

## CURRICULUM VITAE

### Anneclaire J. De Roos

Drexel University Dornsife School of Public Health  
Environmental and Occupational Health  
3215 Market Street, Sixth Floor  
Philadelphia, PA 19104  
Phone: 267-359-6090  
Email: [aderoos@drexel.edu](mailto:aderoos@drexel.edu)

#### EDUCATION

---

Doctor of Philosophy (Epidemiology) University of North Carolina at Chapel Hill <i>Dissertation: Parental Occupational Exposures and Neuroblastoma in Offspring</i>	2000
Master of Public Health (Epidemiology and Biostatistics) University of California at Berkeley	1995
Bachelor of Arts (Geography/Ecosystems) University of California at Los Angeles	1990

#### ACADEMIC AND RESEARCH APPOINTMENTS

---

Drexel University Dornsife School of Public Health, Philadelphia, PA Professor, Department of Environmental and Occupational Health Associate Professor, Department of Environmental and Occupational Health	2013-present 2024 (expected) (tenure 2016)
Fred Hutchinson Cancer Center, Seattle, WA Associate Member, Public Health Sciences Division Assistant Member, Public Health Sciences Division	2008-2012 2003-2008
University of Washington School of Public Health, Seattle, WA Associate Professor, Department of Epidemiology Assistant Professor, Department of Epidemiology	2009-2012 2003-2009
Division of Cancer Epidemiology and Genetics, National Cancer Institute, Rockville, MD Postdoctoral Fellow, Occupational and Environmental Epidemiology Branch	2000-2002
University of North Carolina School of Public Health, Chapel Hill, NC Research Assistant, Department of Epidemiology	1995-2000
AeroVironment, Inc., Monrovia, CA Environmental Scientist	1990-1993

## **OTHER AFFILIATIONS**

---

Faculty Affiliate, Urban Health Collaborative  
Dornsife School of Public Health at Drexel University 2018-present

Secondary Appointment, Department of Epidemiology and Biostatistics  
Dornsife School of Public Health at Drexel University 2014-present

## **PUBLICATIONS**

---

\* denotes mentored student or postdoctoral fellow

### **Articles Under Review**

\*Ingram S, **De Roos AJ**, Wallace R, Parks C, Lane DS, Martin LW, Zannas AS, Mouton CP, Michael YL. Influence of occupational stress on breast cancer incidence in the Women's Health Initiative. *Health Psychol*, under review

\*Yen YT, Schinasi LH, Sánchez BN, Melly S, Moore K, Forrest CB, Kenyon CC, **De Roos AJ**. Residential greenspace and pediatric asthma exacerbation: A longitudinal study in the Philadelphia metropolitan area, 2011-2016. *Landsc Urban Plan*, under review

Huang W, **De Roos AJ**, Kondo MC, Clougherty JE, Zhao Y, Schinasi LH. Gender and violent crime modify associations between greenspace and cardiovascular disease mortality in Philadelphia, PA. *Health and Place*, under review

\*Yen YT, Schinasi LH, Sánchez BN, Melly S, Moore K, Forrest CB, Kenyon CC, Kondo MC, **De Roos AJ**. Do local air pollution concentrations modify or mediate the associations between residential greenspace and pediatric asthma exacerbations? A longitudinal study of pediatric patients in Philadelphia, Pennsylvania. *Sci Total Environ*, under review

### **Research Articles**

1. **De Roos AJ**, Senter JP, Schinasi LH, Huang W, Moore K, Maltenfort M, Forrest CB, Henrickson SE, Kenyon CC. Outdoor aeroallergen impacts on asthma exacerbation among allergic and non-allergic Philadelphia children. *J Allergy Clin Immunol Global*, in press
2. \*Kahn DA, Chen W, Linden Y, Corbeil KA, Lowry S, Higham CA, Mendez KS, Burch P, DiFondi T, Verhougstraete M, **De Roos AJ**, Haas CN, Gerba C, Hamilton KA. A microbial risk assessor's guide to Valley Fever (*Coccidioides* spp.): Case study and review of risk factors. *Sci Total Environ*, inpress
3. \*Huang W, Schinasi LH, Kenyon CC, Auchincloss AH, Moore K, Melly S, Robinson LF, Forrest CB, **De Roos AJ**. Do respiratory virus infections modify associations of asthma exacerbation with aeroallergens or fine particulate matter? A time series study in Philadelphia PA. *Int J Environ Health Res*, in press
4. Schinasi LH, Kondo MC, Edwards J, Clougherty JE, **De Roos AJ**, Bilal U. Does urban greenspace reduce mortality inequalities based on poverty, race, or both in Philadelphia, PA? *J Urban Health*. 2023 Aug 10. doi: 10.1007/s11524-023-00748-5. Epub ahead of print. PMID: 37563520.
5. \*Huang W, Schinasi LH, Kenyon CC, Auchincloss AH, Moore K, Melly S, Robinson LF, Forrest CB, **De Roos AJ**. Evaluation of evidence for interaction between PM2.5 and aeroallergens on

- childhood asthma exacerbation in Philadelphia, PA, 2011 to 2016. *Environ Res.* 2023 Jun 28;234:116395. doi: 10.1016/j.envres.2023.116395. Epub ahead of print. PMID: 37390950.
6. Parks CG, Pettinger M, **de Roos AJ**, Tindle HA, Walitt BT, Howard BV. Life events, caregiving, and risk of autoimmune rheumatic diseases in the Women's Health Initiative Observational Study. *Arthritis Care Res (Hoboken)*. 2023 May 25. doi: 10.1002/acr.25164. Epub ahead of print. PMID: 37230960.
  7. **De Roos AJ**, Fritschi L, Ward MH, Monnereau A, Hofmann J, Bernstein L, Bhatti P, Benavente Moreno Y, Benke G, Casabonne D, Clavel J, Cocco P, Huynh T, 't Mannelje A, Miligi L, Piro S, Rothman N, Schinasi LH, Vajdic CM, Wang SS, Zhang Y, Slager SL, Cerhan JR. Herbicide use in farming and other jobs in relation to non-Hodgkin's lymphoma (NHL) risk. *Occup Environ Med.* 2022 Dec;79(12):795-806. doi: 10.1136/oemed-2022-108371. Epub 2022 Oct 7. PMID: 36207110; PMCID: PMC9669193.
  8. Rhee J, Birmann BM, **De Roos AJ**, Epstein MM, Martinez-Maza O, Breen EC, Magpantay LI, Levin LI, Visvanathan K, Hosgood HD 3rd, Rohan TE, Smoller SW, Bassig BA, Qi L, Shu XO, Koh WP, Zheng W, Yuan JM, Weinstein SJ, Albanes D, Lan Q, Rothman N, Purdue MP. Circulating immune markers and risks of non-Hodgkin lymphoma subtypes: A pooled analysis. *Int J Cancer.* 2023 Mar 1;152(5):865-878. doi: 10.1002/ijc.34299. Epub 2022 Oct 5. PMID: 36151863; PMCID: PMC9812887.
  9. **De Roos AJ**, Kenyon CC, Yen YT, Moore K, Melly S, Hubbard RA, Maltenfort M, Forrest CB, Diez Roux AV, Schinasi LH. Does living near trees and other vegetation affect the contemporaneous odds of asthma exacerbation among pediatric asthma patients? *J Urban Health.* 2022 Jun;99(3):533-548. doi: 10.1007/s11524-022-00633-7. Epub 2022 Apr 25. PMID: 35467328
  10. Kondo MC, Zuidema C, Moran H, Jovan S, Derrien M, Brinkley W, **De Roos AJ**, Tabb LP. Spatial predictors of heavy metal concentrations in epiphytic moss samples in Seattle, WA. *Sci Total Environ.* 2022 Jun 15;825:153801. doi: 10.1016/j.scitotenv.2022.153801. Epub 2022 Feb 10. PMID: 35151745
  11. Schinasi LH, Kenyon CC, Hubbard RA, Zhao Y, Maltenfort M, Moore K, Forrest CB, Diez Roux AV, **De Roos AJ**. Associations between high ambient temperatures and asthma exacerbations among children in Philadelphia, PA: A time series analysis. *Occup Environ Med.* 2022 May;79(5):326-332. doi: 10.1136/oemed-2021-107823. Epub 2022 Mar 4.
  12. Wang SS, Vajdic CM, Linet M, Slager SL, Voutsinas J, Nieters A, Casabonne D, Cerhan JR, Cozen W, Alarcon G, Martínez-Maza O, Brown EE, Bracci PM, Turner JJ, Hjalgrim H, Bhatti P, Zhang Y, Birmann BM, Flowers CR, Paltiel O, Holly EA, Kane E, Weisenburger DD, Maynadié M, Cocco P, Foretova L, Crabb Breen E, Lan Q, Brooks-Wilson ER, **De Roos AJ**, Smith MT, Roman E, Boffetta P, Krickler A, Zheng T, Skibola CF, Clavel J, Monnereau A, Chanock SJ, Rothman N, Benavente Y, Hartge P, Ekstrom Smedsby K. B-cell non-Hodgkin lymphoma (NHL) subtype risk associated with autoimmune conditions and polygenic risk scores (PRS). *Cancer Epidemiol Biomarkers Prev.* 2022 May 4;31(5):1103-1110. doi: 10.1158/1055-9965.EPI-21-0875. PMID: 35244686
  13. Lewis A, McKeon TP, **De Roos AJ**, Ravel J, Elovitz MA, Burris HH. Associations of public water system trihalomethane exposure during pregnancy with spontaneous preterm birth and the cervicovaginal microbial-immune state. *Environ Res.* 2021 Aug;199:111288. doi: 10.1016/j.envres.2021.111288. Epub 2021 Jun 2. PMID: 33965388; PMCID: PMC8195861
  14. **De Roos AJ**, Schinasi LH, Miligi L, Cerhan JR, Bhatti P, 't Mannelje A, Baris D, Benavente Y, Benke G, Clavel J, Casabonne D, Fritschi L, Hofmann JN, Huynh T, Monnereau A, Piro S, Slager SL, Vajdic CM, Wang SS, Zhang Y, Bernstein L, Cocco P. Occupational insecticide exposure and risk of non-Hodgkin lymphoma: a pooled case-control study from the InterLymph consortium. *Int J Cancer.* 2021 Nov 15;149(10):1768-1786. doi: 10.1002/ijc.33740. Epub 2021 Jul 29. PMID: 34270795
  15. \*Huang W, Schinasi LH, Kenyon CC, Moore K, Melly S, Hubbard RA, Zhao Y, Diez Roux AV, Forrest CB, Maltenfort M, **De Roos AJ**. Effects of ambient air pollution on childhood asthma

- exacerbation in the Philadelphia metropolitan Region, 2011-2014. *Environ Res.* 2021 Jun;197:110955. doi: 10.1016/j.envres.2021.110955. Epub 2021 Mar 4. PMID: 33676951
16. \*Nriagu BN, Ako AA, Wang C, **De Roos AJ**, Wallace R, Allison MA, Seguin RA, Michael YL. Occupations associated with poor cardiovascular health in women: the Women's Health Initiative Observational Study. *J Occup Environ Med.* 2021 May 1;63(5):387-394. doi: 10.1097/JOM.0000000000002135. PMID: 33928936
  17. **De Roos AJ**, Kenyon CC, Zhao Y, Moore K, Melly S, Hubbard RA, Henrickson SE, Forrest CB, Diez Roux AV, Maltenfort M, Schinasi LH. Ambient daily pollen levels in association with asthma exacerbation among children in Philadelphia, Pennsylvania. *Environ Int.* 2020 Dec;145:106138. doi: 10.1016/j.envint.2020.106138. Epub 2020 Sep 19. PMID: 32961469
  18. Schinasi LH, Kenyon CC, Moore K, Melly S, Zhao Y, Hubbard R, Maltenfort M, Diez Roux AV, Forrest CB, **De Roos AJ**. Heavy precipitation and asthma exacerbation risk among children: A case-crossover study using electronic health records linked with geospatial data. *Environ Res.* 2020 Sep;188:109714. doi: 10.1016/j.envres.2020.109714. Epub 2020 Jun 4. PMID: 32559685
  19. **De Roos AJ**, Kondo MC, Robinson LF, Rai A, Ryan M, Haas CN, Lojo J, Fagliano JA. Heavy precipitation, drinking water source, and acute gastrointestinal illness in Philadelphia, 2015-2017. *PLoS One.* 2020 Feb 24;15(2):e0229258. doi: 10.1371/journal.pone.0229258. PMID: 32092111; PMCID: PMC7039462
  20. Kenyon CC, Maltenfort MG, Hubbard RA, Schinasi LH, **De Roos AJ**, Henrickson SE, Bryant-Stephens TC, Forrest CB. Variability in diagnosed asthma in young children in a large pediatric primary care network. *Acad Pediatr.* 2020 Sep-Oct;20(7):958-966. doi: 10.1016/j.acap.2020.02.003. Epub 2020 Feb 7. PMID: 32044466
  21. Schinasi LH, Bloch JR, Melly S, Zhao Y, Moore K, **De Roos AJ**. High ambient temperature and infant mortality in Philadelphia, Pennsylvania: a case-crossover study. *Am J Public Health.* 2020 Feb;110(2):189-195. doi: 10.2105/AJPH.2019.305442. Epub 2019 Dec 19. PMID: 31855483; PMCID: PMC6951370
  22. Schinasi LH, Quick H, Clougherty JE, **De Roos AJ**. Greenspace and infant mortality in Philadelphia, PA. *J Urban Health.* 2019 Jun;96(3):497-506. doi: 10.1007/s11524-018-00335-z. PMID: 30993542; PMCID: PMC6565793
  23. Kondo MC, **De Roos AJ**, White LS, Heilman WE, Mockrin MH, Gross-Davis CA, Burstyn I. Meta-analysis of heterogeneity in the effects of wildfire smoke exposure on respiratory health in North America. *Int J Environ Res Public Health.* 2019 Mar 18;16(6):960. doi: 10.3390/ijerph16060960. PMID: 30889810; PMCID: PMC6466235
  24. \*Palumbo AJ, Cannuscio C, **De Roos AJ**, Robinson L, Mossey J, Wallace R, Garcia L, Shadyab AH, Sealy-Jefferson S, Michael Y. Women's occupational patterns and later life physical functioning. *J Aging Health.* 2020 Jun/Jul;32(5-6):410-421. doi: 10.1177/0898264319826797. Epub 2019 Jan 30. PMID: 30698490
  25. Gowda SN, **DeRoos AJ**, Hunt RP, Gasset AJ, Mirabelli MC, Bird CE, Margolis HG, Lane D, Bonner MR, Anderson G, Whitsel EA. Ambient air pollution and lung cancer risk among never-smokers in the Women's Health Initiative. *Environ Epidemiol.* 2019 Dec 1;3(6):e076
  26. Wang C, **De Roos AJ**, Fujishiro K, Allison MA, Wallace R, Seguin RA, Nassir R, Michael YL. Occupational physical activity and coronary heart disease in Women's Health Initiative Observational Study. *J Gerontol A Biol Sci Med Sci.* 2019 Nov 13;74(12):1952-1958. doi: 10.1093/gerona/gly288. PMID: 30590438; PMCID: PMC6853693
  27. **De Roos AJ**, Spinelli J, Brown EB, Atanackovic D, Baris D, Bernstein L, Bhatti P, Camp NJ, Chiu BC, Clavel J, Cozen W, De Sanjosé S, Dosman JA, Hofmann JN, McLaughlin JR, Miligi L, Monnereau A, Orsi L, Purdue MP, Schinasi LH, Tricot GJ, Wang SS, Zhang Y, Birmann BM, Cocco P. Pooled study of occupational exposure to aromatic hydrocarbon solvents and risk of multiple myeloma. *Occup Environ Med.* 2018 Nov;75(11):798-806. doi: 10.1136/oemed-2018-105154. Epub 2018 Aug 18. PMID: 30121582

