

CURRICULUM VITAE

Ami R. Zota ScD, MS

PERSONAL DATA

Name: Ami Ramnik Zota

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EDUCATION

1999	University of North Carolina at Chapel Hill, School of Public Health	BSPH	Highest Honors, Environmental Science and Engineering
2003	Harvard University, School of Public Health	MS	Environmental Health
2007	Harvard University, School of Public Health	ScD	Environmental Health

POSTDOCTORAL TRAINING

2007-07/2009 Postdoctoral Research Fellow, Silent Spring Institute, Newton, MA

2007-07/2009 Postdoctoral Research Fellow, Harvard School of Public Health, Boston, MA

2009-06/2013 Postdoctoral Scholar, Program on Reproductive Health and the Environment, Department of Obstetrics, Gynecology, and Reproductive Sciences, University of California, San Francisco, CA

ACADEMIC APPOINTMENTS

2019 - Associate Professor (tenured), Department of Environmental and Occupational Health, George Washington University Milken Institute School of Public Health

2013 - 2019 Assistant Professor, Department of Environmental and Occupational Health, George Washington University Milken Institute School of Public Health

UNIVERSITY AFFILIATIONS

- 2019 - Institute for Intersectionality Equity Research and Policy
- 2017 - Cancer Center, George Washington University
- 2015 - Jacobs Institute of Women's Health, Milken Institute School of Public Health

AREAS OF SPECIALIZATION

Environmental chemical exposure assessment, Reproductive and perinatal epidemiology, Environmental health disparities, Molecular Epidemiology, Environmental justice

HONORS AND AWARDS

- 2019 Extramural Paper of the Month, National Institute of Environmental Health Sciences (NIEHS) Environmental Factor Newsletter
- 2017 Collaborative on Health and the Environment award: Pioneer under 40 in Environmental Public Health
- 2017 Article of the Year, *Journal of Exposure Science and Environmental Epidemiology*
- 2016 Article featured in *Environmental Health Perspectives* Science Selections
- 2016 Early Career Reviewer, National Institutes of Health
- 2012 Article of the Year, *American Journal of Public Health*
- 2011-2013 UCSF Clinical & Translational Science Institute K Scholar Program Fellow
- 2010-2011 Science Communication Fellow, Environmental Health News
- 2006, 2008 Special Commendation, Rebecca James Baker Memorial Prize, International Society for Environmental Epidemiology
- 2006 Student Poster Award, International Conference of the International Societies for Environmental Epidemiology and Exposure Science, Paris, France
- 2005-2006 National Fellow, Environmental Leadership Program
- 2004 Student Poster Award, Conference of the International Society of Exposure Science (Formerly ISEA), Philadelphia, PA
- 2003-2006 Predoctoral Research Fellowship, Superfund Basic Research Program
- 2002-2003 Boston Schweitzer Fellow, the Albert Schweitzer Fellowship, Boston, MA
- 2001-2003 Hazardous Substance Academic Training Tuition Scholarship, National Institute of Occupational Safety and Health
- 1999 Highest Honors in Environmental Science and Engineering, UNC-Chapel Hill

RESEARCH AND CREATIVE ACTIVITY

RESEARCH GRANTS AWARDED

1. Title of grant: "Using EV-microRNAs to identify a non-invasive biomarker of uterine fibroids outcomes"
Dates: 4/2019 – 3/2021
Sponsoring organization: NICHD R21
Direct Costs: \$275,000 (\$137,500/year)
Role: Principal Investigator, 17% FTE
Objective: To identify EV-miRNAs of fibroid origin and determine whether they can be used as early predictors of fibroid growth
2. Title of grant: "Impact of housing assistance on residential environmental exposures"
Dates: 10/2019 – 9/2022
Sponsoring organization: U.S. Department of Housing and Urban Development
Direct Costs: \$585,662 (\$195,220/year)
Role: Principal Investigator
Objective: To examine the relationship between housing assistance and residential environmental exposures, using an innovative data linkage between National Health and Nutrition Examination Survey and U.S. Department of Housing and Urban Development
3. Title of grant: "Taking stock: Product use and exposure disparities among Black and Latina women in Los Angeles"
Dates: 8/2018 – 7/2021
Sponsoring organization: California Breast Cancer Research Program
Direct Costs: \$350,000 (\$117,000/year)
Role: Co-Investigator (PIs: Bhavna Shamasunder/Jan Flint), 6% FTE
Objective: To identify links between consumer product use and racial/ethnic disparities in breast cancer through community-based surveys and chemical product testing
4. Title of grant: "Using EV-microRNAs to identify a non-invasive biomarker of uterine fibroid growth"
Dates: 4/2018 – 3/2020
Sponsoring organization: GW Milken School of Public Health
Direct Costs: \$25,000
Role: Principal Investigator, 10% FTE
Objective: To collect pilot data on in vivo fibroid growth and associations with EV-miRNAs
5. Title of grant: "Improving public health through advancements in science, policy, and clinical practice"
Dates: 6/2019- 5/2020
Sponsoring organization: Marisla Foundation
Direct Costs: \$25,000
Role: Principal Investigator
Objective: To advance environmental public health research, communication, and training
5. Title of grant: "Using ToxCast data to assess food additive safety"
Dates: 12/2019- 11/2020
Sponsoring organization: Forsythia Foundation

Direct Costs: \$30,000
Role: Principal Investigator
Objective: To conduct the first independent analysis of ToxCast data for food additives

RESEARCH GRANTS CONCLUDED

1. Title of grant: "Role of endocrine-disrupting chemicals and social stress on perinatal outcomes"
Dates: 6/2011 – 8/2017
Sponsoring organization: NIEHS K99ES019881/R00ES019881
Direct Costs: \$927,000
Role: Principal Investigator, 50% FTE
Objective: Career development award to help launch an independent research program in reproductive and environmental epidemiology of endocrine-disrupting chemicals that includes integration of social factors and biologic pathways.
2. Title of grant: "Using EV-microRNAs to identify a non-invasive biomarker of uterine fibroids"
Dates: 6/2018 – 5/2019
Sponsoring organization: Clinical and Translational Science Institute at Children's National
Direct Costs: \$50,000
Role: Principal Investigator
Objective: To identify EV-miRNAs of fibroid origin and determine if they can be used to differentiate between two common clinical phenotypes
3. Title of grant: "Toxic-free healthy food systems summit"
Dates: 12/2017 – 3/2019
Sponsoring organization: Forsythia Foundation
Direct Costs: \$50,000
Role: Principal Investigator, 20% FTE
Objective: To plan a summit with thought leaders, scientists, policy-makers, and entrepreneurs to identify data gaps and opportunities for action to remove toxic chemicals from food systems
4. Title of grant: "Developing evidence-based strategies for toxic-free healthy food systems"
Dates: 6/2016 – 1/2019
Sponsoring organization: Passport Foundation
Direct Costs: \$230,000
Role: Principal Investigator, 15% FTE
Objective: To communicate emerging scientific evidence to the public, and identify major sources of phthalates in the food industry and subpopulations who may be at high risk.
5. Title of grant: "Effect of a weight loss and phthalate exposure reduction intervention trial on body composition"
Dates: 1/2017 – 12/2018
Sponsoring organization: GW Milken School of Public Health Redstone Center
Direct Costs: \$50,000
Role: Co-Investigator (PI: Kim Robien)
Objective: To conduct a phthalate elimination study by targeting dietary and personal care product sources.

