PERSONAL DATA

Jordan Richard Kuiper
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Pronouns: he/him/his

EDUCATION AND TRAINING

Postdoctoral Fellow	2019 – 2020	Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD
Ph.D.	2019	Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD Environmental Health and Engineering
Predoctoral Trainee	2015 – 2019	Johns Hopkins Education & Research Center for Occupational Safety & Health, NIOSH Training Grant
M.S.	2015	St. Cloud State University, St. Cloud, MN Cell and Molecular Biology
B.E.S.	2013	St. Cloud State University, St. Cloud, MN Biology

PROFESSIONAL EXPERIENCE

George Washington University

Assistant Professor, Environmental and Occupational Health, The George Washington University Milken Institute School of Public Health

Johns Hopkins University

Assistant Scientist, Environmental Health and Engineering, Johns Hopkins Bloomberg School of Public Health, 08/2020 – present
Co-Director, Global Environmental Sustainability Concentration, Master of Public Health Program, Johns Hopkins Bloomberg School of Public Health, 08/2020 – present
Senator, Faculty Senate, Johns Hopkins Bloomberg School of Public Health, 09/2022 – present

Graduate Teaching Assistant, Environmental Health and Engineering, Johns Hopkins Bloomberg School of Public Health, 2015 – 2019

Saint Cloud State University

Graduate Teaching Assistant, Biology, St. Cloud State University, 2013 – 2015

HONORS AND AWARDS

2023	Fall 2023 GWSPH Research Innovation Award
2022	NIEHS Extramural Paper of the Month, December 2022
2022	Excellence in Teaching Recognition, Fourth Term, Global Environmental Sustainability and Health Seminar
2021	Excellence in Teaching Recognition, First Term, The Global Environment, Climate Change, and Public Health
2021	Excellence in Teaching Recognition, Fourth Term, Global Environmental Sustainability and Health Seminar
2020	Young Hearts Outstanding Research Award in Pediatric Cardiology (for analysis I performed and abstract I am co-first author on)
2020	Excellence in Teaching Recognition, Second Term, Global Environmental Sustainability and Health Seminar
2020	Excellence in Teaching Recognition, First Term, The Global Environment, Climate Change, and Public Health
2020	Inducted into Delta Omega National Public Health Honorary Society – Alpha Chapter
2015	Outstanding Thesis Nominee, Midwestern Association of Graduate Schools
2015	Distinguished Thesis Award (SCSU)
2015	Best Oral Presentation, Student Research Colloquium (SCSU)
2015	Student Research Funding Award (SCSU)
2014	Student Research Funding Award (SCSU)
2014	Best Oral Presentation, Runner Up, Student Research Colloquium (SCSU)

RESEARCH GRANT PARTICIPATION

Ongoing Support

Title:	Advanced therapeutic hypothermia efficacy network modeling in neonatal HIE
Proposed Dates:	07/2022 –06/2026
Sponsoring Agency:	NIH/NICHD
Principal Investigator:	Frances J Northington and Allen D Everett
Funding Level:	$3,933,258
Main Grant Objective:	Our proposal, involving 3 collaborating academic Neonatal Intensive Care Units, is to determine predictive models of therapeutic hypothermia (TH) efficacy in hypoxic ischemic encephalopathy (HIE). Using a holistic and integrative approach, including deep clinical and community-based data, and molecular biomarkers of multiple biologic pathways, analyzed within a fully connected parsimonious neural network will best describe relationships with longitudinal outcomes and be able to predict response to TH in individual patients. Completion of our aims will identify and then validate the clinical, socioeconomic, and molecular mechanisms driving clinical heterogeneity in HIE and response to TH and allow rapid deployment of a dynamic, precision-based model to optimize patient selection for future HIE adjunctive therapies.
Role:	Co-Investigator

Title:	Role of Cyclohexanone Toxicity in Mediating Congenital Cardiac Surgery Outcomes
Proposed Dates:	04/2022 – 03/2026
Sponsoring Agency:	NIH/NHLBI (1 R01 HL158593-01A1)
Principal Investigator:	Allen D. Everett

Funding Level: $1,844,763
Main Grant Objective: The primary objective of this project is to enhance the understanding of the impact that cyclohexanone, an industrial chemical used during medical plastics fabrication, has on cardiovascular and neurodevelopmental outcomes following congenital cardiac surgery in children.
Role: Co-Investigator

