje/kwv256 ||#†† IF:5.2
79. Crouse, D. Peters, PA., **Hystad, P.,** Brook, J., van Donkellar, A., Martin, V., Villeneuve, P., Jerrett, M., Goldberg, M., Pope III, A., Brauer, M., Brook, R., Robichaud, A., Menard, R., Burnett, R. (2016) Associations between ambient PM2.5, O3, and NO2 and mortality in the Canadian Census Health and Environment Cohort (CanCHEC) over a 16-year follow-up. *Environmental Health Perspectives*. 123(11). DOI:10.1289/ehp.1409276 ||#†† IF:8.0
80. King WD, Friedenreich CM, Brenner DR, De P, Demers PA, **Hystad P,** Nutall R, Villeneuve PJ, Walter SD. (2015). The contribution of lifestyle, environment, genetics and chance to cancer risk in individuals and populations. *Prev Med*; 76:132-4. doi: 10.1016/j.ypmed.2015.03.030. ||#†† IF:3.1
81. Winters N, Goldberg M, **Hystad P,** Villeneuve P, Johnson K. (2015). Exposure to Ambient Air Pollution in Canada and the Risk of Adult Leukemia. *Science of the Total Environment*. 74:240-8. doi: 10.1016/j.envint.2014.09.004. *†||#†† IF:4.1

82. **Hystad P**, Villeneuve PJ, Goldberg MS, Crouse DL, Johnson K, and the Canadian Cancer Registries Epidemiology Research Group. (2014). Exposure to traffic-related air pollution and the risk of developing breast cancer among women in eight Canadian provinces: a case-control study. *Environment International*;74:240-8. doi: 10.1016/j.envint.2014.09.004. †‡§||#** IF:5.6
83. **Hystad, P**, Davies, H, Frank L, Gehring U, Tamburic L, Brauer M. (2014). Residential Greenness and Birth Outcomes: Distinguishing Effects from Spatially Correlated Built Environment Factors. *Environmental Health Perspectives*. 122(10): 1095-1102 doi:10.1289/ehp.1308049 †‡§||#** IF:8.0
84. Brauer, M., **Hystad, P**. (2014). Invited Commentary: Cities and Health...let me count the ways. *Epidemiology*. 25(4):526-7. doi: 10.1097/EDE.000000000000110. †‡§||#** IF:6.2
85. **Hystad, P.**, Demers, P., Johnson, K., Brauer, M., Setton, E., Cervantes, A., Poplawski, K., McFarlane A., Whitehead, A., Nicole, A.M. (2014). Geographic Variation in Radon and Associated Lung Cancer Risk in Canada: A Population-Based Case-Control Study. *Canadian Journal of Public Health*. 105 (1). PMID: 24735695 †‡§||#** IF:1.6
86. Henderson, S., Rauch, S., **Hystad, P.**, Kosatsky, T. (2014). Differences in lung cancer mortality trends from 1980-2011 by radon risk areas in British Columbia, Canada. *Health Physics*. 106 (5)L 608-13. PMID: 24670910 ||#†† IF:1.3
87. **Hystad, P.**, Carpiano, R., Demers, P., Brauer, M. (2013) Neighborhood Socioeconomic Status and Personal Lung Cancer Risk: Evaluating Long-Term Exposure Measures and Mediating Mechanisms. *Social Science and Medicine*. 97: 95-103. PMID: 24161094 †‡§||#** IF:2.7
88. Brauer, M., Reynolds, C., **Hystad, P**. (2013) Traffic-Related Air Pollution and Health in Canada. *Canadian Medical Association Journal*. 185(18): 1557-1558. doi: 10.1503/cmaj.121568 ||#†† IF:6.0
89. **Hystad, P.**, Demers, P., Johnson, K., Brauer, M. (2013). Long-Term Residential Exposure to Air Pollution and Lung Cancer Risk. *Epidemiology*. 24(5): 762-772. PMID: 23676262 †‡§||#** IF:6.2
90. Setton, E., **Hystad, P.**, Poplawski, K., Cervantes, A., Cheasley, R., Nicol, A.M., Demers, P., (2013). Risk-based indicators of Canadians' exposures to environmental carcinogens. *Environmental Health*. 12:15. doi:10.1186/1476-069X-12-15 ||#†† IF:2.7
91. **Hystad, P.**, Demers, P., Johnson, K.C., Brook, J., van Donkelaar, A., Lamsal, L., Martin, R., Brauer, M. (2012). Spatiotemporal air pollution exposure assessment for a Canadian population-based lung cancer case-control study. *Environmental Health*. 11:22. doi:10.1186/1476-069X-11-22 (Highly accessed) †‡§||#** IF:2.7
92. **Hystad, P.**, Setton, E., Cervantes, A., Poplawski, K., Deschenes, S., Brauer, M., Martin, R., van Donkelarr, A., Lamsal, L., Jerrett, M., Demers, P. (2011). Creating National Air Pollution Models for Population Exposure Surveillance in Canada. *Environmental Health Perspectives*. 119:1123-1129. PMC3237350 †‡§||#** IF:8.0
93. Setton, E., Marchall, J., Brauer, M., Lundquist, K., **Hystad, P.**, Keller, P., Cloutier-Fisher, D. (2011). The impact of daily mobility on exposure to traffic-related air pollution and health estimates. *Journal of Exposure Assessment and Environmental Epidemiology*. 21(1):42-8. PMID: 20588325 ||#†† IF:3.2