6. Title of grant: “Endocrine-disrupting chemicals, uterine fibroid growth, and novel epigenetic pathways”
Dates: 6/2016 – 12/2017
Sponsoring organization: GW Office of the Vice President for Research, Cross-Disciplinary Research Fund
Direct Costs: \$45,000
Role: Principal Investigator
Objective: To examine whether phthalate and phenol exposures affect fibroid growth, in part through changes in miRNA-induced mRNA expression
7. Title of grant: “Environmental genomics of uterine leiomyomas (fibroids)”
Dates: 3/2016 – 3/2017
Sponsoring organization: GW Cancer Center
Direct Costs: \$15,000
Role: Principal Investigator
Objective: To examine whether phthalate and phenol exposures affect fibroid growth, in part through changes in miRNA-induced mRNA expression
8. Title of grant: “Consumer product chemicals in indoor dust: a meta-analysis”
Dates: 1/2015 – 6/2016
Sponsoring organization: Natural Resources Defense Council
Direct Costs: \$50,000
Role: Co-Principal Investigator (Other Co-PI: Veena Singla), 6% FTE
Objective: To conduct a systematic review and quantitative meta-analysis of consumer product chemicals in household dust
9. Title of grant: “Environmental genomics of uterine leiomyomas (fibroids)”
Dates: 8/2014 – 12/2015
Sponsoring organization: GW Milken School of Public Health Springboard Grant Program
Direct Costs: \$50,000
Role: Principal Investigator
Objective: To examine environmental and epigenetic determinants of uterine fibroid severity
10. Title of grant: “New frontiers in expanding our understanding of chemicals in pregnant women”
Dates: 8/2011 – 7/2013
Sponsoring organization: Passport Foundation, Science Innovation Fund
Direct Costs: \$50,000
Role: Co-Investigator (PI: Tracey Woodruff), 25% FTE
Objective: To develop non-targeted analytical methods for chemical exposure assessment
11. Title of grant: “Cumulative impacts of PBDEs and PCBs on thyroid disruption during pregnancy”
Dates: 8/2009 – 7/2010
Sponsoring organization: Passport Foundation, Science Innovation Fund, 50% FTE
Direct Costs: \$50,000
Role: Co-Principal Investigator (Other Co-PI: Tracey Woodruff)
Objective: To examine effects of PBDE and PCB exposure on thyroid hormone disruption in pregnant women

12. Title of grant: "Assessing cumulative burdens of chemical exposure among US pregnant women"
Dates: 8/2009 – 7/2010
Sponsoring organization: Passport Foundation, Science Innovation Fund
Direct Costs: \$50,000
Role: Co-Principal Investigator (Other Co-PI: Tracey Woodruff), 25% FTE
Objective: To develop novel methods for cumulative chemical exposure assessment in pregnant women

PENDING GRANTS

1. Title of grant: Per- and Polyfluoroalkyl substances mixtures and maternal cardiovascular disease risk across the reproductive life course
Dates: 12/2019 – 11/2024
Sponsoring organization: NIEHS R01 (Initial Submission)
Direct Costs: \$2,500,000
Role Co-Principal Investigator (Co-PI: Tamarra James-Todd)
Objective: To determine whether changes in legacy PFASs and exposure to replacement PFASs alter CVD risk in women across their reproductive lives.
Status: 25th percentile score (Resubmission planned for November 2019)
2. Title of grant: Effects of maternal perchlorate exposure during pregnancy and lactation on offspring thyroid function and neurodevelopment
Dates: 12/2019 – 11/2024
Sponsoring organization: NIEHS R01
Direct Costs: \$2,155,942
Role Co-Investigator (PI: Angela Leung)
Objective: To evaluate the effects of maternal perchlorate exposure during pregnancy and lactation on offspring thyroid function and neurodevelopment
Status: 24th percentile score (Awaiting council decision; PI is an early stage investigator)

PEER-REVIEWED PUBLICATIONS

(*Student is a first author & Zota is corresponding author)

1. **Zota A.** &, Adamkiewicz G., Levy J.I., and Spengler J.D. Ventilation in public housing: implications for indoor nitrogen dioxide concentrations. *Indoor Air* 2005, 15: 393-401. doi: 10.1111/j.1600-0668.2005.00375.x.
2. **Zota A.R.** &, Rudel R.A., Morello-Frosch R.A., Brody J.G. Elevated house dust and serum concentrations of PBDEs in California: unintended consequences of furniture flammability standards? *Environmental Science and Technology* 2008, 42: 8158-8164. doi: 10.1021/es801792z.
3. **Zota A.R.** &, Ettinger A.S., Amarasiriwardena C., Bouchard M., Schwartz J., Hu H., Wright R.O. Association between maternal manganese exposure and infant birth weight. *Epidemiology* 2009, 20: 367-373. doi: 10.1097/EDE.0b013e31819b93c0. PMID: PMC3113478.
4. Ettinger A.S., **Zota A.R.**, Amarasiriwardena C.J., Hopkins M.R., Schwartz J., Hu H., Wright R.O. Maternal arsenic exposure and impaired glucose tolerance during pregnancy

- Environmental Health Perspectives* 2009, 117: 1059-1064. doi: 10.1289/ehp0800533. PMCID: PMC2717130.
5. **Zota A.R.**[&], Willis R., Jim R., Norris G.A., Shine J.P., Duvall R., Schaider, L.A., Spengler, J.D. Impact of mine waste on airborne respirable particulates in northeastern Oklahoma, USA. *Journal of the Air & Waste Management Association* 2009, 59: 1347-1357. doi: 10.3155/1047-3289.59.11.1347. PMID: 19947116.
 6. Brody J.G., Morello-Frosch R.A., **Zota A.R.**, Brown P., Perez C., Rudel R.A. Linking exposure assessment science with policy objectives for environmental justice and breast cancer advocacy: The Northern California household exposure study. *American Journal of Public Health* 2009, 99:S600-S609. doi: 10.2105/AJPH.2008.149088. PMCID: PMC2774181.
 7. **Zota A.R.**, Aschengrau A., Rudel R.A., Brody J.G. Self-reported cleaning and pesticide product use, beliefs about disease causation and risk of breast cancer in the Cape Cod breast cancer and environment study. *Environmental Health* 2010, 9:40. doi: 10.1186/1476-069X-9-40. PMCID: PMC2918587 (Most accessed article in July 2010 and among the top ten most accessed articles for 2010).
 8. **Zota A.R.**[&], Adamkiewicz G., and Morello-Frosch R.A. Are PBDEs an environmental equity concern? Exposure disparities by socioeconomic status. *Environmental Science and Technology* 2010, 44 (15): 5691-2. doi: 10.1021/es101723d.
 9. Adams C., Brown P., Morello-Frosch R.A., Brody J.G., Rudel R., **Zota A.**, Dunagan S., Tovar J., Patton S. Community context in report-back of personal environmental exposure data. *Journal of Health and Social Behavior* 2011, 52(2):180-196. doi: 10.1177/0022146510395593. PMCID: PMC3175404.
 10. Woodruff T.J., **Zota A.R.**, and Schwartz J.M. Environmental chemicals in pregnant women in the U.S.: NHANES 2003-2004. *Environmental Health Perspectives* 2011, 119(6): 878-885. doi: 10.1289/ehp.1002727. Epub 2011 Jan 14. PMCID: PMC3114826. (Second most accessed article in the journal in 2011)
 11. Adamkiewicz G., **Zota A.R.**, Fabian M.P., Chahine T., Julien R., Spengler J.D., and Levy J.I. Moving environmental justice indoors: understanding structural influences on residential exposure patterns in low-income communities. *American Journal of Public Health* 2011, 101 Suppl 1:S238-45. doi: 10.2105/AJPH.2011.300119. Epub 2011 Aug 11. PMCID: PMC3222513.(American Journal of Public Health Paper of the Year for 2011-2012)
 12. **Zota A.R.**[&], Schaider L.A., Ettinger A.S., Wright R.O., Shine J.P., and Spengler J.D. Metal sources and exposures in the homes of young children living near a mining-impacted Superfund site. *Journal of Exposure Science and Environmental Epidemiology* 2011, 21(5):495-505. doi: 10.1038/jes.2011.21. Epub 2011 May 18. PMCID: PMC3161168.
 13. **Zota A.R.**[&], Park J.S., Wang Y., Petreas M., Zoeller R.T., Woodruff T.J. Polybrominated diphenyl ethers (PBDEs), hydroxylated PBDEs (OH-PBDEs), and measures of thyroid function in second trimester pregnant women in California. *Environmental Science & Technology* 2011, 45(18): 7896 – 905. PMCID: PMC3191110.
 14. Brown P., Brody J.G., Morello-Frosch R., Tovar J., **Zota A.R.**, and Rudel R.A. Measuring the Success of Community Science: The Northern California Household Exposure Study.