Title: Impact of Phthalate and Phenol Exposures on Congenital Heart Surgery Outcomes
Proposed Dates: 04/2022 – 03/2024
Sponsoring Agency: NIH/NIEHS (1 R21 ES033384-01A1)
Principal Investigator: Jordan R. Kuiper
Funding Level: $462,356
Main Grant Objective: The primary objectives of this project are to 1) characterize exposures to plasticizers in neonatal intensive care unit (NICU) settings, generally, and specifically during congenital cardiac surgeries involving cardiopulmonary bypass, and 2) evaluate relations of phthalate and phenol exposures with short-term post-operative morbidity/mortality as well as neurodevelopment at age 12 months.
Role: Principal Investigator

Title: Endocrine Disrupting Chemical Mixtures and Bone Health in Adolescence
Dates: 09/3/2021 - 06/30/2026
Sponsoring Agency: NIH/NIEHS (R01 ES033252)
Principal Investigator: Jessie P. Buckley
Funding Level: $682,322
Main Grant Objective: Low bone mineral density (BMD) during adolescence is associated with fractures in adolescence and adulthood as well as increased risk of osteoporosis, a chronic bone disease affecting more than 10 million older adults in the U.S. The majority of Americans are exposed to perfluoroalkyl substances, phthalates, and organophosphate esters, synthetic endocrine disrupting chemicals (EDCs) that have adverse skeletal effects in laboratory studies. In humans, these EDCs are associated with lower BMD in limited cross-sectional studies and prospectively associated with lower BMD at age 12 years in our preliminary data. However, few studies have assessed relationships of EDCs with bone health in adolescence, a period of rapid bone mineralization that may be highly sensitive to environmental exposures and is strongly predictive of adult BMD. Therefore, the overarching objective of our proposal is to determine whether exposure to individual EDCs or their mixtures causes reduced bone accrual and strength in adolescence.
Role: Co-Investigator

Previous Support

Title: Early Life Phthalate and Perfluoroalkyl Substance Exposures and Childhood Bone Health
Dates: 01/1/2019 - 11/30/2023
Sponsoring Agency: NIH/NIEHS (R01 ES030078)
Principal Investigator: Jessie P. Buckley

Funding Level: $311,670
Main Grant Objective: Early life exposures to common chemicals in consumer products and the environment may be related to worse bone growth and strength in children, which could increase the risk of fractures and osteoporosis. This project will examine phthalates and perfluoroalkyl substances in relation to height and bone density in children, and assess how vitamin D and calcium status may affect these relationships. Understanding whether environmental chemicals affect bone health may reveal new ways to promote strong and healthy bones throughout life.
Role: Co-Investigator

Title: ECHODAC (Environmental influences on Child Health Outcomes Data Analysis Center)
Dates: 09/21/2016 – 08/31/2023
Sponsoring Agency: NIH/OD (U24 OD023382)
Principal Investigator: Lisa Jacobson
Funding Level: $10,687,154
Main Grant Objective: The ECHO Program will create an extensive resource for elucidating the influence of environmental and genetic characteristics on child health outcomes and development. The JHU/RTI Data Analysis Center will advance ECHO research by providing state-of-the art study designs, data management and analyses, and by publicizing high quality, well documented ECHO data to promote informative analyses by the scientific community at-large.
Role: Investigator

Title: Public Health Priority Setting for Environmental Metals Mixtures and Birth Defects
Dates: 09/01/2018 – 05/31/2023
Sponsoring Agency: NIH/NIEHS (R01 ES029531)
Principal Investigator: Alexander P. Keil
Funding Level: $1,171,282
Main Grant Objective: The major goals of this projects are to identify optimal public health strategies to reduce birth defects resulting from exposure to a mixture of toxic metals in well water with a Bayesian causal inference framework.
Role: Investigator

PUBLICATIONS

** indicates co-first authorship*

Journal Articles, accepted

1. Oh J, Buckley JP, Li X, Gachigi KK, Kannan K, Lyu W, Ames JL, et al. 2023. Associations of organophosphate ester flame retardant exposures during pregnancy with gestational duration and fetal growth: The Environmental influences on Child Health Outcomes (ECHO) Program. *Environ Health Perspect* [in press].

2. Fleury ES, **Kuiper JR**, Buckley JP, Papandonatos GD, Cecil KM, Chen A, Eaton CB, Kalkwarf HJ, Lanphear BP, Yolton K, Braun JM. Evaluating the association between longitudinal exposure

to a PFAS mixture and adolescent cardiometabolic risk in the HOME Study. *Environ Epidemiol* [accepted].

3. Liu SH, Chen Y, **Kuiper JR**, Ho E, Buckley JP, Feuerstahler L. 2022. Applying latent variable models to estimate cumulative exposure burden to chemical mixtures and identify latent exposure subgroups: A critical review and future directions. *Stat Biosci* [in press].