28. \*Rai A, Gurian PL, Kondo MC, Zakeri I, Robinson L, **De Roos AJ**. An evaluation of changes in opinion from an expert workshop on turbidity in drinking water supplies and acute gastrointestinal illness. *Int J Environ Technol Management* 2018;21:37-63. doi: 10.1504/IJETM.2018.092560
29. Callahan CL, Stewart PA, Friesen MC, Locke S, **De Roos AJ**, Cerhan JR, Severson RK, Rothman N, Purdue MP. Case-control investigation of occupational exposure to chlorinated solvents and non-Hodgkin's lymphoma. *Occup Environ Med* 2018 Jun;75(6):415-420. doi: 10.1136/oemed-2017-104890. Epub 2018 Mar 27
30. \*Schinasi LH, Benmarhnia T, **De Roos AJ**. Modification of the association between high ambient temperature and health by urban microclimate indicators: A systematic review and meta-analysis. *Environ Res* 2018 Feb;161:168-180. doi: 10.1016/j.envres.2017.11.004. Epub 2017 Nov 14
31. Andreotti G, Koutros S, Hofmann JN, Sandler DP, Lubin JH, Lynch CF, Lerro CC, **De Roos AJ**, Parks CG, Alavanja MC, Silverman DT, Beane Freeman LE. Glyphosate use and cancer incidence in the Agricultural Health Study. *J Natl Cancer Inst* 2018 May 1;110(5):509-516. doi: 10.1093/jnci/djx233
32. **De Roos AJ**, Gurian PL, Robinson LF, Rai A, Zakeri I, Kondo MC. Review of epidemiological studies of drinking water turbidity in relation to acute gastrointestinal illness. *Environ Health Perspect* 2017 Aug 17;125(8):086003. doi: 10.1289/EHP1090
33. \*Psoter KJ, Rosenfeld M, **De Roos AJ**, Wakefield J, Mayer JD. Air pollution exposure is associated with MRSA acquisition in young U.S. children with cystic fibrosis. *BMC Pulm Med* 2017 Jul 27;17(1):106. doi: 10.1186/s12890-017-0449-8
34. \*Psoter KJ, **De Roos AJ**, Wakefield J, Mayer JD, Rosenfeld M. Seasonality of acquisition of respiratory bacterial pathogens in young children with cystic fibrosis. *BMC Infect Dis* 2017 Jun 9;17(1):411. doi: 10.1186/s12879-017-2511-9
35. Masters Pedersen J, Budtz-Jørgensen E, **De Roos AJ**, Garcia L, Lund R, Rod NH, Kroenke C, Liu S, Michael Y. Understanding the relation between socioeconomic position and inflammation in post-menopausal women: education, income and occupational prestige. *Eur J Public Health*. 2017 Dec(6):1074-79. <https://doi.org/10.1093/eurpub/ckx070>
36. \*Palumbo A, **De Roos AJ**, Cannuscio C, Robinson L, Mossey J, Weitlauf J, Garcia L, Wallace R, Michael Y. Work characteristics associated with physical functioning in women. *Int J Environ Res Public Health*. 2017 Apr 15;14(4). pii: E424. doi: 10.3390/ijerph14040424. (PMCID: PMC5409625)
37. Birmann BM, Andreotti G, **De Roos AJ**, Camp NJ, Chiu BCH, Spinelli JJ, Becker N, Benhaim-Luzon V, Bhatti P, Boffetta P, Brennan P, Brown EE, Costas L, Cozen W, de Sanjosé S, Foretová L, Giles GG, Maynadié M, Moysich K, Nieters A, Staines A, Tricot G, Weisenburger D, Zhang Y, Baris D, Purdue MP. Young adult and usual adult body mass index and multiple myeloma risk: a pooled analysis in the International Multiple Myeloma Consortium (IMMC). *Cancer Epidemiol Biomarkers Prev* 2017 Jun;26(6):876-885. doi: 10.1158/1055-9965.EPI-16-0762-T. Epub 2017 Feb 21
38. Deziel NC, Nuckols JR, Jones RR, Graubard BI, **De Roos AJ**, Pronk A, Gourley C, Colt JS, Ward MH. Comparison of industrial emissions and carpet dust concentrations of polychlorinated dibenzo-*p*-dioxins and polychlorinated dibenzofurans in a multi-center U.S. study. *Sci Total Environ* 2017 Feb 15;580:1276-1286. doi: 10.1016/j.scitotenv.2016.12.090. Epub 2016 Dec 22
39. Bernatsky S, Velásquez Garcia HA, Spinelli JJ... **De Roos AJ** (31/101)...Zucca M, Clarke AE. Lupus-related single nucleotide polymorphisms and risk of diffuse large B-cell lymphoma. *Lupus Sci Med*. 2017 Nov 12;4(1):e000187. doi: 10.1136/lupus-2016-000187. eCollection 2017.
40. \*Abualfaraj N, Olson MS, Gurian PL, **De Roos A**, Gross-Davis CA. Statistical analysis of compliance violations for natural gas wells in Pennsylvania. *Energy Policy* 2016(97):421-428. Epub 2016 Aug 6
41. Lerro CC, Beane Freeman LE, Portengen L, Kang D, Lee K, Blair A, Lynch CF, Bakke B, **De Roos AJ**, Vermeulen RCH. A longitudinal study of atrazine and 2,4-D exposure and oxidative stress markers among Iowa corn farmers. *Environ Mol Mutagen* 2017 Jan;58(1):30-38. doi: 10.1002/em.22069

42. Rand KA, Song C, Dean E...**De Roos AJ** (84/102)...Haiman CA, Cozen W. A meta-analysis of multiple myeloma risk regions in African and European ancestry populations identifies putatively functional loci. *Cancer Epidemiol Biomarkers Prev* 2016 Dec;25(12):1609-1618. Epub 2016 Sep 1
43. Edlefsen KL, Cherian S, **De Roos AJ**, Getaneh A, Lessin L, Li W, Wood BL, Reiner AP. Detection of non-CLL-like monoclonal B cell lymphocytosis increases dramatically in the extreme elderly, while detection of CLL-like populations varies by race: Findings in a multiethnic population-based cohort of elderly women. *Ann Hematol* 2016 Oct;95(10):1695-704. doi: 10.1007/s00277-016-2760-5. Epub 2016 Jul 29
44. \*Schinasi LH, Brown E, Wang S, **De Roos AJ**. Multiple myeloma and family history of lymphohematopoietic cancers: results from the International Multiple Myeloma Consortium. *Brit J Haematol* 2016 Oct;175(1):87-101. doi: 10.1111/bjh.14199. Epub 2016 Jun 22
45. Parks CG, Hoppin JA, **De Roos AJ**, Costenbader KH, Alavanja MC, Sandler DP. Rheumatoid arthritis in Agricultural Health Study spouses: Associations with pesticides and other farm exposures. *Environ Health Perspect*.2016 Nov;124(11):1728-1734. doi: 10.1289/EHP129. Epub 2016 Jun 10. PMID: 27285288; PMCID: PMC5089872
46. Machiela MJ, Lan Q, Slager SL...**De Roos AJ** (22/120)...Chanock SJ, Rothman N. Genetically predicted longer telomere length is associated with increased risk of B-cell lymphoma subtypes. *Hum Mol Genet* 2016 Apr 15;25(8):1663-76. doi: 10.1093/hmg/ddw027. Epub 2016 Feb 9
47. Berndt SI, Camp NJ, Skibola CF...**De Roos AJ** (78/126)...Rothman N, Slager SL. Meta-analysis of genome-wide association studies discovers multiple loci for chronic lymphocytic leukemia. *Nat Commun* 2016 Mar 9;7:10933. doi: 10.1038/ncomms10933
48. Hofmann JN, Birmann BM, Teras LR, Pfeiffer RM, Wang Y, Albanes D, Baris D, Colditz GA, **De Roos AJ**, Giles GG, Hosgood HD, Lan Q, Landgren O, Liao LM, Rothman N, Weinstein SJ, Pollak MN, Neuhauser ML, Purdue MP. Low levels of circulating adiponectin are associated with multiple myeloma risk in overweight and obese individuals. *Cancer Res* 2016 Apr 1;76(7):1935-41. doi: 10.1158/0008-5472.CAN-15-2406. Epub 2016 Feb 26
49. \*Jusko TA, **De Roos AJ**, Lee SY, Thevenet-Morrison K, Schwartz SM, Verner M, Murínová L, Drobná B, Kočan A, Fabišíková A, Čonka A, Trnovec T, Hertz-Picciotto I, Lawrence BP. A birth cohort study of maternal and infant serum PCB-153 and DDE concentrations and responses to infant tuberculosis vaccination. *Environ Health Perspect Environ Health Perspect*. 2016 Jun;124(6):813-21. doi: 10.1289/ehp.1510101. Epub 2015 Dec 9
50. DellaValle CT, Delziel NC, Colt JS, **De Roos AJ**, Cerhan JR, Cozen W, Severson RK, Jones RR, Flory AR, Morton LM, Ward MH. Polycyclic aromatic hydrocarbons: determinants of residential carpet dust levels and risk of non-Hodgkin lymphoma. *Cancer Causes Control* 2016 Jan;27(1):1-13. doi: 10.1007/s10552-015-0660-y. Epub 2015 Nov 16
51. Costas L, Lambert B, Birmann BM, Moysich K, **De Roos AJ**, Hofmann JN, Baris D, Camp N, Wang SS, Brennan P, Cocco P, Nieters A, Becker N, Maynadié M, Foretová L, Boffetta P, Staines A, Brown EE, de Sanjose S. A pooled analysis of reproductive factors, exogenous hormone use and risk of multiple myeloma among women in the International Multiple Myeloma Consortium. *Cancer Epidemiol Biomarkers Prev* 2016 Jan;25(1):217-21. doi: 10.1158/1055-9965.EPI-15-0953. Epub 2015 Oct 13
52. \*Psoter KJ, **De Roos AJ**, Wakefield J, Mayer JD, Bryan M, Rosenfeld M. Association of meteorological and geographical factors and risk of initial *Pseudomonas aeruginosa* acquisition in young children with cystic fibrosis. *Epidemiol Infect* 2016 Apr;144(5):1075-83. doi: 10.1017/S0950268815002411. Epub 2015 Oct 9
53. \*Schinasi LH, **De Roos AJ**, Ray RM, Edlefsen KL, Parks CG, Howard BV, Meliker JR, Bonner MR, Wallace RB, LaCroix AZ. Insecticide exposure and farm history in relation to risk of lymphomas and leukemias in the Women's Health Initiative (WHI) observational study cohort. *Ann Epidemiol* 2015;25:803-810. doi: 10.1016/j.annepidem.2015.08.002. Epub 2015 Aug 19
54. 't Mannetje, **De Roos AJ**, Boffetta P, Cocco P, Benke G, Blair A, Chiu B, De Sanjose S, Hartge P, Holly E, Roman E, Costantini A, Spinelli J, Zheng T, Krickler A. Occupation and risk of non-Hodgkin

- lymphoma and subtypes: A pooled analysis from the InterLymph Consortium. *Environ Health Perspect* 2016 Apr;124(4):396-405. doi: 10.1289/ehp.1409294. Epub 2015 Sep 4
55. Nordsborg RB, Sloan CD, Shahid H, Jacquez GM, **De Roos AJ**, Cerhan JR, Cozen W, Severson R, Ward MH, Morton L, Raaschou-Nielsen O, Meliker JR. Investigation of spatio-temporal cancer clusters using residential histories in a case-control study of non-Hodgkin lymphoma in the United States. *Environ Health* 2015;14:48. doi: 10.1186/s12940-015-0034-7
  56. Czarnota J, Gennings C, Colt JS, **De Roos AJ**, Cerhan JR, Severson RK, Hartge P, Ward MH, Wheeler DC. 2015. Analysis of environmental chemical mixtures and non-Hodgkin lymphoma risk in the NCI-SEER NHL study. *Environ Health Perspect* 2015 Oct;123(10):965-70. doi: 10.1289/ehp.1408630. Epub 2015 Mar 6
  57. DellaValle CT, Purdue MP, Ward MH, Locke SJ, Stewart PA, **De Roos AJ**, Hartge P, Rothman N, Friesen M. Validity of expert assigned retrospective estimates of occupational polychlorinated biphenyl exposure. *Ann Occup Hyg* 2015;59:609-15. doi: 10.1093/annhyg/mev001. Epub 2015 Mar 3
  58. Wang SS, Vajdic CM, Linet MS...**De Roos AJ** (36/47)...Ekstrom-Smedby KE. Non-Hodgkin lymphoma (NHL) risk associated with autoimmune conditions according to putative NHL loci. *Am J Epidemiol*. 2015;181:406-21. doi: 10.1093/aje/kwu290. Epub 2015 Feb 23
  59. \*Psoter KJ, **De Roos AJ**, Mayer JD, Kaufman JD, Wakefield J, Rosenfeld M. Fine particulate matter exposure and initial *Pseudomonas aeruginosa* acquisition in cystic fibrosis. *Ann Am Thorac Soc* 2015;12:385-91. doi: 10.1513/AnnalsATS.201408-400OC
  60. Vijai J, Wang Z, Berndt S...**De Roos AJ** (64/102)...Rothman N, Nieters A. A genome-wide association study of marginal zone lymphoma shows association to the HLA region. *Nat Commun* 2015;6:5751. doi: 10.1038/ncomms6751
  61. Andreotti G, Birmann BM, Cozen W, **De Roos AJ**, Chiu BH, Costas L, de Sanjose S, Moysich K, Camp NJ, Spinelli JJ, Pahwa P, Dosman JA, McLaughlin JR, Boffetta P, Staines A, Weisenburger D, Benhaim-Luzon V, Brennan P, Seniori Costantini A, Miligi L, Campagna M, Nieters A, Becker N, Maynadie M, Foretova L, Zheng T, Tricot G, Milliken K, Krystan J, Stepkowski E, Baris D, Purdue MP. A pooled analysis of smoking and risk of multiple myeloma from the International Multiple Myeloma Consortium. *Cancer Epidemiol Biomarkers Prev*. 2015;24:631-4. doi: 10.1158/1055-9965.EPI-14-1145. Epub 2014 Dec 23
  62. Skibola CF, Berndt SI, Vijai J...**De Roos AJ** (65/112)...Chanock SJ, Rothman N. Genome-wide association study identifies five susceptibility loci for follicular lymphoma outside the HLA region. *Am J Hum Genet* 2014;95:462-71. doi: 10.1016/j.ajhg.2014.09.004
  63. Cerhan J, Berndt SI, Vijai J...**De Roos AJ** (16/102)...Rothman N, Chanock SJ. Genome-wide association study identifies multiple susceptibility loci for diffuse large B-cell lymphoma. *Nature Genet* 2014;46:1233-8. doi: 10.1038/ng.3105. Epub 2014 Sep 28
  64. \*Upton K, Sathyanarayana S, **De Roos AJ**, Koch H, Scholes D, Holt VL. A population-based case-control study of urinary bisphenol A concentrations and risk of endometriosis. *Human Reprod* 2014;29:2457-64. doi: 10.1093/humrep/deu227. Epub 2014 Sep 9
  65. Morton LM, Slager SL, Cerhan JR...**De Roos AJ** (44/87)...Sampson JN. Etiologic heterogeneity among NHL subtypes: The InterLymph NHL Subtypes Project. *J Natl Cancer Inst* 2014(48):130-44. doi: 10.1093/jncimonographs/lgu013
  66. Linet MS, Vajdic CM, Morton LM, **De Roos AJ**, Skibola CF, Boffetta P, Cerhan JR, Flowers CR, de Sanjose S, Monnereau A, Cocco P, Kelly JL, Smith AG, Weisenburger DD, Clarke CA, Blair A, Bernstein L, Zheng T, Miligi L, Clavel J, Benavente Y, Chiu BCH. Medical history, lifestyle, family history, and occupational risk factors for follicular lymphoma: The InterLymph Non-Hodgkin Lymphoma Subtypes Project. *J Natl Cancer Inst Monogr* 2014;48:26-40. doi: 10.1093/jncimonographs/lgu006
  67. Morton LM, Sampson JN, Cerhan JR...**De Roos AJ** (34/43)...Slager SL. Rationale and design of the International Lymphoma Epidemiology Consortium (InterLymph) Non-Hodgkin Lymphoma Subtypes Project. *J Natl Cancer Inst Monogr* 2014;48:1-14. doi: 10.1093/jncimonographs/lgu005