- Environmental Health Perspectives* 2012, 120(3): 326 – 331. doi: 10.1289/ehp.1103734. Epub 2011 Dec 6. PMID: PMC3295345.
15. **Zota A.R.**, Linderholm L., Park J.S., Petreas M., Guo T., Privalsky M.L., Zoeller R.T., and Woodruff T.J. A temporal comparison of PBDEs, OH-PBDEs, PCBs, and OH-PCBs in the serum of second trimester pregnant women recruited from San Francisco General Hospital, California. *Environmental Science & Technology* 2013 47(20): 11776-11784. doi: 10.1021/es402204y. PMID: PMC4086273.
 16. **Zota A.R.** &, Shenassa E., and Morello-Frosch R.A. Allostatic load modifies the effect of blood lead levels on elevated blood pressure among middle-aged U.S. adults: Findings from NHANES 1999 – 2008. *Environmental Health* 2013, 12(1): 64. doi: 10.1186/1476-069X-12-64. PMID: PMC3847858.
 17. **Zota A.R.** &, Calafat A.M., and Woodruff T.J. Temporal trends in phthalate exposures: Findings from the National Health and Nutrition Examination Survey 2001-2010. *Environmental Health Perspectives* 2014, 122: 235–241. doi:10.1289/ehp.1306681. Epub 2014 Jan 15. PMID: PMC3948032.
 18. **Zota A.R.** &, Needham B.L., Blackburn E.H., Lin J., Park S.K., Rehkopf D.H., and Epel E.S. Associations of cadmium and lead exposure with leukocyte telomere length: Findings from NHANES 1999-2002. *American Journal of Epidemiology* 2015, 181(2): 127–136. doi: 10.1093/aje/kwu293. Epub 2014 Dec 10. PMID: PMC4351349.
 19. Branch F.* , Woodruff T.J., Mitro S.D., **Zota A.R.** & Vaginal douching and racial/ethnic disparities in phthalates exposure among reproductive-aged women: National Health and Nutrition Examination Survey 2001-2004. *Environmental Health* 2015, 14(1):57. doi: 10.1186/s12940-015-0043-6. PMID: PMC4502470. (Among the ten most accessed articles in the journal in 2015).
 20. Mitro S.D. and **Zota A.R.** & Vitamin D and uterine leiomyoma among a sample of US women: Findings from NHANES, 2001-2006. *Reproductive Toxicology* 2015, 57:81-6. doi: 10.1016/j.reprotox.2015.05.013. Epub 2015 Jun 3. PMID: PMC4550549.
 21. Mitro S.D., Johnson T., **Zota A.R.** & Cumulative chemical exposures during pregnancy and early development. *Current Environmental Health Reports* 2015, 2(4):367-78. doi: 10.1007/s40572-015-0064-x. Epub 2015 Sep 4. PMID: PMC4626367.
 22. Mitro S.D., Birnbaum L.S., Needham B.L., **Zota A.R.** & Cross-sectional associations between exposure to persistent organic pollutants and leukocyte telomere length among US adults in NHANES, 2001-2002. *Environmental Health Perspectives* 2016:124(5):651-8. doi: 10.1289/ehp.1510187. Epub 2015 Oct 9. PMID: PMC4858394.
 23. **Zota A.R.** &, Riederer A.M., Ettinger A.S., Schaidt L.A., Shine J.P., Amarasiriwardena C.J., Wright R.O., Spengler J.D. Associations between metals in residential environmental media and exposure biomarkers over time in infants living near a mining-impacted site. *Journal of Exposure Science and Environmental Epidemiology* 2016:26(5):510-9. doi: 10.1038/jes.2015.76. Epub 2015 Dec 9.
 24. **Zota A.R.** &, Phillips C., and Mitro S.D. Recent fast food consumption and Bisphenol A and phthalates exposures among the US population in NHANES, 2003 – 2010. *Environmental*

Health Perspectives 2016; 124(10):1521-1528. doi: 10.1289/ehp.1510803. Epub 2016 Apr 13. (Topic of EHP Science Selection feature story: <http://ehp.niehs.nih.gov/124-A191/>)

25. James-Todd T.M., Chiu Y.H., and **Zota A.R.** Racial/ethnic disparities in environmental endocrine disrupting chemicals and women's reproductive health outcomes: epidemiological examples across the life course. *Current Epidemiology Reports* 2016; 3(2): 161-180. doi: 10.1007/s40471-016-0073-9. Epub 2016 Mar 31.
26. Gerona R.R., Pan J., **Zota A.R.**, Schwartz J.M., Friesen M.W., Taylor J.A., Hunt P.A., Woodruff T.J. Direct measurement of Bisphenol A (BPA), BPA glucuronide and BPA sulfate in a diverse and low-income population of pregnant women reveals high exposure, with potential implications for previous exposure estimates: a cross-sectional study. *Environmental Health* 2016, 15:50. doi: 10.1186/s12940-016-0131-2. PMCID: PMC4828888.
27. Mitro S.D., Dodson R.E., Singla V., Adamkiewicz G., Elmi A., Tilly M.K, **Zota A.R.** & Consumer product chemicals in indoor dust: a quantitative meta-analysis of US. studies. *Environmental Science & Technology* 2016, 50(19):10661-10672. doi: 10.1021/acs.est.6b02023.
28. Varshavsky J.R.* , **Zota A.R.**, Woodruff T.J. A novel method for calculating potency-weighted cumulative phthalate exposure with implications for identifying racial/ethnic disparities among U.S. reproductive-aged women in NHANES 2001-2012. *Environmental Science & Technology* 2016, 50(19):10616-10624. doi: 10.1021/acs.est.6b00522.
29. Rehkopf D.H., Needham B.L., Lin J., Blackburn E.H., **Zota A.R.**, Wojcicki J.M, Epel E.S. Leukocyte telomere length in relation to 17 biomarkers of cardiovascular disease risk: A population-based study, cross-sectional study of US adults. *PLOS Medicine* 2016 13(11):e1002188. doi: 10.1371/journal.pmed.1002188.
30. Nomura S.O., Robien K., **Zota A.R.** & Serum folate, vitamin B-12, vitamin A, γ -tocopherol, α -tocopherol, and carotenoid concentrations do not modify associations between cadmium exposure and leukocyte telomere length among the general US adult population. *Journal of Nutrition* 2017 doi: 10.3945/jn.116.243162.
31. **Zota A.R.** & Singla V., Adamkiewicz G., Mitro S.D., Dodson R.E. Reducing chemical exposures at home: opportunities for action. *Journal of Epidemiology and Community Health* 2017; 71:937-940. doi: 10.1136/jech-2016-208676.
32. **Zota A.R.** & Shamasunder B. Environmental injustice of beauty: Framing chemical exposures from the beauty industry as a health disparities concern. *American Journal of Obstetrics and Gynecology* 2017, 217 (4): 418.e1 -418.e6. doi: 10.1016/j.ajog.2017.07.020
33. Parry E., **Zota A.R.**, Park J.S., Woodruff T.J. Polybrominated diphenyl ethers (PBDEs) and hydroxylated PBDE metabolites (OH-PBDEs): A six-year temporal trend in Northern California Pregnant Women. *Chemosphere* 2018, 195: 777-783. doi:10.1016/j.chemosphere.2017.12.065
34. Lupolt S.* , Buczynski A., **Zota A.R.**, Robien K. Development of a Healthy and Sustainable Food Availability Inventory (HSFAI): an assessment of Washington, DC grocery stores. *Journal of Hunger and Environmental Nutrition* 2018, doi:10.1080/19320248.2018.1434098
35. **Zota A.R.**, Mitro S.D., Robinson J., Hamilton E.G., Park J.S., Parry E., Zoeller R.T., Woodruff T.J. Polybrominated diphenyl ethers (PBDEs) and hydroxylated PBDE metabolites (OHPBDEs)

- in maternal and fetal tissues, and associations with fetal cytochrome P450 gene expression. *Environment International* 2018, 112: 269-278. doi: 10.1016/j.envint.2017.12.030.
36. Varshavsky J*, Morello-Frosch R.A., Woodruff T.J., **Zota A.R.** Dietary sources of cumulative phthalates exposures among the U.S. general population 2005-2014. *Environment International* 2018;115: 417-229. doi: 10.1016/j.envint.2018.02.029.
37. **Zota A.R.**, Geller R.J., Romano L.E., Coleman-Phox K., Adler N.E., Parry E., Wang M., Park J.S., Elmi A.F., Laraia B., Epel E. E. Association between persistent endocrine-disrupting chemicals (PBDEs, OH-PBDEs, PCBs, and PFASs) and biomarkers of inflammation and cellular aging during pregnancy and postpartum. *Environment International* 2018 Mar 10;115:9-20. doi: 10.1016/j.envint.2018.02.044.
38. Bellavia A., **Zota A.R.**, Valeri L., James-Todd T. Multiple mediators approach to study environmental chemicals as determinants of health disparities. *Environmental Epidemiology* 2018 May 30; 2e015; doi: 10.1097/EE9.0000000000000015
39. VanNoy B.N.*, Lam J., **Zota A.R.** & Breastfeeding as a predictor of serum concentrations of per- and polyfluorinated alkyl substances in reproductive-aged women and young children: A rapid systematic review. *Current Environmental Health Reports* 2018; doi: 10.1007/s40572-018-0194-z
40. Geller R.J., Brotman R.M., O'Brien K.M., **Zota A.R.** & Phthalate exposure and odds of bacterial vaginosis among US reproductive-aged women, NHANES 2001-2004. *Reproductive Toxicology* 2018; 2018 Sep 9;82:1-9. doi: 10.1016/j.reprotox.2018.09.001
41. **Zota A.R.** & Geller R.J., Calafat A.M., Marfori C.Q., Baccarelli A.A., Moawad G. Phthalate exposure and uterine fibroid burden among women undergoing surgical treatment for fibroids: a preliminary study. *Fertility and Sterility* 2018; doi: 10.1016/j.fertnstert.2018.09.009
42. Mehta S.S.*, Applebaum K.M., James-Todd T., Coleman-Phox K., Adler N., Laraia B., Epel E., Parry E., Wang M., Park J.S., **Zota A.R.** Associations between sociodemographic characteristics and exposures to PBDEs, OH-PBDEs, PCBs, and PFASs in a diverse, overweight population of pregnant women. *Journal of Exposure Science and Environmental Epidemiology* 2019 Sep 23; doi: 10.1038/s41370-019-0173-y
43. Gibson E.A.*, Nunez Y., Abuawad A., **Zota A.R.**, Renzetti S., Devick K.L., Gennings C., Golsmith J.A., Coull B.A., Kioumourtoglou M.A. An overview of methods to address distinct research questions on environmental mixtures: an application to persistent organic pollutants and leukocyte telomere length. *Environmental Health* 2019, 18(1):1-16. doi: 10.1186/s12940-019-0515-1 (Extramural Paper of the Month, NIEHS Environmental Factor)