4. **Kuiper JR**, Liu SH, Lanphear BP, Calafat AM, Cecil KM, Xu Y, Yolton K, Kalkwarf HJ, Chen A, Braun JM, Buckley JP. 2023. Estimating effects of longitudinal and cumulative exposure to PFAS mixtures on early adolescent body composition. *Am J Epimiol*, [in press].

5. Liu Y, Gairola R, **Kuiper JR**, Papandonatos GD, Kelsey KT, Langevin SM, Buckley JP, Chen A, Lanphear BP, Cecil KM, Yolton K, Braun JM. 2023. Lifetime postnatal exposure to perfluoroalkyl substance mixture and DNA methylation at twelve years of age. *Environ Sci Technol Lett*, [in press]. doi:10.1021/acs.estlett.3c00410.

6. Louis LM, Buckley JP, **Kuiper JR**, Meeker J, Hansel NN, Diette G, McCormack MC, Quiros-Alcala L. 2023. Exposures to organophosphate esters and respiratory morbidity among school-aged children with asthma. *Environ Sci Technol*, 57(16):6435-6443.

7. **Kuiper JR**, Shudi P, Lanphear BP, Calafat AM, Chen A, Cecil KM, Xu Y, Yolton K, Kalkwarf HJ, Braun JM, Buckley JP. 2023. Associations of maternal gestational urinary environmental phenols concentrations with bone mineral density among 12-year-old children in the HOME Study. *Int J Hyg Environ Health*, 248:114104. PMID: 36525700.

8. Etzel TM, **Kuiper JR**, Wang X, Mueller NT, Calafat AM, Cecil KM, Chen A, Lanphear BP, Yolton K, Kalkwarf HJ, Braun JM, Buckley JP. 2022. Associations of early life phthalate exposures with adolescent lipid levels and insulin resistance: The HOME Study. *Int J Hyg Environ Health*, 248:114102. doi:10.1016/j.ijheh.2022.114102.

9. Camerota M, McGowan E, Aschner J, Stroustrup A, Karagas M, Conradt E, Crowell S, et al.,. 2022. Prenatal and perinatal factors associated with neonatal neurobehavioral profiles in the ECHO program. *Pediat Res*, doi:10.1038/s41390-023-02540-2.

10. Choi G, Buckley JP, **Kuiper JR**, Keil AP. 2022. Log-transformation of independent variables: must we? *Epidemiol*, 33(6):843-853. PMID: 36220581.

11. **Kuiper JR**, Vuong AM, Lanphear BP, Calafat AM, Ospina M, Cecil KM, Xu Y, Yolton K, Kalkwarf HJ, Braun JM, Chen A, Buckley JP. 2022. Early life organophosphate ester exposures and bone health at age 12 years: The Health Outcomes and Measures of the Environment (HOME) Study. *Sci Tot Environ* [Epub Ahead of Print]. doi:10.1016/j.scitotenv.2022.158246.

12. Liu SH, **Kuiper JR**, Chen Y, Feuerstahler L, Teresi J, Buckley JP. 2022. Quantifying latent exposure burden to chemical mixtures using item response theory. *Environ Health Perspect*, 130(11):11700. doi: 10.1289/EHP10125.

13. Choi G, **Kuiper JR**, Bennett D, Barrett E, Bastain T, Breton C, Chinthakindi S, et al. 2022. Exposure to melamine and its derivatives and aromatic amines among pregnant women in the United States: The ECHO Program. *Environ Int*, doi:10.1016/j.chemosphere.2022.135599.

14. Buckley JP, **Kuiper JR**, Bennett D, Barrett E, Bastain T, Breton C, Chinthakindi S, et al. 2022. Exposure to contemporary and emerging chemicals in commerce among pregnant women in the United States: The Environmental Influences on Child Health Outcomes (ECHO) Program. J *Environ Sci Technol*, doi: 10.1021/acs.est.1c08942.

15. Etzel T, Braun JM, **Kuiper JR**, Calafat AM, Cecil KM, Chen A, Lanphear BP, Yolton K, Kalkwarf HJ, Buckley JP. 2022. Pregnancy and early childhood phthalate exposures and adolescent body composition: The HOME Study. *Obesity*, 212(Pt B):113320.

16. Louis LM, Quiros-Alcala L, **Kuiper JR**, Diette G, Hansel N, McCormack M, Meeker, Buckley JP. 2022. Variability and predictors of urinary organophosphate ester concentrations among urban school-aged children. *Environ Res*, 25(212 Pt A):113192.

17. **Kuiper JR**, O'Brien KM, Welch BM, Barrett ES, Nguyen RHN, Sathyanarayana S, Milne GL, Swan SH, Ferguson KK, Buckley JP. 2022. Combining urinary biomarker data from studies with different measures of urinary dilution. *Epidemiology*, doi: 10.1097/EDE.0000000000001496.