68. **De Roos AJ**, Koehoorn M, Tamburic L, Davies H, Brauer M. Proximity to traffic, ambient air pollution, and community noise in relation to rheumatoid arthritis. *Environ Health Perspect* 2014;122:1075-80. doi: 10.1289/ehp.1307413
69. \*Psoter KJ, Rosenfeld M, **De Roos AJ**, Mayer J, Wakefield J. Differential geographical risk of initial *Pseudomonas aeruginosa* acquisition in young U.S. children with cystic fibrosis. *Am J Epidemiol* 2014;179:1503-13. doi: 10.1093/aje/kwu077. Epub 2014 May 29
70. Parks CG, **De Roos AJ**. Pesticides, chemical and industrial exposures in relation to systemic lupus erythematosus. *Lupus* 2014;23:527-36. doi: 10.1177/0961203313511680
71. \*Hsu CW, Yamamoto KT, Henry RK, **De Roos AJ**, Flynn JT. Prenatal risk factors for childhood chronic kidney disease in Washington State: A population-based case-control study. *J Am Soc Nephrol*. Epub 2014 Apr 17
72. \*Spector JT, **De Roos AJ**, Ulrich CM, McTiernan A. Plasma polychlorinated biphenyl concentrations and immune function. *Environ Res* 2014;131:174-80. doi: 10.1016/j.envres.2014.03.011. Epub 2014 Apr 11
73. Locke SJ, Colt JS, Stewart PA, Armenti KR, Baris D, Blair A, Cerhan JR, Chow WH, Cozen H, Davis F, **De Roos AJ**, Hartge P, Karagas MR, Johnson A, Purdue MP, Rothman N, Schwartz K, Schwenn M, Severson R, Silverman DT, Friesen MC. Identifying gender differences in reported occupational information from three U.S. population-based case-control studies. *Occup Environ Med*. doi: 10.1136/oemed-2013-10180. Epub 2014 Mar 28
74. Edlefsen KL, Martínez-Maza O, LaCroix AZ, Madeleine MM, Magpantay L, Mirick DK, Kopecky KJ, **De Roos AJ**. Cytokines in serum in relation to future non-Hodgkin lymphoma risk: Evidence for associations by histologic subtype. *Int J Cancer* 2014. doi: 10.1002/ijc.28724. Epub 2014 Jan 13
75. McAteer JP, Hecht A, **De Roos AJ**, Goldin AB. Maternal medical and behavioral risk factors for congenital diaphragmatic hernia. *J Pediatr Surg* 2014;49:34-8. doi: 10.1016/j.jpedsurg.2013.09.025. Epub 2013 Oct 5
76. \*Upton K, **De Roos AJ**, Thompson ML, Sathyanarayana S, Scholes D, Holt VL. Pesticides and risk of endometriosis: findings from the WREN study. *Environ Health Perspect* 2013;121:1319-24. doi: 10.1289/ehp.1306648. Epub 2013 Sep 17. (PMCID: PMC3855515)
77. Andreotti G, Birmann B, **De Roos AJ**, Spinelli J, Cozen W, Camp MJ, Moysich K, Chiu B, Steplowski E, Krzystan J, Boffetta P, Benhaim-Luzon V, Brennan P, De Sanjose S, Costas Caudet L, Costantini AS, Miligi L, Cocco P, Becker N, Foretova L, Maynadie M, Nieters A, Staines A, Tricot G, Milliken K, Weisenburger D, Baris D, Purdue MP. A pooled analysis of alcohol consumption and risk of multiple myeloma in the International Multiple Myeloma Consortium. *Cancer Epidemiol Biomarkers Prev* 2013;22:1620-7. doi: 10.1158/1055-9965.EPI-13-0334. Epub 2013 Aug 20. (PMCID: PMC3769449)
78. DellaValle CT, Wheeler DC, Deziel NC, **De Roos AJ**, Cerhan JR, Cozen W, Severson R, Flory AR, Colt JC, Hartge P, Ward MH. Determinants of polychlorinated biphenyl concentrations in residential carpet dust. *Environ Sci Technol* 2013;47:10405-14. doi: 10.1021/es401447w. Epub 2013 Aug 27
79. Shadman M, White E, **De Roos AJ**, Walter RB. Associations between allergies and risk of hematologic malignancies: results from the VITamins and Lifestyle (VITAL) cohort study. *Am J Hematol* 2013;88:1050-4. doi: 10.1002/ajh.23564
80. \*Upton K, Sathyanarayana S, **De Roos AJ**, Thompson ML, Scholes D, Dills R, Holt VL. Phthalates and risk of endometriosis. *Environ Research* 2013;126:91-7. doi: 10.1016/j.envres.2013.07.003. Epub 2013 Jul 25. (PMCID: PMC3905445)
81. **De Roos AJ**, Edlefsen K, Jerome K, LaCroix AZ, Mirick D, Kopecky K, Madeleine M, Magpantay L, Martínez-Maza O. Investigation of Epstein-Barr virus in association with B-cell non-Hodgkin lymphoma in a prospective cohort. *Cancer Epidemiol Biomarkers Prev* 2013;22:1747-55. doi: 10.1158/1055-9965.EPI-13-0240. Epub 2013 Jul 24
82. \*Psoter K, **De Roos AJ**, Wakefield J, Mayer J, Rosenfeld M. Season is associated with *Pseudomonas aeruginosa* acquisition in young children with cystic fibrosis. *Clin Microbiol Infect* 2013;19:E483-9. doi: 10.1111/1469-0691.12272. Epub 2013 Jun 25



83. Berndt AJ, Skibola CF, Vijai J, Camp NJ, Nieters A, Wang Z, et al., **De Roos AJ**, et al., Slager SL. Genome-wide association study identifies multiple risk loci for chronic lymphocytic leukemia. *Nat Genet* 2013;45:868-76. doi: 10.1038/ng.2652. Epub 2013 Jun 16. (PMCID: PMC3729927)
84. Pronk A, Nuckols JR, **De Roos AJ**, Airola M, Colt JS, Cerhan JR, Cozen W, Severson R, Blair A, Cleverly D, Ward MH. Residential proximity to industrial combustion facilities and risk of non-Hodgkin lymphoma: a case-control study. *Environ Health* 2013;22:12-20. doi: 10.1186/1476-069X-12-20. (PMCID: PMC3599890)
85. Perrotta C, Kleefeld S, Staines A, Tewari P, **De Roos AJ**, Baris D, Birmann B, Chiu B, Cozen W, Becker N, Foretova L, Maynadie M, Nieters A, de Sanjose S, Miligi L, Costantini AS, Spinelli J, Cocco P. Multiple myeloma and occupation: a pooled analysis by the International Multiple Myeloma Consortium. *Cancer Epidemiol* 2013;37:300-5. doi: 10.1016/j.canep.2013.01.008. Epub 2013 Feb 9
86. Wang J, Cozen W, Thorne PS, Berhane K, Cerhan JR, Hartge P, Ward MH, **De Roos AJ**, Severson R, Morton LM, Bernstein L, Linet MS, Colt JS. Household endotoxin levels and the risk of non-Hodgkin lymphoma. *Cancer Causes Control* 2013;24:357-64. doi: 10.1007/s10552-012-0121-9. Epub 2013 Jan 1. (PMCID: PMC3800025)
87. Kaplan H, Malmgren J, **De Roos AJ**. Risk of myelodysplastic syndrome and acute myeloid leukemia post radiation treatment for breast cancer: a population-based study. *Breast Cancer Res Treat* 2013;137:863-7. doi: 10.1007/s10549-012-2386-9. Epub 2012 Dec 30
88. \*Calip GS, McDougall J, Wheldon MC, Li CI, **De Roos AJ**. Evaluation of seasonality in the diagnosis of acute myeloid leukemia among adults in the United States, 1992-2008. *Br J Haematol* 2013;160:343-50. doi: 10.1111/bjh.12137. Epub 2012 Nov 28. (PMCID: PMC3552069)
89. Gibson TM, Smedby KE, Skibola CF, Hein DW, Slager SL, de Sanjose S, Vajdic CM, Zhang Y, Chiu BC, Wang SS, Hjalgrim H, Nieters A, Bracci PM, Krickler A, Zheng T, Kolar C, Cerhan JR, Darabi H, Becker N, Conde L, Holford TR, Weisenburger DD, **De Roos AJ**, Butterbach K, Riby J, Cozen W, Benavente Y, Palmers C, Sampson JN, Rothman N, Armstrong BK, Morton LM. Smoking, variation in N-acetyltransferase 1 (NAT1) and 2 (NAT2) and risk of non-Hodgkin lymphoma: a pooled analysis within the InterLymph consortium. *Cancer Causes Control* 2013;24:125-34. doi: 10.1007/s10552-012-0098-4. Epub 2012 Nov 18. (PMCID: PMC3529854)
90. Nieters A, Conde L, Slager SL, Brooks-Wilson A, Morton L, Skibola DR, Novak AJ, Riby J, Ansell SM, Halperin E, Shanafelt ED, Agana L, Wang AH, **De Roos AJ**, Severson RK, Cozen W, Spinelli J, Butterbach K, Becker N, de Sanjose S, Benavente Y, Cocco P, Staines A, Maynadié M, Foretova L, Boffetta P, Brennan P, Lan Q, Zhang Y, Zheng T, Purdue M, Armstrong B, Krickler A, Vajdic C, Grulich A, Smith MT, Bracci PM, Chanock SJ, Hartge P, Cerhan JR, Wang SS, Rothman N, Skibola CF. PRRC2A and BCL2L1 gene variants influence risk of non-Hodgkin lymphoma: results from the InterLymph consortium. *Blood* 2012;120:4645-8 doi: 10.1182/blood-2012-05-427989. Epub 2012 Oct 9. (PMCID: PMC3512239)
91. **De Roos AJ**, Mirick D, Edlefsen K, LaCroix AZ, Kopecky K, Madeleine M, Magpantay L, Martínez-Maza O. Markers of B-cell activation in relation to risk of non-Hodgkin lymphoma. *Cancer Res* 2012;72:4733-43. Epub 2012 Jul 30. (PMCID: PMC3445724)
92. Deziel NC, Nuckols JR, Colt JS, **De Roos AJ**, Pronk A, Gourley C, Severson RK, Cozen W, Cerhan JR, Hartge P, Ward MH. Determinants of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans in house dust samples from four areas of the United States. *Sci Total Environ* 2012;433:516-22. doi: 10.1016/j.scitotenv.2012.06.098. Epub 2012 Jul 24. (PMCID: PMC3431600)
93. Miller FW, Alfredsson L, Costenbader KH, Kamen DL, Nelson L, Norris JM, **De Roos AJ**. Epidemiology of environmental exposures and human autoimmune diseases: Findings from a National Institute of Environmental Health Sciences expert panel workshop. *J Autoimmun* 2012;39:259-71. doi: 10.1016/j.jaut.2012.05.002. Epub 2012 Jun 25. (PMCID: PMC3496812)
94. \*Grant EJ, Ozasa K, Preston DL, Suyama A, Shimizu Y, Sakata R, Sugiyama H, Pham T-M, Cologne J, Yamada M, **De Roos AJ**, Kopecky KJ, Porter MP, Seixas N, Davis S. Effects of radiation and lifestyle factors on risks of urothelial carcinoma in the Life Span Study of atomic bomb survivors. *Radiation Res* 2012;178:86-98. Epub 2012 May 25

95. **De Roos AJ**, Ulrich CM, McTiernan A. Adiposity, body composition, and weight loss episodes in relation to organochlorine pollutant plasma concentrations. *J Expo Sci Environ Epidemiol* 2012;22:617-24. doi: 10.1038/jes.2012.43. Epub 2012 May 16
96. Beane Freeman LE, **De Roos AJ**, Koutros S, Blair A, Ward MH, Alavanja M, Hoppin JA. Poultry and livestock exposure and cancer risk among farmers in the Agricultural Health Study. *Cancer Causes Control* 2012;23:663-70. PMID: PMC3337970
97. \*Williams L, Ulrich CM, Larson T, Wener MH, Wood B, Chen-Levy Z, Campbell PT, Potter JD, McTiernan A, **De Roos AJ**. Fine particulate matter (PM<sub>2.5</sub>) air pollution and immune status among women in the Seattle area. *Arch Environ Occup Health* 2011;66(3):155-65. doi: 10.1080/19338244.2010.539636
98. Wang SS, Lu Y, Abdou AM, Cerhan JR, Davis S, Severson RK, Cozen W, **De Roos AJ**, Rothman N, Morton LM, Carrington M, Hartge P. Variation in effects of non-Hodgkin lymphoma (NHL) risk factors according to human leukocyte antigen (*HLA*)-*DRB1\*01:01* allele and ancestral haplotype 8.1. *PLoS One* 2011;6(11):e26949. doi: 10.1371/journal.pone.0026949. Epub 2011 Nov 9. (PMCID: PMC3212525)
99. \*Trabert B, Schwartz SM, Peters U, **De Roos AJ**, Chen C, Scholes D, Holt HL. Genetic variation in the sex hormone metabolic pathway and endometriosis risk: an evaluation of candidate genes. *Fertil Steril* 2011;96:1401-6. doi: 10.1016/j.fertnstert.2011.09.004. Epub 2011 Sep 28. (PMCID: PMC3228888)
100. Kabat GC, Kim MY, Wactawski-Wende J, Bea JW, Edlefsen KL, Adams-Campbell LL, **De Roos AJ**, Rohan TE. Anthropometric factors, physical activity, and risk of non-Hodgkin's lymphoma in the Women's Health Initiative. *Cancer Epidemiol* 2012;36(1):52-9. doi: 10.1016/j.canep.2011.05.014. Epub 2011 Aug 4
101. Wheeler DC, **De Roos AJ**, Cerhan JR, Morton LM, Severson R, Cozen W, Ward MH. Spatial-temporal analysis of non-Hodgkin lymphoma in the NCI-SEER NHL case-control study. *Environ Health* 2011;10:63. doi: 10.1186/1476-069X-10-63. (PMCID: PMC3148953)
102. Purdue MP, Bakke B, Stewart P, **De Roos AJ**, Schenk M, Bernstein L, Morton LM, Cerhan JR, Severson RK, Cozen W, Davis S, Rothman N, Hartge P, Colt JS. A case-control study of occupational exposure to trichloroethylene and risk of non-Hodgkin lymphoma. *Environ Health Perspect* 2011;119(2):232-8. (PMCID: PMC3040611)
103. \*Jusko TA, **De Roos AJ**, Schwartz SM, Lawrence BP, Palkovicova L, Nemessanyi T, Drobna B, Fabisikova A, Kocan A, Jahnova E, Kavanagh TJ, Trnovec T, Hertz-Picciotto I. Maternal and early postnatal polychlorinated biphenyl exposure in relation to total serum immunoglobulin concentrations in 6-month-old infants. *J Immunotoxicol* 2011;8(1):95-100. doi: 10.3109/1547691X.2010.549096. (PMCID: PMC3086069)
104. Bennett TD, Klein MB, Sorensen MD, **De Roos AJ**, Rivara FP. Influence of birth hospital on outcomes of ductal-dependent cardiac lesions. *Pediatrics* 2010;126(6):1156-64. doi: 10.1542/peds.2009-2829. Epub 2010 Nov 22
105. \*Trabert B, Peters U, **De Roos AJ**, Scholes D, Holt VL. Diet and risk of endometriosis in a population-based case-control study. *Br J Nutr* 2011;105(3):459-67. doi: 10.1017/S0007114510003661. Epub 2010 Sep 28. (PMCID: PMC3374872)
106. \*Gold LS, Stewart P, Milliken K, Purdue MP, Severson R, Seixas N, Blair A, Hartge P, Davis S, **De Roos AJ**. The relationship between multiple myeloma and occupational exposure to six chlorinated solvents. *Occup Environ Med* 2011 Jun;68(6):391-9. doi: 10.1136/oem.2009.054809. Epub 2010 Sep 10. (PMCID: PMC3094509)
107. **De Roos AJ**, Deeg J, Onstad L, Kopecky K, Bowles EA, Yong M, Fryzek J, Davis S. Incidence of myelodysplastic syndromes within a nonprofit health care system in Western Washington State, 2005-2006. *Am J Hematol* 2010;85(10):765-70. doi: 10.1002/ajh.21828
108. Parks CG, Walitt B, Pettinger M, Chen JC, **De Roos AJ**, Hunt J, Sarto G, Howard BV. Insecticide use and risk of autoimmune rheumatic diseases in the Women's Health Initiative Observational Study. *Arthritis Care Res* 2011;63(2):184-94. doi: 10.1002/acr.20335. (PMCID: PMC3593584)