PUBLICATIONS UNDER REVIEW

1. **Zota A.R.**, Geller R.J., VanNoy B., Marfori C.Q., Tabbara S., Hu L.Y., Baccarelli A.A., Moawad G.N. Phthalates exposures and microRNA expression in uterine fibroids: The FORGE Study. (*under revision at Epigenetics Insights*).

LETTERS and CORRESPONDENCE

1. **Zota A.R.**, Rudel R.A., Morello-Frosch R.A., Brody J.G. Response to comment on elevated house dust and serum concentrations of PBDEs in California: unintended consequences of furniture flammability standards? *Environmental Science and Technology* 2009; 43: 2661-2662.
2. **Zota A.R.** and Woodruff T.J. Changing trends in phthalate exposures: Zota and Woodruff respond. *Environmental Health Perspectives* 2014; 122: A264 – A254.
3. **Zota A.R.** and Shamasunder B. Response to comments on the environmental injustice of beauty. *American Journal of Obstetrics and Gynecology* 2017

BOOK AND CHAPTERS

1. **Zota A.** “Operationalizing the Precautionary Principle: Adoption of an Early Warnings-Early Action System”, in W. Moomaw, L. Susskind, K. Kursak Eds., *Negotiating A Sustainable Future: Innovations in International Environmental Negotiations*, PON Books, Harvard Law School, 2003.
2. Morello-Frosch R., Brown P., Brody J.G., Altman R.A., Rudel R.A., **Zota A.**, Perez C. “Experts, Ethics, and Environmental Justice: Communicating and Contesting Results from Personal Exposure Science”, in G. Ottinger and B. Cohen Eds., *Technoscience and Environmental Justice: Expert Cultures in a Grassroots Movement*. MIT Press, 2011. (peer reviewed)
3. **Zota A.** and Morello-Frosch R. “Contribution to maternal and child health disparities” in J.Nriagu Ed., *Encyclopedia of Environmental Health*, 2011. (peer reviewed)
4. **Zota A.R.**, Atchley D., Woodruff T.J. “The Intrauterine Environment and Early Infancy” in P. Landrigan and R. Etzel Eds., *Children’s Environmental Health*. Oxford University Press, 2014 (peer reviewed)

REPORTS

1. Gore A.C., Crews D., Doan L.L., Merrill M.L., Patisaul H., and **Zota A.** Introduction to Endocrine Disrupting Chemicals (EDCs): A Guide for Public Interest Organizations and Policy-Makers. A joint publication of the Endocrine Society and the International POPs Elimination Network (IPEN). December 2014.

CONFERENCE ABSTRACTS (Previous five years) (* indicates student trainee)

1. Branch F.*, Woodruff T.J., **Zota A.R.** *Vaginal douching and racial/ethnic disparities in phthalates exposure among US reproductive-aged women.* Poster Presentation at GW Research Days, Washington, DC, April 2014.
2. **Zota A.R.**, Epel E., Morello-Frosch R., Lin J., Blackburn E., Woodruff T.J. *Assessing perceptual and biological measures of chronic stress among low income, ethnically diverse, pregnant women.* Oral Presentation at the 24th Conference of the International Society of Exposure Science, Cincinnati, OH October 2014.
3. **Zota A.R.**, Linderholm L., Park J.-S, Guo T., Petreas M., Zoeller R.T., Privalsky M., Woodruff T.J. *Fetal accumulation and metabolism of PBDE flame retardants during second trimester of*

- pregnancy. Poster Presentation* at the fourth international summit of Prenatal Programming and Toxicity (PPTox). Boston, MA. October 2014.
4. Branch F.*, Woodruff T.J., **Zota A.R.** *Vaginal douching and racial/ethnic disparities in phthalates exposure among US reproductive-aged women. Oral Presentation* at Conference of the American Public Health Association, New Orleans, LA, November 2014.
 5. Phillips C.*, Mitro S., **Zota A.R.** *Fast Food: A Potential Source of Phthalate and BPA Exposure. Oral Presentation* at the Children's Environmental Health Network Research Conference (Children: Food and Environment), Austin, TX, February 2015.
 6. Phillips C.*, Mitro S., **Zota A.R.** *Fast Food: A Potential Source of Phthalate and BPA Exposure. Poster and Oral Presentation* at GW Research Days, March 2015 (Recipient of best poster presentation award).
 7. Mitro S.D., Birnbaum L.S., Needham B.L., **Zota A.R.** *Cross-sectional associations between exposure to persistent organic pollutants and leukocyte telomere length among US adults in NHANES, 2001-2002. Poster Presentation* at GW Research Days, March 2015.
 8. Phillips C.*, Mitro S., **Zota A.R.** *Fast Food: A Potential Source of Phthalate and BPA Exposure. Oral Presentation* at 27th Conference of the International Society for Environmental Epidemiology, Sao Paulo, Brazil, August 2015.
 9. Mitro S.D., Birnbaum L.S., Needham B.L., **Zota A.R.** *Cross-sectional associations between exposure to persistent organic pollutants and leukocyte telomere length among US adults in NHANES, 2001-2002. Oral Presentation* at 27th Conference of the International Society for Environmental Epidemiology, Sao Paulo, Brazil, August 2015.
 10. Varshavsky J.R.*, **Zota A.R.**, Woodruff T.J. *Racial/ethnic disparities in cumulative phthalates exposure among US reproductive-aged women: Findings from NHANES 2001-2012. Poster Presentation* at the 25th Conference of the International Society of Exposure Science, Henderson, NV, October 2015.
 11. Mitro S.D., Dodson R.E., Singla V., Adamkiewicz G., **Zota A.R.** *Consumer product chemicals in indoor dust: a systematic review of US studies. Oral Presentation* at the 25th Conference of the International Society of Exposure Science, Henderson, NV, October 2015.
 12. Parry E., Park J.S., **Zota A.R.**, Yeh G., Duong W., Mitro S.D., Petreas M., Woodruff T.J. *Temporal trends of levels and congener distributions of PBDEs and their phenolic analogues in Northern California pregnant women. Poster Presentation* at the 36th Conference of the Society of Environmental Toxicology and Chemistry, Salt Lake City, UT, November 2015.
 13. Robinson J.F., Hamilton E.G., **Zota A.R.**, Parry E., Park J.S., Fisher S.J., Woodruff T.J. *Differential expression of cytochrome P450 enzymes in placenta, fetal liver, and adult liver. Poster Presentation* at the 54th Conference of the Society of Toxicology, San Diego, CA, March 2016.
 14. Mitro S.D., Dodson R.E., Singla V., Adamkiewicz G., **Zota A.R.** *Consumer product chemicals in indoor dust: a systematic review of US studies. Poster Presentation* at GW Research Days, March 2016.