18. **Kuiper JR**, Braun JM, Calafat AM, Lanphear BP, Cecil KM, Chen A, Xu Y, Yolton K, Kalkwarf HJ, Buckley JP. 2021. Associations of pregnancy phthalate concentrations and their mixture with early adolescent bone mineral content and density: The Health Outcomes and Measures of the Environment (HOME) study. *Bone*. doi: 10.1016/j.bone.2021.116251

19. Buckley JP, **Kuiper JR**, Lanphear BP, Calafat AM, Chen A, Xu Y, Yolton K, Kalkwarf HJ, Braun JM. 2021. Associations of maternal serum perfluoroalkyl substances concentrations with early adolescent bone mineral content and density: The Health Outcomes and Measures of the Environment (HOME) Study. *Environ Health Perspect*, 129(9):97011. doi: 10.1289/EHP9424.

20. **Kuiper JR**, O'Brien M, Ferguson KK, Buckley JP. 2021. Urinary specific gravity measures in the U.S. population: Implications for the adjustment of non-persistent chemical urinary biomarker data. *Environ Int*. [Epub Ahead of Print].doi:10.1016/j.envint.2021.106656.

21. Soliai MM, Sundaresan AS, Morin A, Hirsch AG, Stanhope C, **Kuiper JR**, Schwartz BS, Ober C, Pinto J. 2021. Two-stage genome-wide associations study of chronic rhinosinusitis and disease subphenotypes highlights mucosal immunity contributing to risk. *Int Forum Allergy Rhinol*, 11(4):814-817.

22. **Kuiper JR**, Stapleton H, Wills-Karp M, Wang X, Burd I, Buckley JP. 2020. Predictors and reproducibility of urinary organophosphate ester metabolite concentrations during pregnancy and associations with birth outcomes in an urban population. *Environmental Health*, 19(1):55.

23. **Kuiper JR**, Hirsch AG, Bandeen-Roche K, Sundaresan AS, Tan BK, Kern RC, Schleimer RP, Schwartz, BS. 2020. A new approach to categorization of radiologic inflammation in chronic rhinosinusitis. *PLoS ONE*, 15(6): e0235432.

24. Hirsch AG, Nordberg C, Bandeen-Roche K, Tan BK, Schleimer RP, Kern RC, Sundaresan AS, Pinto JM, Kennedy TL, **Kuiper JR**, Schwartz BS. 2020. Radiologic sinus inflammation and symptoms of chronic rhinosinusitis in a population-based sample. *Allergy*, 75(4):911-920.

25. **Kuiper JR**, Hirsch AG, Bandeen-Roche K, Sundaresan AS, Tan BK, Kern RC, Schleimer RP, Schwartz BS. 2019. Workplace indirect cost impacts of nasal and sinus symptoms and related conditions. *JOEM*, 61(8):e333-e339.

26. Cole M, Bandeen-Roche K, Hirsch AG, **Kuiper JR**, Sundaresan AS, Tan BK, Schleimer RP, Kern RC, Schwartz BS. 2018. Longitudinal evaluation of clustering of chronic sinonasal and related symptoms using exploratory factor analysis. *Allergy*, 73(8):1715-1723.

27. **Kuiper JR**, Hirsch AG, Bandeen-Roche K, Sundaresan AS, Tan BK, Schleimer RP, Kern RC, Stewart WF, Schwartz BS. 2018. Prevalence, severity, and risk factors for acute exacerbations of nasal and sinus symptoms by chronic rhinosinusitis status. *Allergy*, 73(6):1244-1253.

28. **Kuiper JR**, Moran M, Cetkovic-Cvrlje M. 2016. Exposure to polychlorinated biphenyl-153 decreases incidence of autoimmune type 1 diabetes in non-obese diabetic mice. *J Immunotoxicol*, 13(6):850-860.

Journal articles, under review

1. Meeker JD, McArthur Kristen, Alshawabkeh AN, Barrett E, Brubaker SG, Cordero JF, Dabelea D, et al., **Kuiper JR**. Hypertensive disorders of pregnancy in the Environmental Influences on Child Health Outcomes (ECHO) Program. *Environ Int* [under review].

2. Lin JJY, **Kuiper JR**, Dickerson AS, Buckley JP, Volk HE, Rohlman DS, Lawrence KG, Braxton Jackson III W, Sandler DP, Engel LS, Rule AM. Associations of a toenail metal mixture with attention and memory in the Gulf Long-Term Follow-Up (GuLF) Study. *Sci Tot Environ* [under review].