109. \*Gold LS, Milliken K, Stewart P, Purdue M, Severson R, Seixas N, Blair A, Davis S, Hartge P, **De Roos AJ**. Occupation and multiple myeloma: an occupation and industry analysis. *Am J Indust Med* 2010;53:768-79. doi: 10.1002/ajim.20857. (PMCID: PMC3085317)
110. \*Trabert B, **De Roos AJ**, Schwartz SM, Peters U, Scholes D, Barr DB, Holt VL. Non-dioxin-like polychlorinated biphenyls and risk of endometriosis. *Environ Health Perspect* 2010;118(9):1280-5. doi: 10.1289/ehp.0901444. Epub 2010 Apr 27. (PMCID: PMC2944090)
111. \*Jusko TA, **De Roos AJ**, Schwartz SM, Lawrence BP, Palkovicova L, Nemessanyi T, Drobna B, Fabisikova A, Kocan A, Sonneborn D, Jahnova E, Kavanagh TJ, Trnovec T, Hertz-Picciotto I. A cohort study of developmental polychlorinated biphenyl (PCB) exposure in relation to post-vaccination antibody response at 6-months of age. *Environmental Res* 2010;110(4):388-95. doi: 10.1016/j.envres.2010.02.010. Epub 2010 Apr 7. (PMCID: PMC2859670)
112. \*Wong EY, Ray R, Gao DL, Wernli KJ, Li W, Fitzgibbons ED, Camp JE, Heagerty PJ, **De Roos AJ**, Holt V, Thomas DB, Checkoway H. Physical activity, physical exertion, and miscarriage risk in women textile workers in Shanghai, China. *Am J Indust Med* 2010;53(5):497-505. doi: 10.1002/ajim.20812. (PMCID: PMC2863132)
113. \*Hofmann JN, Keifer MC, Checkoway H, **De Roos AJ**, Farin FM, Fenske RA, Richter RJ, van Belle G, Furlong CE. Biomarkers of sensitivity and exposure in Washington State pesticide handlers. *Adv Exp Med Biol*. 2010;660:19-27. doi: 10.1007/978-1-60761-350-3\_3. (PMCID: PMC3041670)
114. \*Ross ME, Wakefield J, Davis S, **De Roos AJ**. Spatial clustering of myelodysplastic syndromes (MDS) in the Seattle-Puget Sound region of Washington State. *Cancer Causes Control* 2010;21(6):829-38. doi: 10.1007/s10552-010-9509-6. Epub 2010 Jan 26. (PMCID: PMC3196606)
115. Skibola CF, Bracci PM, Nieters A, Brooks-Wilson A, de Sanjosé S, Hughes AM, Cerhan JR, Skibola DR, Purdue M, Kane E, Lan Q, Foretova L, Schenk M, Spinelli JJ, Slager SL, **De Roos AJ**, Smith MT, Roman E, Cozen W, Boffetta P, Krickler A, Zheng T, Lightfoot T, Cocco P, Benavente Y, Zhang Y, Hartge P, Linet MS, Becker N, Brennan P, Zhang L, Armstrong B, Smith A, Shiao R, Novak AJ, Maynadie M, Chanock SJ, Staines A, Holford TR, Holly EA, Rothman N, Wang SS. Tumor necrosis factor (TNF) and lymphotoxin- $\alpha$  (LTA) polymorphisms and risk of non-Hodgkin lymphoma in the InterLymph Consortium. *Am J Epidemiol* 2010;171(3):267-76. doi: 10.1093/aje/kwp383. Epub 2010 Jan 4. (PMCID: PMC2842204)
116. **De Roos AJ**, Ulrich CM, Ray RM, Mossavar-Rahmani Y, Rosenberg CA, Caan BJ, Thomson CA, McTiernan A, LaCroix AZ. Intentional weight loss and risk of lymphohematopoietic cancers. *Cancer Causes Control* 2010;21(2):223-36. doi: 10.1007/s10552-009-9453-5. Epub 2009 Oct 23
117. **De Roos AJ**, Hartge P, Colt JS, Blair A, Airola M, Severson RK, Cozen W, Cerhan JR, Davis S, Nuckols JR, Ward MH. Residential proximity to industrial facilities and risk of non-Hodgkin lymphoma. *Environ Res* 2010;110(1):70-8. doi: 10.1016/j.envres.2009.09.011. Epub. (PMCID: PMC2795078)
118. \*Hofmann JN, Keifer MC, **De Roos AJ**, Fenske RA, Furlong CE, van Belle G, Checkoway H. Occupational determinants of serum cholinesterase inhibition among organophosphate-exposed agricultural pesticide handlers in Washington State. *Occup Environ Med* 2010;67(6):375-86. doi: 10.1136/oem.2009.046391. Epub 2009 Oct 9. (PMCID: PMC2908529)
119. \*Hofmann JN, Keifer MC, Furlong CE, **De Roos AJ**, Farin FM, Fenske RA, van Belle G, Checkoway H. Serum cholinesterase inhibition in relation to paraoxonase-1 (PON1) status among organophosphate-exposed agricultural pesticide handlers. *Environ Health Perspect* 2009;117(9):1402-8. doi: 10.1289/ehp.0900682. Epub 2009 Jun 9. (PMCID: PMC2737017)
120. \*Gold LS, **De Roos AJ**, Brown EE, Lan Q, Milliken K, Davis S, Chanock S, Zhang Y, Severson R, Zahm S, Zheng T, Rothman N, Baris D. Associations of common variants involved in metabolism and response to exogenous chemicals with risk of multiple myeloma. *Cancer Epidemiol* 2009;33(3-4):276-80. doi: 10.1016/j.canep.2009.08.005. Epub 2009 Sep 6. (PMCID: PMC2808169)
121. \*Williams L, Ulrich CM, Larson T, Wener MH, Wood B, Campbell PT, Potter J, McTiernan A, **De Roos AJ**. Proximity to traffic in relation to inflammation and immune function among women in the

- Seattle area. *Environ Health Perspect* 2009;117(3):373-8. doi: 10.1289/ehp.11580. Epub 2008 Oct 16. (PMCID: PMC2661906)
122. \*Arima Y, Guthrie BL, Rhew IC, **De Roos AJ**. The impact of the First Steps prenatal care program on birth outcomes among women receiving Medicaid in Washington State. *Health Policy* 2009;92(1):49-54. doi: 10.1016/j.healthpol.2009.02.004. Epub 2009 Mar 25
  123. Colt JS, Rothman N, Severson RK, Hartge P, Cerhan JR, Chatterjee N, Cozen W, Morton LM, **De Roos AJ**, Davis S, Chanock S, Wang SS. Organochlorine exposure, immune gene variation, and risk of non-Hodgkin lymphoma. *Blood* 2009;113(9):1899-905. doi: 10.1182/blood-2008-04-153858. Epub 2008 Dec 9. (PMCID: PMC2651009)
  124. Bakke B, **De Roos AJ**, Barr DB, Stewart PA, Blair A, Lynch CF, Allen R, Alavanja MCR, Vermeulen R. Exposure to atrazine and selected non-persistent pesticides among corn farmers during a growing season. *J Expo Sci Environ Epidemiol* 2009;19(6):544-54 doi: 10.1038/jes.2008.53. Epub 2008 Dec 3. (PMCID: PMC3048843)
  125. Purdue MP, Severson RK, Colt JS, Stewart P, **De Roos AJ**, Cerhan JR, Cozen W, Davis S, Hartge P, Schenk M, Blair A. Degreasing and risk of non-Hodgkin lymphoma. *Occup Environ Med* 2009;66(8):557-60. doi: 10.1136/oem.2008.040386. Epub 2008 Nov 18. (PMCID: PMC2995288)
  126. \*Gold LS, **De Roos AJ**, Waters M, Stewart P. Systematic literature review of uses and levels of occupational exposure to tetrachloroethylene. *J Occup Environ Health* 2008;5(12):807-39. doi: 10.1080/15459620802510866
  127. \*Wong EY Ray RM, Gao DL, Wernli KJ, Li W, Fitzgibbons ED, Camp JE, Astrakianakis G, Heagerty PJ, **De Roos AJ**, Holt VL, Thomas DB, Checkoway H. Dust and chemical exposures, and miscarriage risk among women textile workers in Shanghai, China. *Occup Environ Med* 2009;66(3):161-8. doi: 10.1136/oem.2008.039065. Epub 2008 Sep 19. (PMCID: PMC2862777)
  128. Schenk M, Purdue MP, Colt JS, Hartge P, Blair A, Stewart P, Cerhan JR, **De Roos AJ**, Cozen W, Severson RK. Occupation/industry and risk of non-Hodgkin lymphoma in the United States. *Occup Environ Med* 2009;66(1):23-31. doi: 10.1136/oem.2007.036723. Epub 2008 Sep 19. (PMCID: PMC3051169)
  129. Morton LM, Wang SS, Cozen W, Linet MS, Chatterjee N, Davis S, Severson RK, Colt JS, Vasef MA, Rothman N, Blair A, Bernstein L, Cross AJ, **De Roos AJ**, Engels EA, Hein DW, Hill DA, Kelemen LE, Lim U, Lynch CF, Schenk M, Wacholder S, Ward MH, Zahm SH, Chanock SJ, Cerhan JR, Hartge P. Etiologic heterogeneity among non-Hodgkin lymphoma subtypes. *Blood* 2008;112(13):5150-60. doi: 10.1182/blood-2008-01-133587. Epub 2008 Sep 16. (PMCID: PMC2597610)
  130. \*Wernli KJ, Ray RM, Gao DL, Fitzgibbons ED, Camp J, Astrakianakis G, Seixas N, Wong EY, **De Roos AJ**, Feng Z, Thomas DB, Checkoway H. Occupational risk factors for endometrial cancer among textile workers in Shanghai, China. *Am J Ind Med* 2008;51(9):673-9. doi: 10.1002/ajim.20614. (PMCID: PMC2574926)
  131. **De Roos AJ**, Cooper GS, Alavanja M, Sandler D. Personal and family medical history correlates of rheumatoid arthritis. *Ann Epidemiol* 2008;18(6):433-9. doi: 10.1016/j.annepidem.2007.12.011. Epub 2008 Mar 17. (PMCID: PMC3179430)
  132. \*Wernli KJ, Ray RM, Gao DL, Fitzgibbons ED, Camp J, Astrakianakis G, Seixas N, Wong EY, Li W, **De Roos AJ**, Feng Z, Thomas DB, Checkoway H. Occupational exposures and ovarian cancer in textile workers. *Epidemiology* 2008;19(2):244-50. doi: 10.1097/EDE.0b013e31816339f9
  133. Samanic CM, **De Roos AJ**, Stewart PA, Rajaraman P, Selker RG, Shapiro WR, Fine HA, Loeffler JS, Black PM, Waters MA, Inskip PD. Occupational exposure to pesticides and risk of adult brain tumors. *Am J Epidemiol* 2008;167(8):976-85 doi: 10.1093/aje/kwm401. Epub 2008 Feb 24
  134. \*Searles Nielsen S, Mueller BA, **De Roos AJ**, Checkoway H. Newborn screening archives as a specimen source for epidemiologic studies: feasibility and potential for bias. *Ann Epidemiol* 2008;18(1):58-64. (PMCID: PMC2190083)
  135. Shen M, Cozen W, Huang L, Colt J, **De Roos AJ**, Severson RK, Cerhan JR, Bernstein L, Morton LM, Pickle L, Ward MH. Census and geographic differences between respondents and

- nonrespondents in a case-control study of non-Hodgkin lymphoma. *Am J Epidemiol* 2008;167(3):350-61 Epub 2007 Nov 6
136. \*Gold LS, Ward MH, Dosemeci M, **De Roos AJ**. Systemic autoimmune disease mortality and occupational exposures. *Arthritis Rheum* 2007;56(10):3189-201
  137. **De Roos AJ**, Deeg HJ, Davis S. A population-based study of survival in patients with secondary myelodysplastic syndromes (MDS): impact of type and treatment of previous cancers. *Cancer Causes Control* 2007;18(10):1199-208
  138. \*Carlsten C, **De Roos AJ**, Kaufman JD, Checkoway H, Wener M, Seixas N. Cell markers, cytokines, and immune parameters in cement mason apprentices. *Arthritis Rheum* 2007;51(1):147-53
  139. **De Roos AJ**, Gold LS, Wang S, Hartge P, Cerhan J, Cozen W, Yeager M, Chanock S, Severson R, Rothman N. Metabolic gene variants and risk of non-Hodgkin lymphoma. *Cancer Epidemiol Biomarker Prev* 2006;15(9):1647-53
  140. \*Wernli KJ, Ray RM, Gao DL, **De Roos AJ**, Thomas DB, Checkoway H. Reproductive risk factors and endometrial cancer. *Cancer Causes Control* 2006;17(7):949-55
  141. \*Gold L, **De Roos AJ**, Ray R, Wernli K, Fitzgibbons ED, Gao DL, Astrakianakis G, Thomas DB, Checkoway H. Brain cancer and occupational exposures in a cohort of female textile workers in Shanghai, China. *Scand J Work Environ Health* 2006;32(3):178-84
  142. **De Roos AJ**, Rothman N, Brown M, Bell DA, Pittman GS, Shapiro WR, Selker RG, Fine HA, Black PM, Inskip PD. Variation in genes relevant to aromatic hydrocarbon metabolism and the risk of adult brain tumors. *Neuro-Oncol* 2006;8(2):145-55. Epub 2006 Jan 27. (PMCID: PMC1871937)
  143. Lee WJ, Purdue M, Stewart P, Schenk M, **De Roos AJ**, Cerhan J, Severson RK, Cozen W, Hartge P, Blair A. Occupational exposure to pesticides, asthma history, and the risk of non-Hodgkin lymphoma. *Int J Cancer* 2006;118(12):3174-6. (PMCID: PMC1578637)
  144. **De Roos AJ**, Hartge P, Lubin J, Colt JS, Davis S, Cerhan JR, Patterson DG, Jr., Severson R, Rothman N. Persistent organochlorine chemicals in plasma and the risk of non-Hodgkin's lymphoma. *Cancer Res* 2005;65(23):11214-26
  145. **De Roos AJ**, Cooper GS, Alavanja MC, Sandler DP. Rheumatoid arthritis among women in the Agricultural Health Study: Risk associated with farming activities and exposures. *Ann Epidemiol* 2005;15(10):762-70
  146. **De Roos AJ**, Ray R, Gao DL, Wernli K, Fitzgibbons ED, Feng Z, Thomas DB, Checkoway H. Colorectal cancer incidence among female textile workers in Shanghai, China: a case-cohort analysis of occupational exposures. *Cancer Causes Control* 2005;16(10):1177-88
  147. \*Svec MA, Ward MH, Dosemeci M, Checkoway H, **De Roos AJ**. Risk of lymphatic or hematopoietic cancer mortality with occupational exposure to animals or the public. *Occup Environ Med* 2005;62(10):726-35. (PMCID: PMC1740863)
  148. Fesinmeyer MD, Austin MA, Li CI, **De Roos AJ**, Bowen DJ. Differences in survival by histologic type of pancreatic cancer. *Cancer Epidemiol Biomarkers Prev* 2005;14(7):1766-1773
  149. \*Searles Nielsen S, Mueller BA, **De Roos AJ**, Viernes HA, Farin FM, Checkoway H. Risk of brain tumors in children and susceptibility to organophosphorus insecticides: The potential role of paraoxanase (PON1). *Environ Health Perspect* 2005;113(7):909-13. (PMCID: PMC1257655)
  150. Vermeulen R, **De Roos AJ**, Bakke B, Hildesheim A, Pinto L, Gillette PP, Lynch CF, Allen RH, Alavanja MC. A study on immunological responses to exposures encountered in corn farming (Extended abstract). *J Biochem Mol Toxicol* 2005;19(3):172
  151. Kirrane EF, Hoppin JA, Kamel F, Umbach DM, Boyes WK, **De Roos AJ**, Alavanja M, Sandler DP. Retinal degeneration and other eye disorders in wives of farmer pesticide applicators enrolled in the Agricultural Health Study. *Am J Epidemiol* 2005;161:1020-1029
  152. \*Trivers K, **De Roos AJ**, Gammon MD, Vaughan TL, Risch HA, Olshan AF, Schoenberg JB, Mayne ST, Dubrow R, Stanford JL, Abrahamson P, Rotterdam H, West AB, Fraumeni JF Jr., Chow WH. Demographic and lifestyle predictors of survival in patients with esophageal or gastric cancers. *Clin Gastroenterol Hepatol* 2005(3):225-230