15. Lupolt S.*, Buczynski A., **Zota A.R.**, Colon-Ramos U. Robien K. *Development of a Healthy and Sustainable Food Availability Index (HSFAI) and assessment of Washington DC grocery stores.* Oral Presentation at Conference of the American Public Health Association, Denver, CO, November 2016.
16. **Zota A.R.**, Mitro S.D., Coleman-Phox K., Adler N.E., Laraia B.A., Epel E.E. *Perinatal psychological distress as a potential modifier of the association between prenatal exposure to endocrine-disrupting chemicals (PBDEs, PCBs, and PFASs) and measures of thyroid function during pregnancy and postpartum.* Oral Presentation at the 29th Conference of the International Society for Environmental Epidemiology, Rome, Italy, September 2016.
17. Romano L.*, Coleman-Phox K., Adler N.E., Laraia B.A., Epel E.E., **Zota A.R.** *Prenatal EDC exposures and biomarkers of the chronic stress response.* Oral Presentation at the Children's Environmental Health Network Translational Research Conference, Arlington, VA, April 2017.
18. **Zota A.R.**, Mitro S.D., Robinson J.F., Hamilton E.G., Park J.S., Parry E., Zoeller R.T., Woodruff T.J. *Polybrominated diphenyl ethers (PBDEs) and hydroxylated PBDE metabolites (OH-PBDEs) in maternal and fetal tissues, and associations with fetal cytochrome P450 gene expression.* Oral Presentation at the Children's Environmental Health Network Translational Research Conference, Arlington, VA, April 2017.
19. Varshavsky J.R.*, **Zota A.R.**, Woodruff T.J. *A novel method for combining phthalates in a cumulative exposure metrics: implications for identifying racial/ethnic disparities.* Oral Presentation at the Children's Environmental Health Network Translational Research Conference, Arlington, VA, April 2017.
20. Mehta S.*, Coleman-Phox K., Adler N.E., Laraia B.A., Epel E.E., **Zota A.R.** *Co-exposure to multiple persistent EDCs in a diverse, overweight pregnancy cohort: a preliminary analysis.* Oral Presentation at the Children's Environmental Health Network Translational Research Conference, Arlington, VA, April 2017.
21. Chavis N.S*, **Zota A.R.** *Early life phytoestrogen exposure and the risk of uterine fibroids in premenopausal women: a systematic review.* Poster Presentation at GW Research Day, Washington DC, April 2017.
22. **Zota A.R.** *Using national biomonitoring data to understand the contribution of dietary sources to human exposures of phthalates, bisphenol A, and polyfluoroalkyl substances.* Invited Oral Presentation at the Food Additives and Packaging Symposium, 254th American Chemical Society National Meeting, Washington DC, August 2017
23. Mehta S.*, Coleman-Phox K., Adler N.E., Laraia B.A., Epel E.E., **Zota A.R.** *Co-exposure to multiple persistent EDCs in a diverse, overweight pregnancy cohort: a preliminary analysis.* Oral Presentation at the 26th Conference of the International Society of Exposure Science, Research Triangle Park, October 2017.
24. **Zota A.R.**, Geller R.J., Romano L.E., Coleman-Phox K., Adler N.E., Parry E., Wang M., Elmi A.F., Laraia B., Epel E. E. *Association between persistent endocrine-disrupting chemicals (PBDEs, OH-PBDEs, PCBs, and PFASs) and biomarkers of inflammation and cellular aging during pregnancy and postpartum.* Invited Symposium Presentation at the 26th Conference of the International Society of Exposure Science, Research Triangle Park, October 2017.

25. **Zota A.R.**, Geller R.J., Baccarelli A., Marfori C., Moawad G. *Investigating racial/ethnic disparities in uterine fibroids through a socio-exposome framework*. Invited Symposium Presentation at the 26th Conference of the International Society of Exposure Science, Research Triangle Park, October 2017.
26. VanNoy B.N.*, Lam J., **Zota A.R.** *Breastfeeding as a predictor of Breastfeeding as a predictor of serum concentrations of per- and polyfluorinated alkyl substances in reproductive-aged women and young children: A rapid systematic review*. Poster Presentation at GW Research Day, Washington DC, April 2018. (Winner of People's Choice Award for Best Student Poster).
27. Wagner B.*, **Zota A.R.** *Indoor air quality and asthma in school children*. Poster Presentation at GW Research Day, Washington DC, April 2018.
28. Geller R.J., Brotman R.M., O'Brien K.M., **Zota A.R.** *Phthalate exposure and risk of bacterial vaginosis among US reproductive-aged women, NHANES 2001-2004*. Poster Presentation at GW Research Day, Washington DC, April 2018.
29. **Zota A.R.**, Geller R.J., Calafat A.M., Marfori C.Q., Moawad G. *Environmental phthalates exposure and measures of uterine fibroid size among a racially diverse population of premenopausal women*. Invited Symposium Presentation at the Joint Meeting of the International Society of Exposure Science and International Society for Environmental Epidemiology, Ottawa, Canada, August 2018.
30. VanNoy B.N.*, Lam J., **Zota A.R.** *Breastfeeding as a predictor of Breastfeeding as a predictor of serum concentrations of per- and polyfluorinated alkyl substances in reproductive-aged women and young children: A rapid systematic review*. Poster Presentation at the Joint Meeting of the International Society of Exposure Science and International Society for Environmental Epidemiology, Ottawa, Canada, August 2018.
31. Mehta S.*, Coleman-Phox K., Adler N.E., Laraia B.A., Epel E.E., Applebaum K.M., James-Todd T., **Zota A.R.** *Prenatal persistent halogenated EDCs and gestational glucose levels in a racially diverse pregnancy cohort of overweight women*. Poster Presentation at the Joint Meeting of the International Society of Exposure Science and International Society for Environmental Epidemiology, Ottawa, Canada, August 2018.
32. Ruth S.*, **Zota A.R.** *Prenatal and postnatal mercury exposure on neurodevelopment: A systematic review of the human evidence*. Poster Presentation at GW Research Day, Washington DC, April 2019.
33. Youner E.*, **Zota A.R.** *Does food insecurity predict obesity and educational achievement: a systematic review*. Poster Presentation at GW Research Day, Washington DC, April 2019.
34. VanNoy B.N.*, Bowleg L., Marfori C., Moawad G.N., **Zota A.R.** *Understanding Black women's psychosocial experiences with seeking treatment for uterine fibroids*. Poster Presentation at GW Research Day, Washington DC, April 2019.

OTHER CREATIVE ACTIVITY (Non-peer reviewed reports, blogs, and articles)

Non-peer reviewed articles

- 2009 **Zota A.** and Jackson T. “The Environmental Injustice of Beauty: Health Repercussions of Chemical Hair Products for Black Women”, in Sistersong Eds., *Collective Voices* (Special Edition – Intersections between Reproductive Justice and Environmental Justice) Vol. 4: 9.

Blogs

- 2010 **Zota A.** “Prenatal PCB exposure linked to children’s ADHD symptoms.” Environmental Health News, April 20, 2010.
- 2010 **Zota A.** “Studies find remarkably high levels of flame retardants in California’s children.” Environmental Health News, May 3, 2010.
- 2010 **Zota A.** “Rat study shows stress worsens air pollution health effects.” Environmental Health News, May 20, 2010.
- 2010 **Zota A.** “Nitrates in water and food may increase womens' thyroid cancer risks.” Environmental Health News, June 29, 2010.
- 2010 **Zota A.** “Lead levels decline in soil, blood in post-hurricane New Orleans.” Environmental Health News, July 8, 2010.
2010. **Zota A.** “Health effects of mercury deserve more attention.” Environmental Health News, August 3, 2010.
- 2010 **Zota A.** “Lower lead levels in jewelry show legislation can make a difference.” Environmental Health News, September 14, 2010.
- 2010 **Zota A.** and Hessler W. “Breathe carefully: air emissions of benzene may cause birth defects.” Environmental Health News, October 26, 2010.
- 2010 **Zota A.** “Oral contraceptives are not a major estrogen source in drinking water.” Environmental Health News, December 07, 2010.
- 2011 **Zota A.** “Link between PCBs and blood pressure broader than suspected.” Environmental Health News, January 07, 2011.
- 2011 **Zota A.** “Banned, contemporary chemicals widespread in U.S. pregnant women.” Environmental Health News, January 14, 2011.

Opinion & Editorials

- 2013 **Zota A.**, Sutton P., and Woodruff T. “Opinion: New flammability standard is a win for low-income communities of color.” Environmental Health News, April 3, 2013.