94. Carpiano, R., **Hystad, P.** (2011). "Sense of Community Belonging" in Health Surveys: What Social Capital is it Measuring? *Health and Place*. 17(2), 606-617. PMID: 21296607 ||#†† IF:2.4
95. **Hystad, P.**, Carpiano, R. (2010). Sense of Community Belonging and Health Behavior Change in Canada. *Journal of Epidemiology and Community Health*. 66(3), 277-283. PMID: 20947874 ††\$||#** IF:3.2
96. **Hystad, P.**, Fuller, D., Hobin, E., Shareck, M. (*Joint Authorship*) (2010). Challenges to Interdisciplinary Training for Junior Space, Place and Health Researchers. *Critical Public Health*. 22(1), 1-7. DOI: 10.1080/09581596.2010.520010 ††\$||#** IF:1.7
97. Clark, N., Allen, R., **Hystad, P.**, Wallace, L., Dell, S., Foty, R., Dabek-Zlotorzynska, Evans, G., Wheeler, A. (2010). Exploring Variation and Predictors of Residential Fine Particulate Matter Infiltration. *Environmental Research and Public Health*. 7, 3211-3224. PMID: 20948956 ||#†† IF:2.1
98. Setton, E., Keller, P., Cloutier-Fisher D., **Hystad, P.** (2010). Gender differences in chronic exposure to traffic-related air pollution – a simulation study of working females and males. *Professional Geographer*. 62(1): 66-83. doi: 0.1080/00330120903404728 ||#†† IF:1.3
99. Poplawski, K., Gould, T., Setton, E., Allen, R., Su, J., Larson, T., Henerson S., Brauer, M., **Hystad, P.**, Lightowlers, C., Keller, P., Cohen, M., Silva, C., Buzzelli, M. (2009). Intercity Transferability of Land Use Regression Models for Estimating Ambient Concentrations of Nitrogen Dioxide. *Journal of Exposure Science and Environmental Epidemiology*. 19(1):107-17. PMID:18398445 ||#†† IF:3.2
100. **Hystad, P.**, Setton, E., Allen, R., Keller, P., Brauer, M. (2008). Modeling Residential Fine Particulate Matter Infiltration for Exposure Assessment. *Journal of Exposure Science and Environmental Epidemiology*. 19: 570-579. PMID: 18716606 ††\$||#** IF:3.2
101. Setton, E., Keller, C.P., Cloutier-Fisher D., **Hystad, P.** (2008). Spatial variations in estimated chronic exposure to traffic-related air pollution in working populations - A simulation. *International Journal of Health Geographics*, 7(39): 1-17. PMID: 18638398 ||#†† IF:2.4
102. **Hystad, P.**, and Keller, P. (2008). Towards a Framework for Tourism Disaster Management: Long-Term Lessons from a Forest Fire Disaster. *Tourism Management*. 29: 151-162. ISSN 0261-5177 ††\$||#** IF:2.6
103. **Hystad, P.**, and Keller, P. (2006). Experience of a Tourism Industry Impacted by a Forest Fire Disaster. *Hospitality and Tourism Management*, 13(1): 44-58. ††\$||#** IF:1.12
104. Setton, E., **Hystad, P.**, Keller, P. (2005). Opportunities for Using Spatial Property Assessment Data in Air Pollution Exposure Assessments. *International Journal of Health Geographics*. 4(26): 1-8. doi:10.1186/1476-072X-4-26 ||#†† IF:2.4