153. **De Roos AJ**, Blair A, Rusiecki J, Hoppin JA, Svec M, Dosemeci M, Sandler D, Alavanja MC. Cancer incidence among glyphosate-exposed pesticide applicators in the Agricultural Health Study cohort. *Environ Health Perspect* 2005(1);113:49-54. (PMCID: PMC1253709).
154. Jordan JM, **De Roos AJ**, Renner JB, Luta G, Cohen A, Craft N, Helmick CG, Hochberg MC, Arab L. A case-control study of serum tocopherols and the alpha- to gamma-tocopherol ratio in radiographic knee osteoarthritis: the Johnston County Osteoarthritis Project. *Am J Epidemiol* 2004;159(10):968-77.
155. Rajaraman P, **De Roos AJ**, Stewart PA, Linet MS, Fine HA, Shapiro WR, Selker RG, Black PM, Inskip PD. Occupation and risk of meningioma and acoustic neuroma in the United States. *Am J Ind Med* 2004;45(5):395-407.
156. Rusiecki J, **De Roos A**, Lee WJ, Dosemeci M, Lubin J, Hoppin JA, Blair A, Alavanja MC. Cancer incidence among pesticide applicators exposed to atrazine in the Agricultural Health Study. *J Natl Cancer Inst* 2004;96(18):1375-82.
157. **De Roos AJ**, Ward MH, Cantor KP, Lynch C. Nitrate in public water supplies and the risk of colon and rectum cancers. *Epidemiology* 2003(6);14:640-9.
158. **De Roos AJ**, Zahm SH, Cantor KP, Weisenburger DD, Holmes FF, Burmeister LF, Blair A. Integrative assessment of multiple pesticides as risk factors for non-Hodgkin's lymphoma among men. *Occup Environ Med* 2003;60(9):E11. (PMCID: PMC1740618)
159. **De Roos AJ**, Stewart PA, Linet MS, Heineman EF, Dosemeci M, Wiklcosky T, Shapiro WR, Selker RG, Fine HA, Black PM, Inskip PD. Occupation and adult glioma in the United States. *Cancer Causes Control* 2003;14(2):139-50.
160. **De Roos AJ**, Rothman N, Inskip PD, Linet MS, Shapiro WR, Selker RG, Fine HA, Black PM, Pittman G, Bell D. Genetic polymorphisms in GSTM1, -P1, -T1 and CYP2E1 and the risk of adult brain tumors. *Cancer Epidemiol Biomarkers Prev* 2003;12(1):14-22.
161. Travier N, Gridley G, **De Roos AJ**, Plato N, Moradi T, Boffetta P. Cancer incidence in female and male dry cleaning, laundry or ironing workers: a record-linkage study in Sweden. *Scand J Work Environ Health* 2002;28(5):341-8.
162. Teschke K, Olshan AF, Daniels JL, **De Roos AJ**, Parks CG, Schulz M, Vaughan TL. Occupational exposure assessment in case-control studies: opportunities for improvement. *Occup Environ Med* 2002;59(9):575-94. (PMCID: PMC1740358)
163. **De Roos AJ**, Kohlmeier L, Luta G, Craft N, Renner J, Jordan JM. Serum carotenoids and radiographic knee osteoarthritis: the Johnston County Osteoarthritis Project. *Public Health Nutr* 2001;4(5):935-42.
164. **De Roos AJ**, Teschke K, Savitz D, Poole C, Castleberry BH, Grufferman S, Olshan AF. Parental occupational exposures to electromagnetic fields and radiation and the incidence of neuroblastoma in offspring. *Epidemiology* 2001;12(5):508-17.
165. **De Roos AJ**, Olshan AF, Teschke K, Poole C, Savitz D, Blatt J, Castleberry B, Bonde M. Parental occupational exposures to chemicals and the incidence of neuroblastoma in offspring. *Am J Epidemiol* 2001;154(2):106-14.
166. **De Roos AJ**, Poole C, Teschke K, Olshan AF. An application of hierarchical regression in the investigation of multiple paternal occupational exposures and neuroblastoma in offspring. *Am J Ind Med* 2001;39(5):477-86.
167. **De Roos AJ**, Callahan LF. Differences by sex in correlates of work status in rheumatoid arthritis patients. *Arthritis Care Res* 1999;12(6):381-91.
168. Olshan AF, **De Roos AJ**, Teschke K, Neglia JP, Stram DO, Pollock BP, Castleberry RP. Neuroblastoma and parental occupation. *Cancer Causes Control* 1999;10(6):539-49.

## Letters and Commentary

1. Schinasi LH, **De Roos AJ**. Invited Perspective: Important New Evidence for Glyphosate Hazard Assessment. *Environ Health Perspect*. 2023 Dec;131(12):121305. doi: 10.1289/EHP14256. Epub 2023 Dec 6. PMID: 38055049; PMCID: PMC10699408.
2. Setty K, Bartram J, **De Roos AJ**, Beaudreau P. Letter to the editor regarding Muoio et al, "Water safety plans and risk assessment: A novel procedure applied to treated water turbidity and gastrointestinal diseases." *Int J Hyg Environ Health*. 2020 Aug;229:113435. doi: 10.1016/j.ijheh.2019.113435. Epub 2019 Dec 25. PMID: 31882293.
3. Burstyn I, **De Roos AJ**. Visualizing the Heterogeneity of Effects in the Analysis of Associations of Multiple Myeloma with Glyphosate Use. Comments on T Sorahan, "Multiple Myeloma and Glyphosate Use: A Re-Analysis of US Agricultural Health Study (AHS) Data." *Int J Environ Res Public Health* 2016 Dec 22;14(1):5. doi: 10.3390/ijerph14010005. PMID: 28025514; PMCID: PMC5295256.
4. Parks CG, Hoppin JA, **De Roos AJ**, Costenbader KH, Sandler DP. Response to "Comment on 'Rheumatoid Arthritis in Agricultural Health Study Spouses: Associations with Pesticides and Other Farm Exposures'". *Environ Health Perspect*. 2016 Nov 1;124(11):A197. doi: 10.1289/EHP944. PMID: 27801650; PMCID: PMC5089892.
5. Portier CJ, Armstrong BK, Baguley BC...**De Roos AJ** (26/94)...Zeeb H, Zhou SF. Differences in the carcinogenic evaluation of glyphosate between the International Agency for Research on Cancer (IARC) and the European Food Safety Authority (EFSA). *J Epidemiol Community Health*. 2016 Aug;70(8):741-5. doi: 10.1136/jech-2015-207005. Epub 2016 Mar 3. PMID: 26941213; PMCID: PMC4975799.
6. **De Roos AJ**, Blair A, Rusiecki JA, Hoppin JA, Svec MA, Dosemeci M, Sandler DP, Alavanja MC. Glyphosate results revisited: De Roos et al. respond. *Environ Health Perspect* 2005 Jun;113(6):A366-7. doi: 10.1289/ehp.113-1257613. PMID: 15929876; PMCID: PMC1257613.
7. **De Roos AJ** and Ward MH. De Roos AJ, Ward MH. Drinking water and cancer. *Epidemiology*. 2004 May;15(3):378-80. doi: 10.1097/01.ede.0000122631.63762.b2. PMID: 15097029.

## Book Chapters

1. **De Roos AJ**. "Noise Pollution". *World Book Encyclopedia*. 2019.
2. **De Roos AJ** and Bhatti P. Hematolymphoid Malignancies. In: *Occupational Cancer*. Eds. Antilla S, Boffetta P, Straif K, Springer, London, UK, 2014.
3. **De Roos AJ**. Epidemiology and Etiology. In: *Myelodysplastic Syndromes*, 2<sup>nd</sup> edition. Ed. Deeg HJ, Bowen DT, Gore SD, Haferlach T, LeBeau MM, Niemeyer C. Springer, London, UK, 2013.
4. \*Hofmann JN, Keifer MC, Checkoway H, **De Roos AJ**, Farin FM, Fenske RA, Richter RJ, van Belle G, Furlong CE. Biomarkers of sensitivity and exposure in Washington State pesticide handlers. In: Reddy ST, ed., *Paraoxonases in Inflammation, Infection and Toxicology*. *Advances in Experimental Medicine and Biology*, 2010;660:19-27.
5. **De Roos AJ**, Baris D, Weiss N, Herrinton L. Multiple Myeloma. In: *Cancer Epidemiology and Prevention*, 3<sup>rd</sup> edition. Eds. Schottenfeld D, Fraumeni JF, Jr., Oxford University Press, Inc., New York, NY, 2006.
6. Checkoway H, Bhatti P, **De Roos AJ**. Epidemiologic Approaches. In: *Gene-Environment Interactions: Fundamentals of Ecogenetics*. Eds. Costa LG and Eaton DL, John Wiley & Sons, Hoboken, NJ, 2006.
7. **De Roos AJ**, Smith M, Chanock S, Rothman N. Toxicological considerations in the application and interpretation of susceptibility biomarkers in epidemiologic studies. *IARC Sci Publ* 2004;157:105-25.
8. **De Roos AJ**, Baris D, Weiss N, Herrinton L. Epidemiology of Multiple Myeloma. In: *Multiple Myeloma*, Eds. Malpas JS, Bergsagel DE, Kyle RA, Anderson DC, Elsevier, Inc., USA, 2004.

**Non-Refereed Publications**

1. **De Roos AJ**, Haas CN, Kahn DA. Human Health and Safety Risks from Recreating in and on the Waterways of the Delaware River Watershed. Prepared for the William Penn Foundation, 2022
2. Auchincloss A, Escoto K, **De Roos AJ**. Statement on the health effects of refineries and implications for the South Philadelphia refinery. Letter to the City of Philadelphia Refinery Advisory Group, 28 October 2019
3. Pearsall H, **De Roos AJ**, Dickinson S, Gurian PL, Kato Y, Kondo M, Lewis A. The Benefits and Costs of Urban Public Spaces. William Penn Foundation, February 2020. Available: <https://williampennfoundation.org/what-we-are-learning/benefits-and-costs-urban-public-spaces>
4. **De Roos AJ**, Gurian P, Robinson L, Zakeri I, Kondo MC. Turbidity of Drinking Water Supplies and Risk of Gastrointestinal Illness. Water Research Foundation 2016. Web Report #4589.
5. Pease WS, Albright D, **De Roos AJ**, Gottsman L, Kyle AD, Morello-Frosch R, Robinson JC. Pesticide Contamination of Groundwater in California. California Policy Seminar, University of California, 1995.

**RESEARCH FUNDING**

---

**Current Projects**

<b>Title (Dates)</b>	<b>Role (% Effort)</b>	<b>Funding agency / Mechanism</b>	<b>Total award amount</b>
Investigation of Neighborhood Greenspace as Protection Against Development of Childhood Asthma (1Feb2022-31Jan2024)	Principal Investigator (30%)	NIEHS/ R21 (1R21ES032963)	\$433,058
The housing environment and ambient temperature (HEAT) study (1Apr2023-31Mar2028)	Co-Investigator (PI: Schinasi) (10%)	NHLBI / R01 (R01HL164726)	\$2,638,623
Insecticide exposures in suburban families who use professional mosquito control services (1Dec2023-30Nov2024)	Principal Investigator (7% FTE)	Philadelphia Regional Center for Children’s Environmental Health (PRCCEH)	\$25,000

**Under Review/Pending**

<b>Title (Dates)</b>	<b>Role</b>	<b>Funding agency / Mechanism</b>	<b>Total award amount</b>
Extreme Weather Impacts on Children's Acute and Chronic Health Outcomes: A Multi-Site Study with Evaluation of Vulnerabilities (1Apr2024-31Mar2029)	Principal Investigator (35%)	NIH / R01	\$3,928,821
Pending: Scored 9 <sup>th</sup> percentile			



**Past Funding**

<b>Title (Dates)</b>	<b>Role</b>	<b>Funding agency / Mechanism</b>	<b>Total award amount</b>
The housing environment and ambient temperature (HEAT) study (19Sep2022-31Aug2023)	Co-Investigator (PI: Schinasi) (10%)	NHLBI / R56 (R56HL164726)	\$438,118
Human Health and Safety Risks from Recreating in and on the Waterways of the Delaware River Watershed (18Apr2022-30Jun2022)	Principal Investigator	William Penn Foundation / Contract	\$15,991
Pediatric Big Data Health Project (1Nov2016-31Dec2019)	Co-Investigator (PI: Forrest, CHOP)	Pennsylvania Department of Health (9282640000)	\$1,221,165 (Drexel subaward)
Precipitation Events, Water Quality, and Risk of Gastrointestinal Illness in Philadelphia (1Apr2016-30Mar2019)	Principal Investigator	Drexel Watershed Consortium / Academy of Natural Sciences	\$60,000
Synthesis of the Benefits and Costs of Urban Public Spaces (15Oct2018-13Dec2019)	PI of subaward (PI: Pearsall, Temple University)	William Penn Foundation / Subaward from Temple University (440121-6904)	\$211,000 (\$83,481 Drexel subaward)
Occupational Pesticide Use and Risk of Lymphoid Cancers (15Aug2015-31Jul2017)	Principal Investigator	NCI / R03 (R03CA199515)	\$156,500
An investigation of associations between heat and infant mortality, and effect modification by greenness and socioeconomic and demographic characteristics in Philadelphia, Pennsylvania (Apr2016-Feb2017)	Co-Investigator (PI: Schinasi)	Drexel Urban Health Collaborative	\$29,997
Multiple Myeloma Consortium Study of Occupational Exposures and Family History (16Apr2013-31Mar2015)	Principal Investigator	NIEHS / R21 (5R21ES021592)	\$422,944
Evaluation of Scientific Literature on Turbidity Associated with the Risk of Gastrointestinal (GI) Illness (1Jan2015-31Dec2015)	Principal Investigator	Water Research Foundation (4589)	\$130,000
Identifying Genotypes that Predict Risk of Multiple Myeloma: a Collaborative Multi-Ethnic Case-Control Study (1Sep2011-31Aug2013)	PI of subaward (PI: Cozen, USC)	NCI / SPORE (5P50CA100707)	\$54,952 (FHCRC subaward)
Role of Air Pollution in Rheumatoid Arthritis Incidence and Exacerbation (1Jun2010-31May2013)	Principal Investigator	NIAMS / R03 (1R03AR056818)	\$100,000
Bisphenol A Levels and Endometriosis Risk in Reproductive-Age Women (1Apr2011-31Mar2013)	Co-Investigator (PI: Holt)	NIEHS/ R03 (1R03ES019976)	\$100,000