Podcasts

- 2017 “Windows of Susceptibility” with Ami Zota. Environmental Chat Podcast Series, Partnerships for Environmental Public Health, National Institute of Environmental Health Science.
<https://www.niehs.nih.gov/research/supported/translational/peph/podcasts/susceptibility/index.cfm>

- 2016 “Plasticizers, fast food, and your urine” with Ami Zota. *You Make Me Sick* Podcast Series, Environmental Defense Fund. <http://blogs.edf.org/health/2017/04/28/edf-health-podcast-you-make-me-sick-plasticizers-fast-food-and-your-urine/>

PROFESSIONAL ACTIVITIES

INVITED SCHOLARLY PRESENTATIONS

- 2019 Invited Presenter: “Investigating racial disparities in women’s health through a socio-exposome framework”, NIEHS Center for Children’s Environmental Health, Columbia University Mailman School of Public Health, New York City, NY.
- 2018 Invited Presenter: “Chemical exposures and consumer health: the case of uterine fibroids”, Council for the Advancement of Science Writing’s 56th New Horizons in Science Briefing, Washington, DC.
- 2018 Invited Symposium Presenter and Symposium Co-Chair: “Women’s Health and Environmental Justice”, Joint Meeting of the International Society of Exposure Science and International Society for Environmental Epidemiology, Ottawa, Canada, August 2018.
- 2018 Invited Panelist: “Scales of Environmental Justice: Building a Transformative Politics”, Harvard Mahindra Center Environmental Forum, Cambridge, MA.
- 2018 Invited Presenter: “Social disparities in the chemical environment and implications for women’s health”, Maryland Institute for Applied Environmental Health, University of Maryland College Park, College Park, MD.
- 2018 Invited Presenter: “Environmental injustice of beauty”, University of Wisconsin Oshkosh, Women’s Center. *Virtual presentation on International Women’s Day.*
- 2017 Invited Discussant: “Joint contribution of environmental and social stressors”, Workshop on building the field and identifying research priorities for the joint contribution of environmental and social determinants of health across the life course, Co-sponsored by the JPB Foundation and University of Albany, Saratoga Springs, NY.
- 2017 Invited Symposium Presenter: “Investigating racial/ethnic disparities in uterine fibroids through a socio-exposome framework”, International Society for Exposure Science Conference, Research Triangle Park, NC.
- 2017 Invited Symposium Presenter: “Association between persistent endocrine-disrupting chemicals (PBDEs, OH-PBDEs, PCBs, and PFASs) and biomarkers of inflammation and cellular aging during pregnancy and postpartum”, International Society for Exposure Science Conference, Research Triangle Park, NC.
- 2017 Invited Symposium Speaker. Global Regulation of Food Packaging Symposium, American Chemical Society National Meeting. Using National Biomonitoring Data to Understand the Contribution of Dietary Sources to Human Phthalates Exposures. Washington DC.

- 2017 Invited Symposium Speaker. Rutgers University, Environmental Justice and the Future of Environmental Health Research, “Social Disparities in EDC Exposures: Upstream Drivers and Potential Health Consequences”, New Brunswick, NJ.
- 2017 Invited Symposium Presenter and Session Chair: “Novel Methods for Examining Cumulative Chemical Exposures during Pregnancy”, Children’s Environmental Health Network Translational Research Conference, Arlington, VA.
- 2016 Invited Presenter. AAAS Science and Technology Policy Fellowship Program, Obesity: From Biology to Policy Conference, “The Role of Endocrine Disrupters in Chronic Disease”. Washington, DC.
- 2016 Invited Symposium Presenter and Symposium Co-Chair: “Environmental Exposures and Women’s Perinatal Health: Implications for Chronic Disease Risk”, Conference of the International Society of Environmental Epidemiology, Rome, Italy.
- 2016 Invited Presenter. US Food and Drug Administration Center for Food Safety and Nutrition, Phthalate Task Force, “Public Health Implications of Phthalates in Food”, Washington, DC.
- 2016 Invited Plenary Speaker. National Institute of Environmental Health Sciences, Environmental Health Science Fest. “Exposures Across the Life Course”, Durham, NC.
- 2015 Invited Presenter. NICHD Epidemiologic Branch, “Social and Environmental Determinants of Telomere Length across the Life Course”, Bethesda, MD.
- 2015 Invited Presenter. Harvard T.H. Chan School of Public Health, Department of Environmental Health. “Social Disparities and the Chemical Environment: Implications for Women’s Health”, Boston, MA.
- 2014 Invited Presenter. National Center for Health Statistics, “Temporal Trends in Phthalates Exposures: Findings from NHANES 2001-2010”, Hyattsville, MD.
- 2014 Invited Presenter. Workshop on Conceptualizing Environmental Exposures: From Data to Decision, “Translating Science into Policy: Opportunities and Challenges”, Philadelphia, PA.
- 2014 Invited Presenter. Conference of the International Society of Exposure Science. “Assessing Perceptual and Biological Measures of Chronic Stress Among Low Income, Ethnically Diverse Pregnant Women” (symposium), Cincinnati, OH.
- 2013 Invited Presenter. Conference on Environmental Health for Obstetricians and Gynecologists (hosted by the Mid-Atlantic Center for Children’s Health and the Environment, Children’s National Medical Center and George Washington University), “Perinatal Origins of Endocrine-Disruption: Unintended Consequences of our Consumer Environment”, Washington, DC.
- 2013 Invited Discussant. Roundtable on Environmental Health. Society of Environmental Journalists Annual Conference. Nashville, TN.

- 2012 Invited Presenter. California State University Northridge, Environmental and Occupational Health Technical Symposium entitled Regulating Environmental Pollutants: Perchlorates and Other Thyroid Active Chemicals”, Burbank, CA.
- 2012 Invited Presenter. George Washington University, Department of Environmental and Occupational Health Seminar. “Moving Towards Just Sustainability: Prenatal Origins of Environmental Health Disparities”, Washington, DC.
- 2012 Invited Presenter. Yale School of Public Health, Department of Environmental Health. “Prenatal Origins of Endocrine Disruption”, New Haven, CT.
- 2012 Invited Presenter. Emory University, Rollins School of Public Health, “Prenatal Origins of Endocrine Disruption: Unintended Consequences of our Consumer Environment”, Atlanta, GA.
- 2012 Invited Presenter. American Academy of Child and Adolescent Psychiatry Annual Meeting, “Reproductive Environmental Health and the PBDE Case Study”, San Francisco, CA.
- 2011 Invited Presenter. Green Science Policy Institute Flame Retardant Dilemma Symposium. “Halogenated Flame Retardants: Human Exposure and Epidemiology”, Berkeley, CA.
- 2011 Invited Presenter. UCSF, Department of Obstetrics, Gynecology, and Reproductive Sciences. “Prenatal Exposure to Endocrine Disruptors and Thyroid Hormone Disruption during Pregnancy”, San Francisco, CA.
- 2011 Invited Presenter. US Environmental Protection Agency Region IV, Healthy Hair Fair, “The Environmental Health Costs of Beauty”, San Francisco, CA.
- 2010 Invited Presenter. UCSF Program on Reproductive Health and the Environment, “PBDE Flame Retardants – Better than Flames?”, San Francisco, CA.
- 2010 Invited Presenter. UCSF Occupational and Environmental Health Nursing Program, “Advancing Environmental Health Research and Policy using NHANES Data”, San Francisco, CA.
- 2010 Invited Presenter. Conference of the International Society of Environmental Epidemiology and International Society of Exposure Science (joint conference). “Impact of Polybrominated Diphenyl Ethers (PBDEs) on Thyroid Hormone Levels among California Women during Second Trimester of Pregnancy” (symposium), Seoul, Korea.
- 2009 Invited Presenter. California Department of Public Health, Department of Toxic Substance Control, “The PBDE Burden in California: Sources, Exposures, and Potential Health Effects”, Berkeley, CA.
- 2009 Invited Presenter. Conference of the International Society of Exposure Science, “Cumulative Exposures to Thyroid Hormone Disrupting Compounds (PCBs and PBDEs) in Residential House Dust” (symposium), Minneapolis, Minnesota.

- 2008 Invited Presenter. Harvard School of Public Health, Department of Environmental Health, "Elevated House Dust and Serum Concentrations of PBDEs in California: Unintended Consequences of Furniture Flammability Standards?", Boston, MA.
- 2007 Invited Presenter. NIEHS Environmental Justice Grantee Conference, "Linking Breast Cancer with Environmental Justice", Boston, MA.