Book Chapters

1. Deschenes, A., Setton, E., **Hystad, P.**, Demers, P.A., Keller, P.C. (2011). Predicting Lead in Surface Soils - Exploring an Alternative to Complex Models. Progress in Environmental science, issue Progress on Heavy Metals in the Environment. ||#††
2. Setton, E., Allen, R., **Hystad, P.**, Keller, P. (2010). Chapter 3: Outdoor Air Pollution and Health – A Review of the Contributions of Geotechnologies to Exposure Assessment. *Geospatial Analysis of Environmental Health*. ||#††

3. Foster, L. and Keller, P. (Contributions by **Hystad, P**). (2008). The British Columbia Atlas of Wellness. Canadian Western Geographical Series. 42. ||#††

Submitted Grants

1. Climate Change and Health linkages: Advancing participatory novel geospatial visualization & environments to address health risk and resilience in Sub-Saharan Africa. Canada New Frontiers in Research Fund - Transformation Grant. Co-Principal Investigator. \$15,000,000. 09/01/2022-09/01/2028
2. PURE-Climate: Identifying and Building Resilience to Climate Change as a Modifiable Risk Factor for Chronic Disease. National Institutes of Environmental Health Sciences (NIEHS) RO1. Principal Investigator. \$3,800,000. 09/01/2022-09/01/2027

Current Grant Support

1. The Oregon State University Center for Advancing Science, Practice, Programming and Policy in Research Translation for Children's Environmental Center (ASP3IRE Center). National Institutes of Environmental Health Sciences (NIEHS) P2C. \$3,665,495. Principal Investigator (Development Core). 12/01/2021 – 12/01/2026.
2. Use of Google timeline data to assess outdoor physical activity, green space exposure, and their impact on mental health during the COVID-19 stay-at-home orders. Office of Behavioral and Social Science Research OBSSR (Supplement). \$180,000. Principal Investigator. 01/01/2021-12/31/2022
3. Evaluating and Applying Google Location Data for Built Environment and Physical Activity Research. *National Institute on Environmental Health Sciences*. \$410,000. Principal Investigator. 01/07/2020 – 31/06/2022.
4. Built Environment Assessment through Computer visiON (BEACON): Applying Deep Learning to Street-Level and Satellite Images to Estimate Built Environment Effects on Cardiovascular Health. *National Health, Lung, and Blood Institute*. \$2,500,000. Co-Investigator. 01/08/2020 – 31/08/2025.
5. Integrating Satellites, Ground Monitoring, and Modeling to Estimate Long-Term NO₂ Exposures and Associated Pediatric Asthma Impacts. Health Effects Institute. \$200,000. Co-Investigator. 01/02/2020 – 01/31/2022.
6. Deep Learning of Street View Imagery to Assess Urban Green Space Relationships with Mental Health: A Twin Study *National Institute on Environmental Health Sciences*. \$407,000. Principal Investigator. 09/13/2019 – 08/31/2021.
7. Impact of Vehicle Emission Regulations on Traffic-Related Air Pollution Exposures and Infant Health. *Health Effects Institute*. \$1,200,000. Principal Investigator. 04/01/2020-03/31/2023

Past Grant Support

1. Long-term Outdoor Air Pollution and Cause-Specific Mortality in a Pooled Analysis of 23 Asian Cohorts. *Health Effects Institute*. \$900,000. Co-Investigator. PI: Dr. Roel Vermeulen. 06/2018-12/2020.
2. Assessing Health Effects of Long-term Exposure to Low Levels of Ambient Air Pollution. *Health Effects Institute*. \$1,707,314. Co-Investigator. PI: Dr. Michael Brauer. 2016-2020.