3. Aziz K*, **Kuiper JR***, Jayakumar S, Parkinson C, Northington F, Everett A, Chavez-Valdez R. The impact of seizures on worsening brain injury after neonatal hypoxic ischemic encephalopathy: Interpretations from nervous system-specific serum biomarkers. *Annals Neurol* [under review]

4. Smirnova E, Zhong Y, Alsaadawi R, Ning X, Kress A, **Kuiper JR**, Zhang M, et al., Missing data interpolation in integrative multi-cohort analysis with disparate covariate information. *Biostat* [in preparation].

5. **Kuiper JR***, Park CY*, Buckley JP, Ellis G, Bembea MM, Graham D, Graham EM, Everett AD. Effects of cyclohexanone contamination of medical plastics on congenital heart surgery outcomes. *Annals of Thorac Surg* [in preparation].

SCHOLARLY PRESENTATIONS

Posters / Oral Presentations / Published Abstracts

May 2024	**Kuiper JR**, Aziz K, Chen H, Spahic H, Brooks S, Fung C, Northington F, Everett AD, Chavez-Valdez R. Serum BDNF and VEGF levels during the first week of life in well-grown and intrauterine growth restricted neonates. Pediatric Academic Societies. Toronto, Canada.
May 2024	Jayakumar S, **Kuiper JR**, Kress A, Keiser A, Northington F, Chavez-Valdez R, Gerner G, Burton JV. Neurodevelopmental outcomes of neonates with hypoxic-ischemic encephalopathy: the role of neighborhood disadvantage. Pediatric Academic Societies. Toronto, Canada.

May 2024	Jayakumar S, **Kuiper JR**, Kress A, Keiser A, Northington F, Chavez-Valdez R, Gerner G, Burton JV. Cognitive outcomes among neonates with hypoxic-ischemic encephalopathy treated with hypothermia: the impact of socioeconomic vulnerability. Pediatric Academic Societies. Toronto, Canada.
March 2024	Jayakumar S, **Kuiper JR**, Kress A, Keiser A, Northington F, Chavez-Valdez R, Gerner G, Burton JV. Neurodevelopmental outcomes of neonates with hypoxic-ischemic encephalopathy: the role of neighborhood disadvantage. Eastern Society for Pediatric Research. Philadelphia, PA.
January 2024	Zhao E*, **Kuiper JR***, Ellis G, Graham D, Everett AD, Bembea M. Cyclohexanone Exposures in the PICU. Society of Critical Care Medicine. Phoenix, Arizona.
November 2023	Gupta R*, **Kuiper JR***, Buckley JP, Russell M, Ellis G, Graham EM, Graham DRM, Everett AD. Perioperative cyclohexanone exposure during neonatal congenital heart surgery potentiates brain injury. American Heart Association. Philadelphia, PA.
June 2023	Marquess K, Etzel T, Lanphear BP, Hoofnagle A, Cecil KM, Chen A, Xu Y, Yolton K, Kalkwarf HJ, Braun JM, **Kuiper JR**, Buckley JP. Cross-sectional associations of urinary phthalate and serum PFAS biomarkers with serum total 25 hydroxyvitamin D levels in childhood: The HOME Study. Society for Pediatric Research. Portland, Oregon.
June 2023	Marquess K, Etzel T, Lanphear BP, Hoofnagle A, Cecil KM, Chen A, Xu Y, Yolton K, Kalkwarf HJ, Braun JM, **Kuiper JR**, Buckley JP. Cross-sectional associations of urinary phthalate and serum PFAS biomarkers with serum total 25 hydroxyvitamin D levels in childhood: The HOME Study. International Society for Environmental Epidemiology – North American Chapter. Corvallis, Oregon.
June 2023	Zhou J, **Kuiper JR**, Lanphear BP, Cecil KM, Chen A, Xu Y, Yolton K, Kalkwarf HJ, Braun JM, Buckley JP. Per- and polyfluoroalkyl substances and bone mineral content in early adolescence: modification by diet and physical activity. International Society for Environmental Epidemiology – North American Chapter. Corvallis, Oregon.
June 2023	Etzel T, **Kuiper JR**, Kalkwarf HJ, Yolton K, Cecil KM, Chen A, Lanphear BP, Braun JM, Buckley JP. Associations of childhood phthalate exposures with bone health at age 12 years: The HOME Study. International Society for Environmental Epidemiology – North American Chapter. Corvallis, Oregon.
June 2023	Gigot C, **Kuiper JR**, Pisanic N, Spicer K, Kruczynski K, Hall D, Heaney CD. SARS-CoV-2 and other respiratory viruses among industrial livestock operation workers, North Carolina, 2021-2022. International Society for Environmental Epidemiology – North American Chapter. Corvallis, Oregon.
June 2023	Ames JL, Feng J, Avalos LA, Barrett E, Bastain TM, Bennett D, Buckley JP, et

al. Exposure to organophosphate ester flame retardants and plasticizers (OPEs) during pregnancy and autism-related outcomes. International Society for Environmental Epidemiology – North American Chapter. Corvallis, Oregon.