MAJOR PROFESSIONAL SERVICE

DEPARTMENT AND UNIVERSITY SERVICE

- 2018- Chair, Research Committee, GW Milken Institute SPH
- 2017- Member, Research Committee, GW Milken Institute SPH
- 2013 – Member, Curriculum Committee, Department of Environmental and Occupational Health, GWU SPHHS
- 2018 Grant Reviewer, Milken SPH Pilot Grant Program
- 2018 Abstract Reviewer and Poster Competition Judge, GW Research Day
- 2016 Invited Panelist, "Open Access in the Disciplines: A Conversation", hosted by the GW Libraries Scholarly Communication Committee
- 2016 Grader, DrPH Comprehensive Exams, EOH Department
- 2016 Invited Panelist, "Novel Methods to Improve Children's Health", part of the GW/ICF Research Forum Series
- 2016 Invited Presenter, Public Health Student Association (PHSA) Journal Club
- 2016 Invited Panelist, "Getting the Word Out: How to Maximize the Reach of Your Work" part of the Responsible Conduct of Research Lecture Series at GW
- 2015 Member, Big Data Task Force, GW Milken Institute SPH
- 2014 Member, Next Day Committee, GW Milken Institute SPH
- 2012 Invited Panelist, "Preparing a K99/R00 Award Application", UCSF Professional and Academic Success Skills Series, San Francisco, CA

PROFESSIONAL SOCIETY MEMBERSHIPS

International Society of Exposure Science (ISES - formerly ISEA)
International Society for Environmental Epidemiology (ISEE)
American Public Health Association (APHA)

SERVICE TO PROFESSIONAL SOCIETIES

- 2018- International Society of Exposure Science, *Publications Committee*
- 2014 International Society of Environmental Epidemiology and International Society of Exposure Science Annual Meeting, *Roundtable Discussion on Careers in Exposure Science for New Researcher and Student Group.*

- 2013 International Society of Environmental Epidemiology and International Society of Exposure Science Annual Meeting, *Member of Scientific Program Committee*
- 2010 International Society of Environmental Epidemiology and International Society of Exposure Science Annual Meeting, *Workshop Presenter on Grant Writing for New Researcher and Student Group.*
- 2008 International Society of Environmental Epidemiology and International Society of Exposure Science Annual Meeting, *Student Poster Competition Judge.*
- 2008 International Society of Environmental Epidemiology and International Society of Exposure Science Annual Meeting, *Abstract Reviewer.*
- 2007-2010 International Society of Exposure Science (ISES - formerly ISEA), *Board Member.*

NATIONAL SERVICE

- 2017- Project TENDR (Targeting Environmental Neuro-Developmental Risks), *Phthalates Working Group.*
- 2017 National Institutes of Health (jointly organized by NIEHS and NIA) workshop: Telomeres as sentinels for environmental exposures, psychosocial stress, and disease susceptibility, *Invited participant and session chair.*
- 2017 Children's Environmental Health Network's Research Conference, *Organized and chaired plenary session entitled, "Novel methods for examining cumulative chemical exposures during pregnancy".*
- 2016 International Society of Environmental Epidemiology, *Organized and chaired symposium entitled, "Environmental exposures and women's perinatal health: implications for chronic disease risk"*
- 2014 Endocrine Society and International POPs Elimination Network (IPEN), *Expert Working Group on Endocrine Disrupting Chemicals.*
- 2014 Prenatal Programming and Toxicity (PPTox) Conference, *Facilitated roundtable discussion entitled, "Communicating with the Public on Developmental Origins".*
- 2013 International Symposium on Flame Retardants, *Chaired session entitled, "Epidemiology of Flame Retardants"*
- 2011 Workshop on Brominated and Other Flame Retardants, *Abstract Review*
- 2011 Workshop on Brominated and Other Flame Retardants, *Scientific Advisory Panel.*

GRANT REVIEW

- 2019 NIH CSR Study Section Member (Mail In Reviewer), Systemic Injury by Environmental Exposure (SIEE), October 24 – 25, 2019.
- 2019 NIH CSR Study Section Member (Temporary), Systemic Injury by Environmental Exposure (SIEE), Feb 28 – Mar 1, 2019.
- 2018 Research Solicitations For US EPA National Priorities: Per- and Polyfluorinated

- Substances, *Peer Review*, Aug 1-3, 2018.
- 2018 NIH CSR Study Section Member (Temporary), Infectious Disease, Reproductive Health, Asthma, and Pulmonary Conditions Study Section (IRAP), Feb 5-6, 2018
- 2018 Harvard T.H. Chan School of Public Health, Kresge Center for Environmental Health Pilot Grant Program, *Ad Hoc Reviewer*, October 2018
- 2017 NIH CSR Study Section Member (Temporary), Kidney, Nutrition, Obesity, and Diabetes Study Section (KNOD), Feb 2-3, 2017
- 2016 Harvard T.H. Chan School of Public Health, Kresge Center for Environmental Health Pilot Grant Program, *Ad Hoc Reviewer*

SERVICE TO PROFESSIONAL PUBLICATIONS/PEER-REVIEW

- 2017 - Associate Editor, *Journal of Exposure Science and Environmental Epidemiology*
- 2017- Editorial Review Board, *Environmental Health Perspectives*
- 2017 - Editorial Board, *Environmental Epigenetics*
- 2006 - Ad hoc referee for 27 journals: *American Journal of Epidemiology*; *American Journal of Public Health*; *Atmospheric Environment*; *Chemosphere*; *Environmental Epigenetics*; *Environmental Health*; *Environmental Health Perspectives*; *Environment International*; *Environmental Research*; *Environmental Science & Technology*; *Fertility and Sterility*; *Health Affairs*; *Human Reproduction*; *International Journal of Environmental Research and Public Health*; *JAMA*; *Journal of Exposure Science and Environmental Epidemiology*; *Journal of Immigrant and Minority Health*; *Journal of Racial and Ethnic Health Disparities*; *Journal of Toxicology and Environmental Health*; *Journal of Women's Health*; *New Solutions*; *PLOS One*; *Pediatrics*; *Reproductive Toxicology*; *Science of the Total Environment*; *Toxicology and Applied Pharmacology*; *Women's Health*

TEACHING AND MENTORING

COURSES TAUGHT

- 2016 - Course Director, *Environmental and Occupational Epidemiology (online)*, George Washington University
- 2013 - Course Instructor, *Environmental and Occupational Epidemiology*, George Washington University (core course for the MPH degree in Environmental and Occupational Health)
- 2013 -2015 Course Instructor, *Culminating Experience in Environmental and Occupational Health*, George Washington University (core course for the MPH degree in Environmental and Occupational Health)
- 2012-2013 Course Instructor, *Environmental Epidemiology*, UCSF Department of Epidemiology and Biostatistics, San Francisco, CA.

GUEST LECTURES

- 2016, 2018 Foundations of Public Health Leadership and Practice – Doctoral Seminar
- 2014 - 2016 *Applied Data Analysis*, George Washington University SPH (core course for EOH department)
- 2014 - 2015 *Chronic Disease Epidemiology*, George Washington University SPH
- 2015 - 2017 *Health and Environment*, George Washington University SPH (undergraduate course)
- 2014 - 2018 *Maternal and Child Health I: Foundations*, George Washington University SPH
- 2013 - 2019 *Politics of Nature*, Harvard University (undergraduate course)
- 2017 - 2018 *Molecular Epidemiology*, George Washington University SPH
- 2013 *Nature and Well-being*, George Washington University SPH
- 2013 *Environmental Epidemiology*, University of California Davis
- 2011 *Introduction to Environmental Health*, City College of San Francisco, San Francisco, CA (part of the CCSF/Skyline College/SFSU Bridges to Baccalaureate Program).
- 2010 - 2012 *Introduction to Environmental Epidemiology*, University of California San Francisco, Reach the Decision Makers Fellowship Webinar, Oakland, CA.
- 2007 *Environmental Management I*, Harvard Extension School, Cambridge, MA

OTHER TEACHING (AS GRADUATE STUDENT)

- 2007 Teaching Assistant *Introduction to Geographic Information Systems using ArcGIS*, Harvard School of Public Health, Boston, MA
- 2004 - 2005 Teaching Assistant *Introduction to Environmental Health*, Harvard School of Public Health, Boston, MA
- 2004 Teaching Fellow, *Human Organism* (Undergraduate Core Curriculum Program) Harvard College, Cambridge, MA
- 2002 - 2003 Boston Schweitzer Fellow, Community Service Project at Massachusetts Coalition for Occupational Health and Safety, Boston, MA
Developed program curriculum; facilitated youth organizing program on labor rights and occupational health and safety using the “Train the Trainer” model

ADVISING

DOCTORAL LEVEL

- 2016 - Chair, Dissertation Committee. Suril Mehta. DrPH Candidate in Environmental and Occupational Health, GW MSPH. Thesis topic: Exposure to endocrine-disrupting chemicals and perinatal outcomes among overweight women.
- 2016-2019 Member, Dissertation Committee. Vidisha Parasram. DrPH Candidate in Environmental and Occupational Health, GW MSPH. Thesis topic: Assessing the resilience of the Charleston, West Virginia community after the 2014 Chemical Spill.