Dr. Perry Hystad, Abbreviated CV

3. PURE-Air: A Global Assessment of Outdoor Air Pollution and Cardiopulmonary Disease. NIH Director's Early Independence Awards (DP5). \$1,669,859. Principal Investigator. 30/09/2014-30/08/2020.
4. Air Pollution and Health in the Prospective Urban and Rural Epidemiological Study. Canadian Institute for Health Research (CIHR). \$753,674. Co-Investigator. PI: Dr. Michael Brauer. 07/2014-06/2018
5. Air Pollution Exposure Assessment for the Asian Cohort Consortium. National Cancer Institute. \$25,000. Principal Investigator. 2016-2017.
6. Applications of GIS to County Public Health Activities. Clackamas County. \$25,000. Principal Investigator. 2017.
7. Determining the Population Attributable Risk of the Major Modifiable Cancer Risk Factor in Canada. *Canadian Cancer Society Research Institute*. \$789,804. Co-Investigator. PI: Dr. Friedenreich. 30/10/2014-30/09/2017.
8. Development of hybrid models to predict spatially and temporally resolved air pollution concentrations at local and national scales. Clean Air Regulatory Agency. \$110,000. Collaborator. PI: Dr. Johnson. 04/01/2014-07/31/2016.
9. GROW healthy kids and communities. *USDA Agriculture and Food Research Initiative: Childhood Obesity Prevention NIRA: 2010-04614*. \$4,870,000. Co-Investigator. PI: Dr. John and Dr. Gunter. 2/1/2011-1/31/2016.
10. Spatial data mining: Exploring co-location of adverse birth outcomes and environmental variables. *National Sciences and Engineering Research Council of Canada*. \$585,047. Co-Investigator. PI: Dr. Osornio Vargas. 2013 – 2016
11. CAREX Canada. Surveillance of occupational and environmental carcinogens. *Canadian Partnership Against Cancer*. \$1,600,000. Collaborator. PI: Dr. Paul Demers and Dr. Anne-Marie Nicol. 2006 - 2014
12. Breast and prostate cancer and exposure to fine particulate matter and nitrogen dioxide air pollution: A Canadian population-based case-control study. *Environmental Canada Clean Air Regulatory Agenda*. \$60,000. Co-Investigator, PI: Dr. Paul Villeneuve. 2012 - 2013
13. Preventing cancers caused by modifiable environmental risks, *Beatrice Hunter Cancer Research Institute*. \$40,000. Co-Investigator, PI: Dr. Trevor Dummer. 2012.
14. Translating environmental exposure estimates for cancer policy and prevention, *Canadian Institutes for Health Research Knowledge Translations Supplement*. \$98,000. Co-Investigator, PI: Dr. Anne-Marie Nicol. 2011.
15. Developing environmental health indicators for First Nations in Canada, *Canadian Institutes for Health Research Synthesis Grant*. \$90,000. Co-Investigator, PI: Dr. Peter Keller. 2010.

D. SERVICE

Service to the Profession

Invited National/International Presentations

- Prioritizing Geospatial Needs in Environmental Epidemiology: Better Data, Models, and Methods. National Cancer Institute (NCI) Geographic Working Group. April 14th 2022.

Dr. Perry Hystad, Abbreviated CV

- Human Health Impacts of Climate Change. OPHA Conference Oct 2021, Invited Presenter and Closing Panelist. Improving Health through the Planned Environment: A Call to Action on Health, Climate, and Equity.
- EPA Workshop. Non-Chemical Stressors. Oct. 2021
- NIH Workshop. Catalyzing Knowledge-Driven Discovery in Environmental Health Sciences through a Harmonized Language. Sept 2021.
- Identifying and Adapting to Climate Change as a Modifiable Risk Factor for Chronic Disease. CPHHS Research Seminar. Nov 2021 Invited Presenter.
- Transitions in Global Environmental Health Research. March 2021 Invited Presenter. Population Health Research Institute.
- Leveraging New Technologies to Measure and Model the External Environment. University of Kentucky P30 Center, Invited Seminar Presentation. Feb 2021
- Characterizing complex exposures associated with built environments. CANUE annual meeting. Vancouver BC. June 2019.
- Exploring the health benefits of long-term exposure to nature. Health & Nature Symposium. Texas A&M University. Jan. 2019.
- Quantified Personal Environments TEDMed Portland. Dec. 2018
- Towards Personal Exposure: How Technology is Changing Environmental Health Research Harvard School of Public Health. October 2018.
- Redefining exposure assessment for built environment research Harvard Medical School. October 2018.
- Measuring and Modelling the External Environment. Utrecht University Exposome Hub Launch. Utrecht, Netherlands. June. 2018.
- Global Estimates of Fine Particulate Matter's Impact on Health. McMaster Global Health Summit. Hamilton, Canada. January 2017.
- Healthy Built Environments. Canadian Urban Environmental Health Research Consortium. Toronto, Canada. Nov. 2016.
- Pathways Linking Urban Green Space to Health. European Meeting on Urban Green Space and Health. Munich, Germany. Sept. 2016.
- What we know and what we need to know for air pollution and health policy in China. China National Meeting on Air Pollution and Health. July 1st 2016.
- PURE-Air: A Global Assessment of Air Pollution and Cardiopulmonary Disease. University of Washington, Environmental and Occupational Seminar. May 5th 2016.
- New Technology for Estimates Environmental Exposures. CREAL Future of Environmental Epidemiology workshop. Barcelona, Spain. Nov 25-27th 2015.
- What is Green Space Capturing in Health Studies. Health Canada workshop on green space and mental health. Toronto, Canada. June 5-8th 2015
- Green Space as a Cumulative Measure of Built Environment Exposures. EPA workshop on green space and cumulative risk assessment. Cincinnati, USA. May 4th-6th 2015
- PURE-Air: A Global Assessment of Air Pollution and Cardiopulmonary Disease. Center for Genome Research and Biocomputing Spring Conference. Corvallis, USA. April 11th 2015.
- Spatial Approaches to Environmental Health Research. Harvard JPB Social and Environmental Fellows workshop. Santa Fe, New Mexico. March 18th-21st, 2015.
- HAP and CVD in the PURE Study. WHO Clean Cookstove Initiative. Washington DC. Feb 25-26th, 2015.
- New Technologies for Population Based Research. NIH Common Fund Symposium, Washington DC. Dec 16th, 2014.
- Data Mining Environmental Exposures DOMINO meeting on air pollution exposure and adverse birth outcomes, Oct 1. 2014.