June 2023 Choi G, Braun JM, **Kuiper JR**, Chen A, Cecil KM, Xu Yingying, Kalkwarf J, Yolton K, Lanphear BP, Buckley JP. Effects of a lead hazard control intervention during pregnancy on adolescent height and bone mineral density. International Society for Environmental Epidemiology – North American Chapter. Corvallis, Oregon.

May 2023 Ames JL, Hamra GB, Burjak M, Feng J, Avalos LA, Bastain TM, Bennett D, et al. Prenatal exposure to endocrine-disrupting chemicals and childhood autism-related outcomes. International Society of Autism Research. Stockholm, Sweden.

September 2022 **Kuiper JR**, Vuong AM, Lanphear BP, Calafat AM, Ospina M, Cecil KM, Xu Y, Yolton K, Kalkwarf HJ, Braun JM, Chen A, Buckley JP. Early life organophosphate ester exposures and bone health at age 12 years: The Health Outcomes and Measures of the Environment (HOME) Study. International Society for Environmental Epidemiology. Athens, Greece.

September 2022 **Kuiper JR**, Braun JM, Liu SH, Lanphear BP, Cecil KM, Xu Y, Yolton K, Kalkwarf HJ, Chen A, Buckley JP. Latent profiles of early life perfluoroalkyl substances exposure and body composition at age 12 years: The Health Outcomes and Measures of the Environment (HOME) Study. International Society for Environmental Epidemiology. Athens, Greece.

September 2022 Liu SH, **Kuiper JR**, Chen Y, Feuerstahler L, Teresi J, Buckley JP. Developing an exposure burden score for chemical mixtures using item response theory, with applications to PFAS mixtures. International Society for Environmental Epidemiology. Athens, Greece.

September 2022 Buckley JP, **Kuiper JR**, Lanphear BP, Calafat AM, Cecil KM, Chen A, Xu Y, Yolton K, Kalkwarf HJ, Braun JM. Cumulative exposure to per- and poly-fluoroalkyl substance mixtures from pregnancy to age 12 years and bone health in early adolescence: the HOME Study. International Society for Environmental Epidemiology. Athens, Greece.

August 2021 **Kuiper JR**, Vuong AM, Braun JM, Lanphear BP, Cecil KC, Calafat AM, Ospina M, Xu Y, Yolton K, Kalkwarf HJ, Chen A, Buckley JP. Gestational organophosphate ester exposures and bone mineral density in early adolescence: The HOME Study. International Society for Environmental Epidemiology. New York, New York.

August 2021 Etzel TM, Braun JM, **Kuiper JR**, Yolton K, Cecil KM, Chen A, Lanphear BP, Kalkwarf HJ, Buckley JP. Gestational and early childhood phthalate exposures and adolescent body composition: The HOME Study. International Society for Environmental Epidemiology. New York, New York.

August 2021 Louis LM, Buckley JP, **Kuiper JR**, Romero K, Woo H, Diette GB, Hansel NN, McCormack MC, Meeker J, Quiros Alcala L. Organophosphate ester (OPE) exposures and asthma morbidity among urban school-aged children in Baltimore

City, Maryland. International Society for Environmental Epidemiology. New York, New York.

August 2021 Buckley JP, **Kuiper JR**, Lanphear BP, Cecil KM, Chen A, Xu Y, Yolton K, Kalkwarf HJ, Braun JM. Identifying periods of susceptibility to perfluoroalkyl substances and bone mineral density in early adolescence: The HOME Study. International Society for Environmental Epidemiology. New York, New York.

August 2021 Buckley JP, **Kuiper JR**, et al. Widespread exposure to emerging and previously unmeasured chemicals in commerce in pregnant women across the US. International Society for Environmental Epidemiology. New York, New York.

December 2020 **Kuiper JR**, Ferguson KK, O'Brien KM, Buckley JP. Correcting urinary biomarkers for hydration status using specific gravity: A comparison of methods using NHANES 2007-2008. Society for Epidemiologic Research Annual Meeting. Boston, Massachusetts.

December 2020 **Kuiper JR** and Buckley JP. Associations of prenatal urinary organophosphate ester concentrations with birth outcomes: A pilot study. Society for Epidemiologic Research Annual Meeting. Boston, Massachusetts.