MASTERS OF PUBLIC HEALTH CULMINATING EXPERIENCE (CE)

- 2018-19 Samantha Ruth, MPH Candidate in Environmental and Occupational Health. CE topic: Prenatal and postnatal mercury exposure on neurodevelopment: A systematic review of the human evidence
- 2018-19 Emily Youner, MPH Candidate in Environmental and Occupational Health. CE topic: Does food security predict obesity and educational attainment: A systematic literature review
- 2017-18 Brianna VanNoy, MPH Candidate in Environmental and Occupational Health. CE topic: Breastfeeding as a predictor of serum concentrations of per- and polyfluorinated alkyl substances in reproductive-aged women and young children: A rapid systematic review
- 2017-18 Brittany Wagner, MPH Candidate in Environmental and Occupational Health. CE topic: Indoor PM2.5 in schools and asthma: A rapid systematic review
- 2016-17 Leigh Prezkop, MPH Candidate in Environmental and Occupational Health. CE topic: Examining dietary preferences and food consumption patterns of food insecure populations: implications for food loss recovery on farms.
- 2016-17 Laura Romano, MPH Candidate in Environmental and Occupational Health. CE topic: Exposure to environmental endocrine-disrupting chemicals and measures of chronic stress during pregnancy and postpartum period.
- 2016-17 Darah Wright, MD, MPH Candidate in Epidemiology. CE topic: Exposure to environmental endocrine-disrupting chemicals and weight gain during pregnancy.
- 2016-17 Thao Pham, MPH Candidate in Environmental and Occupational Health. CE topic: Occupational exposure to cleaning products and asthma: a systematic review.
- 2016-17 Nicole Chavis, MPH Candidate in Environmental and Occupational Health. CE topic: Early life exposure to soy products and uterine fibroids: a systematic review.
- 2016-17 Kelly Protzko, PA/MPH Candidate in Environmental and Occupational Health. CE topic: Lead exposures from traditional eye cosmetics among vulnerable populations: a systematic review.
- 2015-16 Alison Chiaramonte, MPH Candidate in Environmental and Occupational Health. CE topic: Thyroid hormone levels and prenatal PBDE exposures: a systematic review.

- 2015-16 Cassandra Phillips, MPH Candidate in Environmental and Occupational Health. CE topic: Fast food consumption and exposure to phthalates and bisphenol A. First prize for best poster at GW Research Day (Spring 2015). Recipient of the annual CE award in the EOH Global Environmental Health program.
- 2014-15 Sarah Scheinfeld, MPH Candidate in Environmental and Occupational Health. CE topic: Multi-media exposure assessment of manganese in infants during the first year of life living near a mining- related Superfund site.
- 2013-14 Amanda Price. MPH Candidate in Environmental and Occupational Health. CE topic: Maternal and placental telomere length and serum concentrations of PCBs and PBDEs among pregnant women.

STUDENT AWARDS AND FELLOWSHIPS

Dan Dinh: 2019 Clara Schiffer Masters Fellowship in Women's Health. Milken Institute School of Public Health, George Washington University (Role: Primary Mentor).

Brianna VanNoy: 2018 People's Choice Award for Best Student Poster at GW Research Day, Washington DC, 2018.

Brenda Trejo: 2017 Clara Schiffer Masters Fellowship in Women's Health. Milken Institute School of Public Health, George Washington University (Role: Primary Mentor).

Cassandra Phillips. Prize for Best Student Poster at GW Research Day, Washington DC, 2015.

PUBLIC HEALTH PRACTICE

SERVICE TO NON-GOVERNMENTAL ORGANIZATIONS (unpaid)

- 2018-present Science Advisory Board Member, Science Communication Network
- 2014-present Science Advisory Committee Member, Women's Voices for the Earth
- 2013 Report Reviewer, Women's Voices for the Earth
- 2010-2011 Board of Directors, Women's Voices for the Earth
- 2010-present Research Advisory Committee Member, California Nail Salon Collaborative
- 2010-present Science Advisory Panel Member, Breast Cancer Fund
- 2006-2009 Advisory Board Member, Environmental Leadership Program (New England)

TESTIMONIES AND BRIEFINGS

2019 California State Assembly (Standing Committee on Environmental Safety and Toxic Materials). Briefing for AB495: Toxic-free Cosmetics Act. Briefing organized by Environmental Working Group.

2018 Congressional Briefing on on Federal Cosmetic Safety Reform, Washington DC. "Scientific Concern Over Chemicals in Personal Care Products" (invited presenter). Briefing organized by Environmental Working Group.

- 2016 Congressional Briefing on on Federal Cosmetic Safety Reform, Washington DC. “Scientific Concern Over Chemicals in Personal Care Products” (invited presenter). Briefing organized by Campaign for Safe Cosmetics, Breast Cancer Fund, and American Sustainable Business Council.
- 2014 Briefing for Consumer Product Safety Commission Staff, Washington DC. “Public Health Concerns of Flame Retardants Used in Consumer Products” (invited presenter). Briefing organized by the Natural Resource Defense Council.
- 2013 Briefing for California Legislators and Legislative Staff, Sacramento, CA. “Flame Retardants: Gaining Clarity on a Complex Issue” (invited presenter). Briefing organized by Californians for Toxic-Free Fire Safety.
- 2012 California State Assembly (Standing Committee on Environmental Safety and Toxic Materials). Informational Hearing on California’s Furniture Flammability Standards and the Safety of Flame Retardant Chemicals, Sacramento, CA. “Public Health Consequences of Flame Retardant Chemicals” (invited testimony).

INVITED PRESENTATIONS TO NON-PROFIT ORGANIZATIONS, TRIBES, AND OTHER MULTI-STAKEHOLDER COLLABORATIVES

- 2019 Invited Presenter. Community briefing co-hosted by WE ACT for Environmental Justice and Columbia Center for Children’s Environmental Health. “Cosmetics and personal care products: Women and children’s health”. New York City, NY.
- 2018 Invited Presenter. National webinar organized by the Collaborative on Health and the Environment (CHE-Pioneers Under 40). “Forging New Intersections between Environmental and Reproductive Justice using Research and Advocacy.”
- 2017 Invited Panelist. “Scientists’ experience in communicating with the media”. National Science Communication Training for Environmental Health Sciences. International Society of Exposure Science.
- 2017 Invited Presenter. National webinar organized by the Collaborative on Health and the Environment (CHE-EDC). “Social disparities in phthalates exposures: implications for women’s health.”
- 2013 Invited Panelist. National webinar organized by Californians for Toxic-Free Fire Safety. “Disproportionate burden of flame retardant harm among socially vulnerable communities”.
- 2012 Organizer and Invited Presenter. National webinar co-hosted by Black Women for Wellness, UCSF Program for Reproductive Health and the Environment, Silent Spring Institute, WE ACT for Environmental Justice, National Healthy Nail and Hair Salon Alliance, and the Campaign for Safe Cosmetics. “Ethnic Personal Care Products” .
- 2012 Invited Panelist. National webinar hosted by the Collaborative on Health and the Environment. “Indoor Environments and Environmental Health Disparities”.
- 2011 Invited Presenter. The National Tribal Forum on Air Quality. “Air Quality and Health Impacts at the Tar Creek Superfund Site”, Spokane, WA.

- 2010 Invited Panelist. National webinar hosted by the Collaborative on Health and the Environment Webinar. "Flame Retardants: Emerging Science and Policy Considerations".
- 2010 Invited Presenter. Tribal Air Quality Conference. "Outdoor Air Pollution and Public Health", Quapaw, OK.
- 2009 Invited Presenter. Environmental Action Conference "Linking Environmental Justice with Breast Cancer Advocacy.", Boston, MA.
- 2008 Invited Presenter. Black Women and Breast Cancer Conference: Prevention, Disparities, and Wellness. "Environmental Racism and Breast Cancer", Boston, MA.
- 2007 Invited Keynote. Mayor's Health Task Force Breast Cancer Awareness Kick-Off Event. "Breast Health, the Environment, and Advocacy", Lawrence, MA.
- 2007 Invited Presenter. Local Environmental Action Demanded (L.E.A.D.) Agency Annual 9th National Conference on Tar Creek. "Tar Creek Children's Exposure Study", Miami, OK.
- 2006 Invited Presenter. Local Environmental Action Demanded (L.E.A.D.) Agency Annual 8th National Conference on Tar Creek. "Tar Creek Children's Exposure Study: Research Update", Miami, OK.

CLINICAL PRACTICE

- 2019 Invited Presenter, Environmental Health Symposium (CME credit available)
- 2012 Grand Rounds, Division of Occupational and Environmental Medicine, UCSF/UC Berkeley, San Francisco, CA.
- 2008 Grand Rounds, Department of Environmental Health, Harvard School of Public Health, Boston, MA.