Dr. Perry Hystad, Abbreviated CV

- Data Access as a New Researcher. Invited Presenter at NIEHS webinar (140 participants attended). May 15, 2014.
- Preventing Cancer in Canada - Moving Forward the Agenda through Comprehensive Population Attributable Risk Estimates. University of Calgary. April 23, 2014.
- NIEHS Environmental Health Sciences Core Centers Meeting. Los Angeles, USA.
- Estimating Industrial Air Pollution Exposures for Spatial Data Mining of Adverse Birth Outcomes. Workshop. Air Pollution and Birth Outcomes, Edmonton, Alberta. Jan 23, 2014.
- Residential Greenness and Birth Outcomes: Separating Effects from Spatially Correlated Built Environment Exposures. Annual Occupational, Environmental and Public Health Conference. Semiahmoo, Washington, January 9, 2014.

Professional Membership

- International Society of Exposure Science. 2008-present.
- International Society of Environmental Epidemiology. 2007-present.

Ad hoc Journal Peer Review

- American Journal of Public Health
- Atmospheric Environment
- BMJ
- BMJ Open
- Canadian Medical Association Journal
- Canadian Public Health Journal
- Circulation
- Epidemiology
- Environmental Health Perspectives (editorial board member, top 15% reviewer)
- Environmental Health
- Environmental Science and Technology
- Environmental Research
- Environmental Pollution
- Health and Place
- International Journal of Infectious Disease
- International Journal for Environmental Research and Public Health
- Lancet
- Lancet Planetary Health
- Journal of American Heart Association
- Journal of Environmental Epidemiology and Exposure Science
- Science of the Total Environment
- Science Advances

Grant Review

- Reviewer, Research Grants Council (RGC) of Hong Kong. Jan 2022.
- Reviewer, NIH K99-R00 Panel. June 2021
- Reviewer, Health Effects Institute (HEI), Air Pollution and Health RFA. March 2021
- Reviewer, NIH K99-R00 Panel. Feb 2021
- Reviewer, NIEHS T32 Panel. Nov 2020
- Reviewer, NIH K99-R00 Panel. June 2020
- Reviewer, NIH K99-R00 Panel. July 2019

Dr. Perry Hystad, Abbreviated CV

- Reviewer, Health Canada Clean Air Regulatory Agenda (CARA), 2015-2019
- Reviewer, South Coast Air Quality Management District. June 2016.
- Reviewer, NIH Community Influences on Health Behavior. Seattle, Washington. 2016.
- Reviewer, Medical Research Council (UK), 2017, 2016