November 2020 Park CY, **Kuiper JR***, Buckley JP, Ellis G, Graham D, Graham EM, Everett AD. Cyclohexanone contamination of medical plastics is associated with worse congenital heart surgery outcomes. American Heart Association Annual Conference. *Co-first author; abstract selected as recipient of 2020 Young Hearts Outstanding Research in Pediatric Cardiology Award.

August 2020 **Kuiper JR**, Braun JM, Lanphear BP, Cecil KM, Chen A, Yolton K, Kalkwarf HJ, Buckley JP. Gestational phthalate exposures and bone mineral density in early adolescence: the HOME Study. International Society for Environmental Epidemiology. Washington, D.C.

August 2020 Buckley JP, **Kuiper JR**, Lanphear BP, Cecil KM, Chen A, Yolton K, Kalkwarf HJ, Braun JM. Gestational perfluoroalkyl substance exposures and early adolescent bone mineral density in the HOME study. International Society for Environmental Epidemiology. Washington, D.C.

August 2020 Etzel T, Braun JM, **Kuiper JR**, Yolton K, Cecil KM, Chen A, Lanphear BP, Kalkwarf HJ, Buckley JP. Prenatal phthalate exposures and anthropometry during adolescence: the HOME study. International Society for Environmental Epidemiology. Washington, D.C.

November 2019 **Kuiper JR** and Buckley JP. Predictors and variability of organophosphate esters (OPEs) during pregnancy and associations with birth outcomes: A pilot study in Baltimore, MD. Mid-Atlantic Nutrition Obesity Research Center (NORC) Symposium. Baltimore, MD.

June 2018 **Kuiper JR**, Hirsch AG, Bandeen-Roche K, Sundaresan AS, Schleimer RP, Schwartz BS. Nasal and sinus symptoms: chronic rhinosinusitis and other risk factors for workplace absenteeism and presenteeism. Society for Epidemiologic Research. Baltimore, MD.

Invited Seminars

September 2023	*Exposed and vulnerable: endocrine disrupting chemicals and children's environmental health.* The George Washington University Milken Institute School of Public Health, Department of Global Health.
December 2022	*Exposed and vulnerable: endocrine disrupting chemicals and children's environmental health.* The George Washington University Milken Institute School of Public Health, Department of Environmental and Occupational Health.
November 2021	*Approaches for combining urinary biomarker data*. The Infant Development and Environment Study (TIDES) Leadership Committee. Seattle Children's Research Institute: Center for Health, Behavior, and Development
March 2018	*Epidemiology: Biologists in Public Health*. St. Cloud State University, Department of Biology Seminar Series. St. Cloud, MN.

SERVICE AND PROFESSIONAL ACTIVITIES

University Service

GWU School of Public Health

2023 – Member, Admissions Committee

GWSPH Environmental and Occupational Health Department

2023 – Director, Global Environmental Health MPH Program

Professional Societies

2020 –	Delta Omega National Public Health Honorary Society – Alpha Chapter
2019 –	International Society for Environmental Epidemiology (ISEE)
2018 –	Society for Epidemiologic Research (SER)
2014 –	American Public Health Association

EDITORIAL ACTIVITIES

Peer Review Activities for Journals

Chemosphere
Circulation
Ecotoxicology and Environmental Safety
Environmental Health
Environmental Health Perspectives
Environment International
Environmental Research
Environmental Science and Technology
International Journal of Hygiene and Environmental Health

Journal of the American Heart Association
Journal of Clinical Endocrinology and Metabolism
Journal of Exposure Science and Environmental Epidemiology
Paediatric and Perinatal Epidemiology
PLOS One
Science of the Total Environment
Toxics

TEACHING AND MENTORING

Classroom Instruction

Course Director/Course Instructor

GWU

Year	Enrollment	Course Title
2023	20	Environmental and Occupational Epidemiology (PubH 6121)

JHU

Year	Enrollment	Course Title
2022	31	Global Sustainability and Health Seminar (188.688) (2nd term)
2022	37	Global Environment, Climate Change, and Public Health (180.611)
2022	15	Global Sustainability and Health Seminar (188.688) (4th term)
2021	32	Global Sustainability and Health Seminar (188.688) (2nd term)
2021	44	Global Environment, Climate Change, and Public Health (180.611)
2021	11	Global Sustainability and Health Seminar (188.688) (4th term)
2020	19	Global Sustainability and Health Seminar (188.688) (2nd term)
2020	48	Global Environment, Climate Change, and Public Health (180.611)

Guest Lectures

JHU

Year	Course Title	Lecture Title
2022	Exposure Sciences for Health Risk Assessment (182.617)	*Missing Data*
2022	Child Health Epidemiology (380.616.01)	*Environmental Toxins and Child Health*