Markers of B-Cell Stimulation as Potential Predictors of Non-Hodgkin Lymphoma (15Jan2009—14Jun2011)	Principal Investigator	NHLBI / BAA (HHSN 268200900008C)	\$728,796
Energy Balance, Organochlorine Exposure, and Possible Toxicologic Effects (9Aug2007-30Jun2010)	Principal Investigator	NIEHS / R03 (R03ES015787)	\$100,000
Infant Exposure to Plasticizers as Potential Contributors to Autism Spectrum Disorders (1Apr2008-31Mar2010)	Co-Investigator (PI: Sathyanarayana)	Center for Ecogenetics and Environmental Health, UW / Pilot Project Program	\$62,000
Occupational Risk Factors for NHL and NHL Subtypes: an InterLymph-Based Analysis (5May2007-4May2009)	Co-Investigator (PI: 't Mannetje)	NCI / R03 (R03CA125831)	\$100,000
Descriptive Epidemiology and Clinical Course of Myelodysplastic Syndromes (MDS) in a Health Maintenance Organization (11Dec2006-31Dec2009)	Principal Investigator	Amgen, Inc. / Global Epidemiology Division (655730 K3)	\$257,768
Industrial Pollutants and Risk of Non-Hodgkin Lymphoma (1Sep2005-31May2009)	Principal Investigator	NCI / R03 (R03CA115183)	\$100,000
Immunotoxicology of Persistent Organochlorine Pollutant Exposure from Weight Loss (1Dec2006-31Dec/2008)	Principal Investigator	FHCRC / Hartwell Innovation Award	\$50,000
Genetic Polymorphisms as Modifiers of the Effects of Dietary PCB and Trans Fat Exposure on the Risk of Endometriosis (1Dec2007-30Nov2008)	Principal Investigator	University of Washington / Royalty Research Fund	\$27,336
Energy Balance, Polychlorinated Biphenyl (PCB) Exposure and Possible Toxicologic Effects (1Dec2006-31Aug2008)	Principal Investigator	NCI / TREC Pilot Project	\$25,000
Paraoxonase and Cholinesterase among Washington State Farmworkers (1Apr2006-31Mar2007)	Principal Investigator	Center for Ecogenetics and Environmental Health, UW / Pilot Project Program	\$25,000
Descriptive Epidemiology of Myelodysplastic Syndromes and Potential Space-Time Clustering in Incidence (30Sep2005-31Aug2008)	Principal Investigator	NCI / SEER Rapid Response Surveillance Study (NO1-PC-55020-20)	\$69,114
Assessment of the Accuracy of Geocoded Cancer Registry Data in the Seattle-Puget Sound Region (30Sep2004-1Oct2006)	Co-Investigator (PI: Mueller)	NCI / SEER Rapid Response Surveillance Study (NO1-PC-45011-20)	\$105,817
Industrial Pollution and Risk of Non-Hodgkin's Lymphoma (1Sep2004-31Aug2005)	Collaborator (PI: Ward), PI of contract	NCI / Contract	\$24,900

Study of Immune Effects in Corn Farmers (2002)	Co-Principal Investigator (PI: Alavanja)	NCI / Molecular Epidemiology Committee (competitive intramural funding mechanism)	\$75,000
Nested Case-Control Study of Immunological Biomarkers as Predictors of Non-Hodgkin's Lymphoma (2001)	Principal Investigator	NCI / Intramural Research Award (competitive intramural funding mechanism)	\$100,000
Antioxidants in Serum and the Risk of Osteoarthritis (1997)	Principal Investigator	Institute on Aging, UNC / Exploratory Project Award	\$3,000
Predictors of Work Disability in Rheumatoid Arthritis (1997-1999)	Principal Investigator	The Arthritis Foundation / Doctoral Dissertation Award	\$20,000

## **TEACHING**

---

### **Formal Courses**

Intermediate Epidemiology, EPI 560 (3 credit hours)

Drexel University, Dornsife School of Public Health

Role: Primary Instructor of online course, required for Epidemiology MPH majors (100% responsibility)

Dates (number of students): Fall 2021 (19), Fall 2022 (11), Fall 2023 (14 enrolled)

Quantitative Risk Analysis for Environmental Health, EOH 665 (3 credit hours)

Drexel University, Dornsife School of Public Health

Role: Primary Instructor of required course for EOH MPH students (100% responsibility)

Dates (number of students): Fall 2019 (5), Fall 2020 (4), Winter 2022 (5), Winter 2023 (5)

Evidence Evaluation for Identification of Environmental Hazards, EOH 605 (3 credit hours)

Drexel University, Dornsife School of Public Health

Role: Primary Instructor of required course for EOH PhD students (100% responsibility)

Dates (number of students): Spring 2019 (5), Spring 2021 (8), Spring 2022 (3), Spring 2023 (3)

Applied Environmental Health Risk Assessment, EOH 695 (3 credit hours)

Drexel University, Dornsife School of Public Health

Role: Course Director of required course for students with graduate minor in Human Health Risk Assessment (100% responsibility)

Dates (number of students): Fall 2022 (1)

Nature Prescription: Trees, Green Space and Your Health, PBHL 319 (3 credit hours)

Drexel University, Dornsife School of Public Health

Role: Primary Instructor of undergraduate elective course (100% responsibility)

Dates (number of students): Spring 2019 (11), Spring 2021 (16), Spring 2023 (28)

Principles and Practice of Environmental and Occupational Health, EOH 510 (3 credit hours)  
Drexel University, Dornsife School of Public Health  
Role: Primary Instructor of required course for EOH MPH students (100% responsibility)  
Dates (number of students): Fall 2017 (8), Fall 2018 (18), Fall 2019 (13)

Environmental Health Risk and Impact Assessment, EOH 630 (3 credit hours)  
Drexel University, Dornsife School of Public Health  
Role: Primary Instructor of required course for EOH MPH students (100% responsibility)  
Dates (number of students): Winter 2019 (17)

Risk Analysis for Environmental Health, PBHL 665 (3 credit hours)  
Drexel University, Dornsife School of Public Health  
Role: Primary Instructor of required course for EOH MPH students (100% responsibility)  
Dates (number of students): Spring 2014 (25), 2015 (17), 2016 (14), 2017 (13), 2018 (1)

Introduction to Environmental and Occupational Health, PBHL 640 (4 credit hours)  
Drexel University, Dornsife School of Public Health  
Role: Course Director of required course for all MPH students (100% responsibility)  
Dates (number of students): Winter 2015 (120), 2016 (111), 2017 (106)

Advanced Epidemiologic Methods, EPI 515 (4 credit hours)  
University of Washington, Departments of Epidemiology and Biostatistics  
Role: Co-Instructor of required course for Epidemiology PhD students (50% responsibility)  
Dates (number of students): Fall 2008 (9), Spring 2010 (15), 2011 (27), 2012 (25)

Cancer Epidemiology, EPI 524 (3 credit hours)  
University of Washington, Department of Epidemiology  
Role: Co-Instructor of elective course (50% responsibility)  
Number of students: ~15-20  
Dates: Winter 2004; Spring 2005, Winter 2006, 2007

Occupational and Environmental Epidemiology, EPI 570 (3 credit hours)  
University of Washington, Department of Epidemiology/DEOHS  
Role: Co-Instructor of elective course (50% responsibility)  
Dates (number of students): Spring 2006 (25)

Public Health Issues in the Media, EPI 101 (5 credit hours)  
University of Washington, Department of Epidemiology  
Role: Creator and Primary Instructor for a Discovery Seminar course taught as part of the Early Fall Start program for freshmen (100% responsibility)  
Number of students: 12  
Dates: Early Fall Start program 2004

Special Topics in Epidemiologic Methods, EPI 515 (3 credit hours)  
University of Washington, Departments of Epidemiology and Biostatistics  
Role: Co-Instructor of elective course (50% responsibility)  
Number of students: 15  
Dates: Fall 2003

SAS Programming and Data Management (4 credit hours)  
University of North Carolina, Department of Epidemiology  
Role: Primary Instructor for required course (100% responsibility)  
Number of students: ~30 each year  
Dates: Fall 1997, 1998, 1999

### **Short Courses**

Hierarchical Regression for Epidemiologic Studies  
Agency for Toxic Substances and Disease Registry (ATSDR), Atlanta, GA  
Role: Primary Instructor for 2-day course (16 hours total), including lecturing and computer assignments using SAS (90% responsibility)  
Number of students: ~25  
Dates: July 28-29, 2003

Cancer Epidemiology  
Epidemiologic Research and Information Center (ERIC), Seattle, WA  
Role: Primary Instructor for 4-day course (10 hours total), including lecturing and facilitating group discussions (100% responsibility)  
Number of students: 15  
Dates: June 23-26, 2003

SAS Programming and Data Management  
Epidemiology Research Institute Summer Program, Norwood, MA  
Role: Primary Instructor for 5-day course (15 hours total). Designed the course, developed the course materials and lab assignments, lectured and led computer lab assignments (100% responsibility)  
Number of students: 7  
Dates: July 2000

### **Guest Lectures**

“Climate-Change Related Waterborne Illness”. Public Health Impacts of Global Climate Change (EOH 657); Course Director: Jerry Fagliano. Department of Environmental and Occupational Health, Drexel University Dornsife School of Public Health, May 2016, May 2017, May 2018, February 2019, February 2022, February 2023

“Risk Assessment”. Principles and Practice of Environmental and Occupational Health (EOH 510); Course Director: Tran Huynh. Dornsife School of Public Health, Drexel University, October 2020, November 2021, November 2022

“Risk Assessment”. Environmental and Occupational Health (PBHL 314); Course Director: Sherry Brandt-Rauf. Dornsife School of Public Health, Drexel University, October 2018, October 2020, September 2021, September 2022

“Risk Assessment”. Environmental and Occupational Health (PBHL 314); Course Director: Leah Schinasi. Dornsife School of Public Health, Drexel University, May 2019

“Air Pollution and Public Health”. Introduction to Public Health for MD/MPH students (PBHL 503 S21 [semester] and PBHL T580 008 [quarter]); Course Director: Theodore Corbin. Drexel School of Medicine, March 2017

“Air Pollution”. Global Health (PBHL 560); Course Director: Esther Chernak. Department of Environmental and Occupational Health, Drexel University School of Public Health, May 2015

“Environmental Epidemiology”. Environmental and Occupational Health (PBHL 640); Course Director: Hernando Perez. Department of Environmental and Occupational Health, Drexel University School of Public Health, February 2014

“Environmental Epidemiology”. MD/MPH Course in Environmental and Occupational Health (PBHL 640); Course Director: Arthur Frank. Department of Environmental and Occupational Health, Drexel University School of Public Health. Summer 2013

“Lymphomas”. Cancer Epidemiology (EPI 524); Course Director: Christopher Li. Department of Epidemiology, University of Washington, Spring 2008, 2009, 2010, 2011, 2012

“Propensity Score Methods”. Epidemiologic Methods II (EPI 513); Course Director: Beth Mueller. Department of Epidemiology, University of Washington, January 2010

“Environmental Risk Factors for Cancer”. Environmental Risk and Society (ENVH 472). Department of Occupational and Environmental Health Sciences, University of Washington, April 2008

“Risk Factors for Cancer”. Cancer Prevention and Control (HSERV 575). Department of Health Services, University of Washington, January 2005

“Semi-Bayes Hierarchical Regression Analysis Using SAS Proc GLIMMIX”. Bayesian Analysis course. Department of Epidemiology, University of North Carolina, November 2001

“Genetic Susceptibility to Occupational and Environmental Exposures”. Occupational and Environmental Epidemiology (EPI/ENVH 570). Departments of Epidemiology/ Environmental and Occupational Health Sciences, University of Washington, May 2003, 2004, 2005

“Hierarchical Regression”. Advanced Epidemiologic Methods course. Epidemiologic Research and Information Center (ERIC), Seattle, WA, June 2004

“Drinking Water Epidemiology”. Occupational and Environmental Epidemiology (EPI/ENVH 570). Departments of Epidemiology/ Environmental and Occupational Health Sciences, University of Washington, April 2004

“Using Susceptibility Markers in Epidemiologic Studies”. Occupational and Environmental Epidemiology (EPI/ENVH 570). Departments of Epidemiology/ Environmental and Occupational Health Sciences, University of Washington, May 2004

## **TRAINEES**

---

### **Doctoral Dissertations, Committee Chair**

- Amber Palmer-McCabe, doctoral student (EOH, Drexel University). Dissertation: TBD
- Jessie Gleason, doctoral student (EOH, Drexel University). Dissertation: Heavy Rainfall and Flooding Impacts on Acute Gastrointestinal and Respiratory Illnesses in New Jersey

- Yun Ting Yen, PhD candidate (EOH, 2023, Drexel University). Dissertation: Examining the Relationship Between Residential Greenspace and Pediatric Asthma Exacerbation through Exposure-Response, Effect Modification, Mediation, and Spatial Variation
- Wanyu Huang, PhD (Epidemiology, 2023, Drexel University). Dissertation: Combinations of Environmental Risk Factors (Fine Particles, Aeroallergens, Community-Level Respiratory Infections): Their Independent and Joint Effects on Childhood Asthma Exacerbation
- Kevin Psoter, PhD (Epidemiology, 2013, University of Washington). Dissertation: Environmental Predictors of Pseudomonas Acquisition in Cystic Fibrosis Patients.
- Laura Gold, PhD (Epidemiology, 2009, University of Washington). Dissertation: Occupational Risk Factors for Multiple Myeloma.
- Lori Williams, PhD (Epidemiology, 2008, University of Washington). Dissertation: Immune Mechanisms of Air Pollution Health Effects.
- Todd Jusko, PhD (Epidemiology, 2008, University of Washington). Dissertation: Immune Effects of Polychlorinated Biphenyls.

### **Doctoral Dissertations, Committee Member**

- Janelle Edwards, PhD student (Environmental and Occupational Health, Drexel University). Proposed Dissertation: Do Measures of Historical or Present-Day Structural Racism Modify Associations of Extreme Weather Events with Childhood Asthma Morbidity in Philadelphia, PA? (Committee Chair: Leah Schinasi)
- Md Rasheduzzaman, PhD (Environmental Engineering, 2021, Drexel University). Dissertation: Managing Water Quality in Premise Plumbing: Application of Systematic Review, Meta-Analysis, and the Delphi Method for Decision Making. (Committee Chair: Patrick Gurian)
- Aimee Palumbo, PhD (Epidemiology, 2016, Drexel University). Dissertation: Women's Occupational Patterns and Later-Life Physical Functioning (Committee Chair: Yvonne Michael)
- Noura Abu Al Faraj, PhD (Environmental Engineering, 2016, Drexel University). Dissertation: Compliance Violations for Unconventional Natural Gas Wells in Pennsylvania. (Chair: Mira Olsen)
- Neena George, PhD (Epidemiology, 2015, Drexel University). Dissertation: The Burden of Infection-Associated and Common Cancers among South Asians and Other Asian Subgroups in The United States, 1999-2009. (Committee Chair: Alison Evans)
- Kristen Upson, PhD (Epidemiology, 2013, University of Washington). Dissertation: Organochlorine Pesticides, Phthalate Metabolites, and Risk of Endometriosis. Department of Epidemiology, University of Washington School of Public Health (Committee Chair: Victoria Holt)
- Albert Kim, PhD (Statistics, 2011, University of Washington). Dissertation: Spatiotemporal Clustering of Cancer Cases in the Puget Sound Region of Washington State. (Committee Chair: Jon Wakefield)
- Britton Trabert, PhD (Epidemiology, 2009, University of Washington). Dissertation: Polychlorinated Biphenyls, Genetic Susceptibility, and Risk of Endometriosis. (Committee Chair: Victoria Holt)
- Jonathan Hofmann, PhD (Epidemiology, 2008, University of Washington). Dissertation: Cholinesterase Inhibition in Central Washington Agricultural Workers Exposed to Pesticides. (Committee Chair: Harvey Checkoway)
- Eva Wong, PhD (Epidemiology, 2007, University of Washington). Dissertation: Miscarriage in Shanghai Textile Worker Women. (Committee Chair: Harvey Checkoway)
- Karen Wernli, PhD (Epidemiology, 2006, University of Washington). Dissertation: Endometrial and Ovarian Cancer in Relation to Textile Industry Exposures. (Committee Chair: Harvey Checkoway)
- Susan Nielsen, PhD (Epidemiology, 2004, University of Washington). Dissertation: Pesticide Exposure, PON, and Risk of Childhood Brain Tumors. (Committee Chair: Beth Mueller)

### **Medical Student Research/Capstone Projects, Drexel University School of Medicine**

- Sarah Ingram (2021 to present) Women's occupational stress and risk of breast cancer. Recipient of Drexel University College of Medicine's Medical Student Summer Research Fellowship, 2022.