External Committees/Advisory Boards

- Invited participant, EU Group on Earth Observation (GEO) Human Planet Initiative (HPI) Work Plan for 2023-2025
- Prospective Urban and Rural Epidemiology (PURE) cohort steering committee member. 2020-present.
- NIEHS Place-Based Exposures Ontology Committee member. 2021-present.
- Cascadia Conference Organizing Committee, Jan 2023 conference.
- Cascadia Conference, Lead of Built Environment and Health Theme, 2021 to present.
- Wildfire Smoke and Infant Health Advisory Member. Pacific Northwest Center for Translational Environmental Health Research. 2021
- Invited Participant, NIEHS Evaluating non-chemical stressors for children's environmental health protection. October 2021.
- Invited Participant, NIEHS Catalyzing knowledge-driven discovery in environmental health sciences through a harmonized language. July 2021.
- Invited Participant, NIH Integrating Multiscale Geospatial Environmental Data into Large Population Health Studies. June 2021.
- Scientific Advisory Board, EU Expanse Project. 2020-2025
- Elected Director, Canadian Urban Environmental Health Research Consortium. 2018-2020
- Clean Air Oregon, Hazard Index Technical Advisory Committee. June – December 2018.
- Invited participant, Environmental Protection Agency i-Tree Collaborative Metrics Meeting. Washington, DC. January 2019.
- International Society for Environmental Epidemiology Conference Steering Committee, 2018-2019.
- External Advisory Committee, Oregon Public Health Tracking Network. 2017-Present
- External Advisory Committee, Population Longevity and Community Environment (PLACE) Research Grant, 2016-Present.
- External Advisory Committee, Ontario Cancer Care Prevention System Quality Index, 2015-2017.
- External Scientific Advisory Committee, Ontario Environmental Burden of Cancer. 2015
- Canada Clean Air Regulatory review board. 2014
- Invited participant, Cancer Care Ontario's Primary Prevention Measure Framework advisory board. 2013.
- Invited participant, Vancouver Coastal Health Authority My health My Community advisory board. 2012.
- Invited participant, Development of a Framework to assist communities in the characterization of vulnerability to environmental contamination. Commission for Environmental Cooperation. 2012
- Spatial Data Working Group advisory committee, Population Data BC. 2010-Present.
- Chair, International Society of Environmental Epidemiology Student and New Researchers' Network. 2009-Present.
- Student Representative, International Society of Environmental Epidemiology. 2009-Present.

Dr. Perry Hystad, Abbreviated CV

- Invited participant, expert working group on NIH grant “Space-Time Technology for Reconstructing Exposure in Cancer Epidemiology”. 2009-2011.
- Organizing Committee Member, ISEE and ISES Seoul Conference, Student and New Researcher Activities. 2010.
- Invited participant, World Public Health Congress co-author of the Student Declaration on Public Health. 2009.
- Invited participant, Environmental and Occupational Exposure Assessment Expert Working Group, the Canadian Partnership for Tomorrow Project. 2009.
- Elected student representative, BC Environmental and Occupational Health Research Network (BCEOHRN). 2008-2009.
- Executive committee member, MSFHR/CIHR Bridge strategic scholarship program. 2007-2009.
- Invited participant, Cancer Care Ontario workshop on environmental cancer research. 2008.
- Invited participant, Statistics Canada tax cohort workshop on national exposure assessment methods for air pollution. 2008.

Service to the University, College and School

- Presentation to OSU Board of Trustees, March 2022
- EOH instructor search committee member, 2021-2022
- HMP faculty search committee member, 2021-2022.
- University Innovation Advocate for the CPHHS. 2021 to present.
- OSU student innovation and entrepreneurship advisory member. 2021 to present.
- EOH program director. 2021 to present
- Conference Organizing Member. Center for Quantitative Life Sciences, OSU, Sept. 2021.
- CPHHS Re-Organization Budget Task Force 2021
- University NIH Task Force. 2019-2020
- CEOAS GIS instructor search committee. 2019-2020
- University Fellowship Task Force. 2019-2020
- Oregon Center for Health Innovation Director search committee member. 2017-2018
- Environmental Health Science Center, Member. 2013-2016.
- EOH program director. 2018-present.
- Integrated MPH Core development committee member. 2017-present
- EOH faculty search committee. 2016-2017
- EOH faculty search committee. 2015-2016
- EOH faculty search committee. 2014-2015
- Organization OSU component of annual Semiahmoo Joint Northwest Conference 2015-2018

Service to the Public

- Testimony to the Oregon Senate on the health impacts of diesel engine exhaust. 2017/18
- Worked with local NGO (South Corvallis Air) to conduct monitoring around a local glass-fiber plant. 2017-present.
- Presented at the Corvallis Academy for Lifelong Learning (ALL). 2016.
- Partnered with Natural Opus (NGO) to address community air quality concerns in Philomath. 2015.
- Helped establish a new Public Health Informatics position at Clackamas County public health. 2017-2018.