2022	Molecular Epidemiology and Biomarkers in Public Health (180.640)	*Special Topics in Analysis of Biomarker Data*
2021	Exposure Sciences for Health Risk Assessment (182.617)	*Missing Data*
2020	Exposure Sciences for Health Risk Assessment (182.617)	*Missing Data*
2019	Global Sustainability & Health Seminar (188.688)	*Adaptation to Climate Change in Small Island Developing States*
2019	A Built Environment for a Healthy and Sustainable Future (188.682)	*The Role of Metrics*
2019	A Built Environment for a Healthy and Sustainable Future (188.682)	*Health Impact Assessments*
2019	Climate Change and Public Health (180.607)	*Understanding the Syrian Conflict*
2018	Global Environment, Climate Change, and Public Health (180.611)	*The Coming Era of "Tough" Energy*
2018	Global Environment, Climate Change, and Public Health (180.611)	*The Built Environment and Public Health*
2018	Global Environment, Climate Change, and Public Health (180.611)	*Measuring Sustainability*
2018	Global Environment, Climate Change, and Public Health (180.611)	*Built Environment-Responses*
2018	A Built Environment for a Healthy and Sustainable Future (188.682)	*The Role of Metrics*
2018	A Built Environment for a Healthy and Sustainable Future (188.682)	*Health Impact Assessments*
2018	Global Sustainability & Health Seminar (188.688)	*Climate Change Among the Ignored and Forgotten*
2018	Climate Change and Public Health (180.607)	*Understanding the Syrian Conflict*
2017	A Built Environment for a Healthy and Sustainable Future (188.682)	*The Role of Metrics*
2017	A Built Environment for a Healthy and Sustainable Future (188.682)	*Health Impact Assessments*

2017	Climate Change and Public Health (180.607)	*Understanding the Syrian Conflict*
2017	Global Sustainability and Health Seminar (188.688)	*Artificial Intelligence and Sustainability*
2017	Global Sustainability and Health Seminar (188.688)	*Climate Change and the Syrian Conflict*

Teaching Assistantships

JHU

Year	**Term**	**Course Title**
2018	Fall	*Global Sustainability and Health Seminar (188.688)*
2018	Summer	*Environmental Health (180.601)*
2018	Summer	*Climate Change and Public Health (180.607)*
2018	Spring	*Global Sustainability and Health Seminar (188.688)*
2018	Spring	*A Built Environment for a Healthy and Sustainable Future (188.682)*
2017	Fall	*Global Sustainability and Health Seminar (188.688)*
2017	Summer	*Climate Change and Public Health (180.607)*
2017	Summer	*Environmental Health (180.601)*
2017	Spring	*Global Sustainability and Health Seminar (188.688)*
2017	Spring	*A Built Environment for a Healthy and Sustainable Future (188.682)*
2017	Spring	*Climate Change and Public Health (180.607)*
2016	Summer	*Environmental Health (180.601)*

SCSU

2015	Summer	*Cell Function and Inheritance*
2015	Spring	*Cell Function and Inheritance*
2015	Spring	*Public Health Controversies*

Academic Advisees

JHU

Toby Turla	MHS, Environmental Health and Engineering	2022 – 2023
Wahito Njau	MHS, Environmental Health and Engineering	2022 – 2023
Sarah Jafaar	MHS, Environmental Health and Engineering	2021 – 2022
Joshua Voorhees	MPH, Online/Part-Time	2020 – 2023
William Hines	MPH, GESH Concentration	2020 – 2021

Capstone/Thesis Advisees/Second Readers*

JHU

Toby Turla	MHS, Environmental Health and Engineering	2022 – 2023
Felix Sarpong	MPH, Online/Part-Time	2022 – 2023
Maria Hamm	MPH, Online/Part-Time	2021
Sarah Jafaar	MHS, Environmental Health and Engineering	2021 – 2022
Joshua Voorhees	MPH, Online/Part-Time	2020 – 2023
William Hines	MPH, GESH Concentration	2020 – 2021
Shudi Pan*	ScM, Environmental Health and Engineering	2020 – 2021
Patrick Tyczynski	MPH, Online/Part-Time	2020 – 2021
Isabelle Wang*	MHS, Environmental Health and Engineering	2020 – 2021

Doctoral Oral Exam Committee

JHU

Melissa DeSantiago	PhD, Environmental Health and Engineering	2022
Elsie Moore	PhD, Environmental Health and Engineering	2021

Doctoral Thesis Committee

JHU

Emma Moynihan	PhD, Environmental Health and Engineering	2021