- Sarah Waszyn (2021 to present) Workplace physical activity and risk of breast cancer in postmenopausal women
- Nikita Dahake (2021 to present) Occupational history and risk of lung cancer in non-smoking and smoking U.S. women

### **Master's Thesis/Capstone Projects**

#### **Drexel University Dornsife School of Public Health**

- Gaby Dashler, MPH (Urban Health, ongoing)
- Afton Shavers, MPH (Urban Health, ongoing)
- Sarah Myers, MPH (EOH, 2023). Reducing Health Inequalities of Low-Income Immigrant Workers through Better Social Policies: Perspectives of Nail Salon Workers
- Whitney Roach, MPH (Urban Health, 2023). Community Civic Engagement Program at Vot-ER
- Elisha Enos, MPH (Urban Health, 2022). New HIV Testing Technologies
- Bede Nriagu, MPH (EOH, 2019). Examination of Breast Cancer Risk in Female Teachers
- Haley Schupp, MPH (EOH, 2019). Can Green Spaces Influence Health for Adolescents?
- Nabila Chaudhary, MPH (EOH, 2018). Examining Reasons for Food Waste at the Retail Level in the United States
- Bingqing Zhang, MPH (Biostatistics, 2017). Occupational Exposure to Phenoxyherbicides and Risk of Non-Hodgkin Lymphoma
- Nilanjana Samanta, MPH (EOH, 2017). Do Our Behavioral Health Providers Feel Valued? An Assessment of Burnout, Secondary Traumatic Stress, Compassion Satisfaction and Perception of Workplace among Behavioral Healthcare Disciplines in Philadelphia
- Olakunle Jayeola, MPH (EOH, 2017). Determining The Association between Exposure to Organic Solvents – Benzene and Toluene – and Multiple Myeloma
- Danielle Bartolanzo, MPH (Epidemiology, 2017). Exposure to Triclosan and Prevalence of Overweight and Obesity in NHANES
- Arjita Rai, MPH (EOH, 2016). Assessing the Association Between Heavy Precipitation and Gastrointestinal Illness in Philadelphia. Award recipient for best master's project.
- Xiangyi Duan, MPH (EOH, 2016). Human Health Effects from Exposures to Unconventional Natural Gas Development Activities: A Review of Current Studies and a Spatial Analysis of Environmental Justice
- Michael Maglio, MPH (EOH, 2015). Evaluation of Environmental Tobacco Smoke in an Asthma Remediation Program
- Paul Gentile, MPH (EOH, 2015). Glaucoma and Vision-Related Quality of Life
- Mona Goyal, MPH (Epidemiology, 2015) Occupational Physical Activity and Risk of Coronary Heart Disease in Women
- Anuja Thatte, MPH (EOH, 2014). Quantitative Assessment of Radiation Doses Received by Patients in Both Cardiac Catheterization and Electrophysiology Labs
- Hayley Buffman, MPH (EOH, 2014). Weight of Evidence for Manganism Following Occupational Manganese Exposure in Welders
- Nadria Hibbert, MPH (EOH, 2014). Formaldehyde in Veterinary Labs

#### **University of Washington School of Public Health**

- Rodd Marcum, MPH (Epidemiology, 2012). Occupational Physical Activity in Relation to Obesity in a Nationwide Sample
- Kate Bristow, MS (Epidemiology, 2011). Hormone Replacement Therapy and Risk of Glioma in the Women's Health Initiative
- Yolanda Sanchez, MPH (Environmental Health, 2007). Spatial Patterns of Asthma Hospitalizations in Central Washington State



- Christopher Carlsten, MPH (Environmental Health, 2006). Cell Markers and Cytokines in Cement Masons
- Megan Svec, MPH (Epidemiology, 2004). Risk of Lymphatic or Hematopoietic Cancer Mortality with Occupational Exposure to Animals or the Public
- Swee May Tang, MPH (Epidemiology, 2004). Bladder Cancer Risk in Shanghai Textile Workers

### **Scientist- and Postdoctoral Trainees/Mentees**

- Neha Sunger, PhD. Faculty Mentoring Program Recipient, West Chester University's DREAM program (Developing Research Agendas through Mentoring) (May 2017-April 2018). Served as External Faculty Mentor.
- Leah Schinasi, PhD. Postdoctoral Fellow, Environmental and Occupational Health, Drexel University School of Public Health (September 2014-August 2016). Projects: Pesticides and risk of cancer in the InterLymph Consortium and the Women's Health Initiative cohort; Meta-analysis of modification by greenspace on relationship between heat and mortality.
- June Spector, MD, PhD. Postdoctoral Fellow, Biostatistics, Epidemiologic, and Bioinformatics Training in Environmental Health [BEBTEH] (2010-2012). Project: Cross-sectional and longitudinal immune effects of plasma organochlorines.
- Gregory S. Calip, PharmD. Postdoctoral Fellow, Cancer Prevention Training Program – Nutrition, Exercise, and Genetics (2010-2012). Project: Predictors of MDS diagnosis within a cohort of anemia patients.

## **PROFESSIONAL SERVICE**

---

### **University Service**

Reviewer for UHC Doctoral Fellowship Award, December 2023

Faculty Senator, Drexel University Senate. Drexel University, 2023-present

PhD Program Director, Department of Environmental and Occupational Health, Dornsife School of Public Health, Drexel University, Jul 2023-present

Chair, Curriculum and Assessment Committee. Dornsife School of Public Health, Drexel University, March 2022-present

Chair, Midterm Evaluation Review Committee for Dr. Leah Schinasi. Dornsife School of Public Health, Drexel University, February 2023

Panel Participant. Anatomy of an NIH R Grant. DSPH Office of Research, Dornsife School of Public Health, Drexel University, 8 December 2022

Chair, EOH Department Curriculum Committee for Inclusion, Diversity, Equity, and Antiracism (IDEA), 2020-2021

Curriculum and Assessment Committee (formerly Educational Coordinating Committee) (Committee Chair: Gina Lovasi). Dornsife School of Public Health, Drexel University, September 2019-2022

PhD Degree Program Committee (Committee Chair: Jane Clougherty). Department of Environmental and Occupational Health, Dornsife School of Public Health, Drexel University, June 2020-July 2023

Reviewer for UHC Doctoral Fellowship Award, January-February 2021

Chair's Review Committee for Dr. Jerald Fagliano (Committee Chair: Jane Clougherty), Dean's Office, Dornsife School of Public Health, Drexel University, September-December 2019

Program Assessment Review (PAR) self-study team member for the Department of Environmental and Occupational Health (Committee Chair: Jerry Fagliano). Dornsife School of Public Health, Drexel University, Summer 2019-Fall 2019

Dean's Review Committee for Dr. Ana Diez Roux (Committee Chair: Penny Hammrich), Provost's Office. Drexel University, January-June 2019

Search Committee for Assistant Professor of Epidemiology (Committee Chair: Yvonne Michael), Department of Epidemiology and Biostatistics. Dornsife School of Public Health, Drexel University, September 2018-February 2019

Midterm Evaluation Review Committee for Dr. Shannon Capps (Committee Chair: Michael Waring). Department of Civil, Architectural, & Environmental Engineering, Drexel University, Winter 2019

Faculty Participant. Pre-Orientation, Session on "Urban Greenspace and Health" (Co-Leader with Jana Hirsch). Dornsife School of Public Health, Drexel University with external partner (The Schuylkill Center), September 2018

Co-Chair. Executive Committee of the Faculty (Co-Chair with Augusta Villanueva). Dornsife School of Public Health, Drexel University, September 2016-August 2018

Senate Committee for Academic Affairs (Chair of Undergraduate Subcommittee: Jay Sarver). Drexel University, Spring 2016-Summer 2018

Search Committee for Dornsife Endowed Professor of the Dornsife School of Public Health (Committee Chair: John Rich). Dornsife School of Public Health, Drexel University, Autumn 2016-May 2018

Faculty Participant. Accepted Students Day for the Dornsife School of Public Health. Dornsife School of Public Health, Drexel University, April 2017

Midterm Review Committee for Dr. Nate Snyder of the A.J. Drexel Autism Institute (Committee Chair: Paul Shattuck). Drexel University, Winter 2017

Faculty Mentor. R21 Boot Camp (Director: Craig Newschaffer). Dornsife School of Public Health, Drexel University, July 2016

Search Committee for Assistant or Associate Professor of Environmental and Occupational Health (Committee Chair: Jerry Fagliano). Drexel University School of Public Health, Autumn 2015-Winter 2016

Educational Coordinating Committee (Committee Chair: Darryl Brown). Drexel University School of Public Health, September 2013-August 2016

Delta Omega Awards Committee (Committee Chair: Philip Massey). Drexel University School of Public Health, May 2015-present

Faculty Participant. Accepted Students Day. Drexel University School of Public Health, March 2015

Search Committee for Department Chair of Environmental and Occupational Health (Committee Chair: Seth Welles). Drexel University School of Public Health, Winter-Summer 2015

Chair, Search Committee for Assistant or Associate Professor of Environmental and Occupational Health. Drexel University School of Public Health, Autumn 2014-Spring 2015

Doctoral Program Task Force (Committee Chair: Seth Welles). Drexel University School of Public Health, Summer 2014-Winter 2015

Search Committee for Department Chair of Epidemiology and Biostatistics (Committee Chair: Yvonne Michael). Drexel University School of Public Health, Summer 2014-Winter 2015

Search Committee for Assistant Professor of Environmental and Occupational Health for Urban Health Cluster Hire (Committee Chair: Igor Burstyn). Drexel University School of Public Health, Spring 2014

Institutional Review Board, Committee C (Committee Chair: Mark Thornquist). Fred Hutchinson Cancer Research Center, Summer 2010-Autumn 2012

Promotion Committee for Christopher Carlson (Committee Chair: Ulrike Peters). Cancer Prevention Program, Fred Hutchinson Cancer Research Center, Summer 2010

Search Committee for Biostatistics faculty member (Committee Chair: Charles Kooperberg). Biostatistics and Biomathematics Program, Fred Hutchinson Cancer Research Center, Spring 2009

Search Committee for Assistant Professor in Environmental Epidemiology (Committee Chair: Jay Kaufman). Department of Epidemiology, University of Washington, 2007

Strategic Planning Committee (Committee Chair: Scott Davis). Department of Epidemiology, University of Washington, 2005-2007

Meeting Participant, Directors of the NIEHS NRSA Training Programs Meeting. National Institute for Environmental Health Sciences, Research Triangle Park, NC, December 2004

Graduate Student Representative. Doctoral Supervisory Committee for Brooke Deatherage, Department of Microbiology. University of Washington, 2003-2004

Faculty Representative, Welcome to Washington Dinner. Hosted in Spokane, WA, June 2004

### **External Professional Service**

#### **Editorial Board**

Associate Editor, Environmental Health Perspectives, 2016-2019

Editorial Review Board Member, Environmental Health Perspectives, 2009-2016

## **Journal Review**

American Journal of Epidemiology (2004, 2006, 2007, 2008, 2010, 2011, 2012, 2014, 2017, 2020, 2022); American Journal of Industrial Medicine; Annals of Occupational Hygiene; Arthritis & Rheumatism (2011); Cancer; Cancer Causes and Control (2020, 2023); Cancer Epidemiology, Biomarkers, and Prevention (2011); Cancer Research (2011); Environmental Health (2016); Environmental Health Perspectives (2001-2022); Environment International (2020); Environmental Research; Epidemiology; European Journal of Cancer; International Journal of Cancer; International Journal of Environmental Research and Public Health (2011, 2018, 2021); International Journal of Occupational and Environmental Health (2016); Journal of Cancer Epidemiology; Journal of Epidemiology and Community Health (2018), Journal of Health, Population, and Nutrition; Journal of Hematology & Oncology (2023); Journal of Occupational and Environmental Medicine; Journal of the American Medical Association (JAMA); Journal of Rural Health; Journal of the National Cancer Institute (JNCI); Landscape and Urban Planning (2023); Lancet Planetary Health (2022); Leukemia & Lymphoma; Occupational and Environmental Medicine (2017, 2018); Scandinavian Journal of Work, Environment, and Health; Science of the Total Environment; Toxicology and Industrial Health

## **Grant Review**

Lifestyle Change and Behavioral Health Study Section (PA-20-183), NIH, January 2023

New Cohorts for Environmental Exposures and Cancer Risk (UG3/UH3, RFA-CA-20-050), National Cancer Institute, NIH, July 2021

Harvard T.H. Chan-NIEHS Center for Environmental Health pilot project review, April 2021

NCI Clinical Studies Special Emphasis Panel review, October 2010

FHCRC/NMSU U54 pilot award study section, June 2010

Special Emphasis Panel/Scientific Review Group (2010/08 ZCA1 PCRB-A, A1, S meeting, Loan Repayment Program), NIH, May 2010

Environment and Health Fund (Israel), Review of a proposed study on pesticides & health, April 2010

Review of a research proposal for intramural funding within the Epidemiology Branch of the National Institute of Environmental Health Sciences, NIH, November 2009

Mechanism for Time-Sensitive Research Opportunities (R21), National Institute for Environmental Health Sciences, NIH, May 2008

Comparative Biology Elucidation of Environmental Pathways and Susceptibility (R01), National Institute for Environmental Health Sciences, NIH, March 2007

Multidisciplinary Clinical Research Center (P60), National Institute for Arthritis and Musculoskeletal Diseases, NIH, November 2006

## Advisory Groups / Expert Panels

Cumulative Risk Assessment (Presenter and Panelist). Meeting of Philadelphia Department of Public Health, Philadelphia Air Pollution Control Board, the Philadelphia Health Commissioner and the Philadelphia Mayor. 27 Jan 2022.

NASEM Committee: Review of DOD's Approach to Deriving an Occupational Exposure Level for Trichloroethylene (Committee Chair: Ed Bishop). National Academies of Sciences Engineering Medicine, Washington, DC, January 2019-November 2019

- National Academies of Sciences, Engineering, and Medicine. 2019. Review of DOD's Approach to Deriving an Occupational Exposure Level for Trichloroethylene. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25610>.

Climate Change and Health Advisory Group (Organizer: Jessica Caum). Philadelphia Department of Public Health, 2016-2019

Integrated Risk Information System (IRIS), USEPA. Consultant for development of criteria for evaluating study quality in epidemiologic research of immune system-related effects, for use in IRIS assessments. March-October 2017

International Agency for Research on Cancer (IARC) working group review of DDT, lindane, and 2,4-D. Lyon, France, June 2015

- Guyton KZ, Loomis D, Grosse Y, El Ghissassi F, Benbrahim-Tallaa L, Guha N, Scoccianti C, Mattock H, Straif K. International Agency for Research on Cancer Monograph Working Group, IARC, Lyon, France. Carcinogenicity of lindane, DDT, and 2,4-D. *Lancet Oncol* 2015 Jun 22. pii: S1470-2045(15)00081-9. doi: 10.1016/S1470-2045(15)00081-9

Grouping of B-cell neoplasms in studies of Agent Orange in the Institute of Medicine's Veterans and Agent Orange Update 2014, presented to the Department of Veterans' Affairs (Invited Expert Discussant). Conference call organized by the National Academy of Sciences, 9 March 2015

Evaluation of trichloroethylene-induced immune effects and their role in its potential carcinogenicity (Expert information group participant). National Toxicology Program Report on Carcinogens, 3 April 2014

Risk Assessments for Methylene Chloride (CASRN 75-09-2) and N-Methylpyrrolidone (CASRN 872-50-4) for Paint Stripping Use (Peer reviewer). Office of Pollution Prevention and Toxics. Environmental Protection Agency, Washington, DC, September-December 2013

Autoimmune Diseases and the Environment (Expert panel member). National Institute for Environmental Health Sciences, RTP, NC, September 2010

Trichloroethylene (TCE) Risk Assessment (Peer Reviewer). Environmental Protection Agency, Washington, DC, April-May 2010

Formaldehyde Report on Carcinogens (Expert panel member). National Institute for Environmental Health Sciences, Research Triangle Park, NC, October-November 2009

- National Toxicology Program. Final report on carcinogens background document for formaldehyde. *Rep Carcinog Backgr Doc*. 2010 Jan;(10-5981):i-512. PMID: 20737003.

Perchlorate State-of-the-Science Symposium (Expert panel member). Center for Environmental Toxicology and Department of Pharmacology, University of Nebraska Medical Center, Omaha, NE, September-October 2003

### **Other Peer Review**

Book proposal on litigation against Monsanto claiming use of Roundup herbicide (glyphosate) caused non-Hodgkin lymphoma. Johns Hopkins University Press, May 2020

Toxicological Profile for Glyphosate. Agency for Toxic Substances and Disease Registry, Centers for Disease Control and Prevention, August 2017

Retrospective Cohort Mortality Study of Workers Employed at a Phosphate Ore Processing and Phosphorous Production Facility in Florida (1947-1981), Agency for Toxic Substances and Disease Registry, Centers for Disease Control, December 2004

Gulf War and Health, Volume 3: Fuels, Combustion Products, and Propellants. Committee on Gulf War and Health, Institute of Medicine, September-October 2004

### **External Reviewer for Academic Appointment, Promotion, or Tenure**

Review for promotion of Angela Malek, PhD, to rank of Research Associate Professor (Committee Chair: Hermes J. Florez). Department of Public Health Sciences, Medical University of South Carolina (MUSC), November 2022

Review for appointment of Nathaniel Baker, MS, to Assistant Professor (Committee Chair: John Vena). Department of Public Health Sciences, Medical University of South Carolina (MUSC), September-October 2018

Review for promotion of David Wheeler, PhD, to rank of Associate Professor with tenure (Committee Chair: Roy T. Sabo). Department of Biostatistics, Virginia Commonwealth University, August-September 2016

### **Community Service**

Advisory Board Member, Healthy Outdoor Public Spaces (HOPS) Committee, Philadelphia Department of Public Health, Philadelphia, PA. 2023-present

Board Member, Secretary, and Assistant Treasurer, Wissahickon East Park Friends, Philadelphia, PA. Oct 2022-present

Stakeholder Participant, Health-First Green Stormwater Infrastructure (GSI) Collaborative. 2021-2022. Worked with diverse group of stakeholders to develop an action agenda for optimizing GSI for public health. Presented a concept proposal for research to address knowledge gaps at a convening, 5 May 2022

Tree Tender Team Leader, Pennsylvania Horticultural Society, Philadelphia, PA (East Mount Airy): Plant street trees in spring and fall; Solicit applications for tree planting from homeowners; Recruit and train volunteers; Check trees annually to monitor growth and condition. 2014-present

Trail Ambassador, Friends of the Wissahickon (FOW), Philadelphia, PA: Trail shifts to interact with public and report on park conditions; Outreach tables to inform public about the Wissahickon and FOW; Lead hikes; Participant and #1 fundraiser for 2016 All Trails Challenge. 2015-2022

Ad Hoc Committee Member, Turf Management Advisory Committee. Foulkeways Senior Living Community, Gwynned, PA. October 2018

Interviewer/panelist for Sanitarian Supervisor job for the City of Philadelphia, 16 May 2014

## **CONSULTING**

---

Kline & Specter, Attorneys at Law. Expert opinion on a case of lymphoma following occupational exposure to phenoxyherbicides. January-February 2007

Glaxo-Wellcome. Literature reviews and data analysis. 1997-2000

## **PROFESSIONAL MEMBERSHIPS**

---

Philadelphia Regional Center for Children's Environmental Health (PRCCEH), NIH-funded center (1P2CES033428), 2023-present

Society for Risk Analysis, 2013-present (Chair of Exposure Assessment Specialty Group from 2014-2016)

International Society for Environmental Epidemiology, 2003-present

InterLymph Consortium, 2004-present (Chair of the Lifestyle and Environment Working Group from 2016-2017)

International Multiple Myeloma Consortium, 2006-2018 (Chair of the Coordinating Committee from 2013-2014; Elected Member of the Coordinating Committee from 2012-2014)

Alumni Association, UNC School of Public Health and Community Medicine, Epidemiology Chapter, 2007-present (President-Elect from 2006-2007 and President from 2007-2008)

## **CONFERENCES AND SYMPOSIA**

---

### **Organization**

Reviewer of abstracts for the Delta Omega Public Health Honor Society 2023 Student Poster Session to be held at the American Public Health Association annual meeting, April 2023

Reviewer of abstracts for the Urban Health Collaborative symposium held in Philadelphia, PA, September 2017

Leader and organizer of an Expert Workshop: Review of the Epidemiologic Evidence on Drinking Water Turbidity and Acute Gastrointestinal Illness. Workshop held in Philadelphia, PA, October 2015

Session organizer for the Society for Risk Analysis, Exposure Assessment Specialty Group. Conference held in Alexandria, VA, December 2015

Organizer of annual meeting of the International Multiple Myeloma Consortium (IMMC). Meeting held in Groningen, Netherlands, June 2015

Session organizer for the Society for Risk Analysis, Exposure Assessment Specialty Group. June 2014; Conference held in December 2014

Reviewer of abstracts for the Congress of Epidemiology, Spotlight Session on Geographic Information Systems, Seattle, WA, June 2006

Organizer of “Sensitivity Analysis for Epidemiologic Studies”. Seminar and workshop by Dr. Timothy Lash (Boston University). Department of Epidemiology, University of Washington, Seattle, WA, June 2004

### **Oral Presentations**

“Modification of the Relationship Between Residential Greenness and Mortality: A Systematic Review and Meta-Analysis. International Society for Environmental Epidemiology, North American Chapter meeting, Corvallis, OR, June 2023

“Epidemiologic Evidence for Glyphosate-Based Herbicide Exposure as A Cause of Non-Hodgkin Lymphoma.” Scientific forum: Risks and Damages Associated with Transgenic Corn and Glyphosate. Hosted (online) by the Government of the State of México, The National Council for Science and Technology (Conacyt), and the Inter-ministerial Commission for the Biosafety of Genetically Modified Organisms (CIBIOGEM). Purpose of webinar: to defend Mexico’s decision to ban glyphosate and transgenic corn. 9 May 2023

“Toward an Understanding of the Impact of Urban Tree Canopy on Pediatric Asthma“. Department of Epidemiology and Environmental Health, University at Buffalo, October 2022

“Toward an Understanding of the Impact of Urban Tree Canopy on Pediatric Asthma“. Grand Rounds, Ichan School of Medicine at Mt Sinai, December 2021

“Influence of Greenspace on the Infant Gut Microbiome“. International Society for Environmental Epidemiology annual meeting (virtual), August 2020

“Precipitation Events, Water Quality, and Risk of Gastrointestinal Illness in Philadelphia“. Delaware Watershed Research Conference, Academy of Natural Sciences, November 2019

“The Health Benefits and Costs of Urban Public Spaces“. Workshop on the Benefits and Costs of Urban Public Spaces, sponsored by the William Penn Foundation. Temple University, May 2019.

“Precipitation Events, Water Quality, and Risk of Gastrointestinal Illness in Philadelphia“. Center for Environmental Health and Susceptibility, University of North Carolina at Chapel Hill, March 2019

“Precipitation Events, Water Quality, and Risk of Gastrointestinal Illness in Philadelphia“. Delaware Watershed Research Conference, Academy of Natural Sciences, November 2018



“Is Hazard Identification a Scientific Process? Recent Evaluations of Glyphosate Suggest Room for Interpretation“. Annual meeting of the Society for Risk Analysis, Arlington, VA, December 2017

“Drinking Water Turbidity in Relation to Acute Gastrointestinal Illness – What Does the Association Mean? “ 12<sup>th</sup> CECIA-IAUPR Biennial Symposium on Potable Water Issues in Puerto Rico. Center for Environmental Education, Conservation and Research (CECIA-IAUPR), InterAmerican University of Puerto Rico, in collaboration with the USEPA. San Juan, Puerto Rico, March 2017

“Public Health Implications of Changes in Environmental Policies“. DSPH Symposium on Environmental Health in the New Administration. Drexel University, March 2, 2017

“Precipitation Events, Water Quality, and Risk of Gastrointestinal Illness in Philadelphia“. Delaware Watershed Research Conference, Academy of Natural Sciences, November 2017

“Epidemiologic Evidence on Drinking Water Turbidity and Acute Gastrointestinal Illness“. Expert Workshop: Review of Epidemiologic Evidence on Drinking Water Turbidity and Acute Gastrointestinal Illness, Philadelphia, PA, October 2015

“Family History of Lymphohematopoietic Cancer and Risk of Multiple Myeloma“. Annual meeting of the International Multiple Myeloma Consortium, Groningen, Netherlands, June 2015

“Proximity to Traffic, Ambient Air Pollution and Community Noise in Relation to Incident Rheumatoid Arthritis“. Drexel University School of Public Health, Philadelphia, PA, October 2013

“Proximity to Traffic, Ambient Air Pollution and Community Noise in Relation to Incident Rheumatoid Arthritis“. University of Pittsburgh School of Public Health, Pittsburgh, PA, September 2013

“Lessons about Occupational Causes of Lymphoma from the InterLymph Consortium“. Kimmel Cancer Center Population Sciences Working Group meeting, Philadelphia, PA, October 2013

“Epidemiology of Myelodysplastic Syndromes, Myeloproliferative Disorders, and Aplastic Anemia“. Patient Conference, FHCRC, Seattle, WA, June 2012

“Epidemiology of Myelodysplastic Syndromes, Myeloproliferative Disorders, and Aplastic Anemia“. Patient Conference, FHCRC, Seattle, WA, June 2010

“Insecticide Use and Risk of Autoimmune Rheumatic Diseases in the Women’s Health Initiative Observational Study. International Congress on Systemic Lupus Erythematosus“. LUPUS2010 meeting, Vancouver, BC, June 2010

“Polychlorinated Biphenyls (PCBs) as Risk Factors for Non-Hodgkin Lymphoma: Causation, Confounding, or (mis)-Classification?“. Center for Environmental Health and Susceptibility, University of North Carolina, Chapel Hill, NC, October 2009

“Weight Loss-Induced Exposure to Persistent Organic Pollutants“. Innovator’s Network reporting event, FHCRC, Seattle, WA, August 2009

“Search for Environmental Causes of Lymphomas“. Department of Epidemiology, University of Alabama, Birmingham, AL, April 2009

“Long-Term Health Effects of Pesticide Exposure“. Pesticide Incident Reporting and Tracking (PIRT) annual meeting, Yakima, WA, November 2008

“Carcinogens – Facts versus Fiction“. Current Issues in Cancer Care Symposium, Wenatchee Valley Medical Center, Chelan, WA, October 2008

“Residential Proximity to Industrial Facilities and Risk of Non-Hodgkin Lymphoma“. International Society for Environmental Epidemiology annual meeting, Pasadena, CA, October 2008

“Epidemiology of Myelodysplastic Syndromes and Myeloproliferative Disorders“. Patient Conference, FHCRC, Seattle, WA, June 2008

“Multiple Exposures, Multiple Effects – How Do We Decide What’s Significant? “ Keynote Address, Epidemiology in Occupational Health (EPICOH) 20<sup>th</sup> international conference, San José, Costa Rica, June 2008

“Weight Loss-Induced Exposure to Persistent Organic Pollutants“. Science Over Lunch event for donors, FHCRC, Seattle, WA, July 2007

“Epidemiology of Myelodysplastic Syndromes and Myeloproliferative Disorders“. Patient Conference, FHCRC, Seattle, WA, June 2007

“Medical History and Risk of Multiple Myeloma“. International Multiple Myeloma Consortium meeting, Barcelona, Spain, June 2007

“Studies of Weight Loss-Induced Exposure to Persistent Organic Pollutants“. Transdisciplinary Research in Cancer (TREC) seminar, Seattle, WA, March 2007

“Corn Farming Study“. Center for Ecogenetics and Environmental Health (CEEH) seminar, University of Washington, Seattle, WA, June 2006

“Persistent Organochlorine Chemicals in Plasma and Risk of Non-Hodgkin Lymphoma“. International Society for Environmental Epidemiology annual meeting, Johannesburg, South Africa, September 2005

“Hierarchical Regression Modeling in Epidemiologic Studies of Multiple Exposures“. Division of Biostatistics, University of Southern California, Los Angeles, CA, August 2005

“Polychlorinated Biphenyls and Risk of Non-Hodgkin Lymphoma“. InterLymph (International Consortium of Lymphoma Researchers) meeting, York, England, July 2005

“Pesticide Mixtures and Lymphoma“. International joint workshop of the European Commission and the Environmental & Occupational Health Sciences Institute, “Modifiers of Chemical Toxicity: Implications for Human Health Risk Assessment”, Poros, Greece, June 2005

“Molecular Epidemiology within the Agricultural Health Study: Results from the Corn Farmers Study“. Agricultural Health Study Biomarker Workshop, Chapel Hill, NC, March 2005

“Hierarchical Regression Modeling in the Analysis of Multiple Exposures“. School of Occupational and Environmental Hygiene, University of British Columbia, Vancouver, BC, November 2003

“Hierarchical Regression Modeling in the Analysis of Multiple Exposures“. Epidemiology Colloquy, Fred Hutchinson Cancer Research Center, Seattle, WA, May 2003

“Hierarchical Regression Modeling in the Analysis of Multiple Exposures“. Department of Statistics, West Virginia University, Morgantown, WV, October 2002

“Hierarchical Regression Modeling in the Analysis of Multiple Exposures“. National Institute for Occupational Safety and Health (NIOSH), Morgantown, WV, October 2002

“Nitrate in Public Water Supplies and the Risk of Colon Cancer“. Department of Environmental and Occupational Health, George Washington University, Washington, DC, September 2002

“Hierarchical Regression Modeling in the Analysis of Multiple Exposures“. Agency for Toxic Substances and Disease Registry (ATSDR), Atlanta, GA, September 2002

“Integrative Assessment of Multiple Pesticide Exposures and Non-Hodgkin's Lymphoma Among Men“. Society for Occupational and Environmental Health annual meeting, Washington, DC, July 2002

“Mechanistic Considerations in the Application and Interpretation of Susceptibility Markers in Epidemiologic Studies“. Society for Epidemiologic Research (SER) annual meeting, Palm Desert, CA, June 2002

“Nitrate in Community Water Supplies and the Risk of Colorectal Cancers“. Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill, Chapel Hill, NC, November 2001

“Bayesian Hierarchical Regression Modeling in the Analysis of Multiple Exposures“. National Institute of Environmental Health Sciences (NIEHS), Research Triangle Park, NC, October 2001

“Integrative Assessment of Multiple Pesticide Exposures and Non-Hodgkin's Lymphoma in Men“. International Society for Environmental Epidemiology annual meeting, Garmisch, Germany, August 2001

“Nitrate in Community Water Supplies and the Risk of Colon Cancer“. International Society for Environmental Epidemiology annual meeting. Garmisch, Germany, August 2001

“Bayesian Hierarchical Regression Modeling in the Analysis of Multiple Exposures“. National Cancer Institute, Rockville, MD, August 2001

“Parental Occupational Exposures to Electromagnetic Fields and Radiation and the Incidence of Neuroblastoma in Offspring“. International Society for Environmental Epidemiology annual meeting, Buffalo, NY, August 2000

“Parental Occupational Exposures to Chemicals and the Incidence of Neuroblastoma in Offspring“. Society for Epidemiologic Research annual meeting, Buffalo, NY, June 2000

## **Posters**

Pilot Pollen Sampling in Philadelphia to Identify Spatial Variation and Neighborhood Determinants of Pollen Levels. Urban Health Collaborative Research Day, October 2022

Occupational Pesticide Use and Risk of Non-Hodgkin Lymphoma. International Society for Environmental Epidemiology annual meeting (virtual), August 2020

Changes in the Spatial Pattern of Preeclampsia in Washington State, 1992-2002. International Society for Environmental Epidemiology, Annual meeting, Johannesburg, South Africa, September 2005

Metabolic Gene Variants and the Risk of Adult Brain Tumors. American Association for Cancer Research – Frontiers in Prevention, Annual meeting, Seattle, WA, October 2004

Rheumatoid Arthritis Among Women in the Agricultural Health Study: Risk Associated with Farming Activities and Exposures. International Society for Environmental Epidemiology, Annual meeting, New York, NY, August 2004

Rheumatoid Arthritis Among Women in the Agricultural Health Study: Risk Associated with Farming Activities and Exposures. National Advisory Panel of the Agricultural Health Study, Annual meeting, Bethesda, MD, February 2004

Occupation and the Risk of Adult Glioma. International Society for Environmental Epidemiology, Annual meeting, Vancouver, BC, August 2002

Study of Immune Effects in Corn Farmers within the Agricultural Health Study. International Society for Environmental Epidemiology, Annual meeting, Vancouver, BC, August 2002

GST- and CYP2E1 Polymorphisms and the Risk of Adult Brain Tumors. American Association for Cancer Research, Annual meeting, New Orleans, LA, April 2001

## **HONORS AND AWARDS**

---

Intramural Research Award, Division of Cancer Epidemiology and Genetics, NCI, 2001

Delta Omega National Honor Society in Public Health, Inducted 2000

Population Sciences Award, Lineberger Comprehensive Cancer Center, 1999

Environmental Training Grant, National Institute for Environmental Health Sciences, 1995-1997