Curriculum Vitae

KYLIE WHEELOCK RILEY
302-528-3211

Work
Department of Environmental Health Sciences
Mailman School of Public Health
Columbia University
722 W 168th St. 12th Floor
New York, NY 10032
kmw2189@cumc.columbia.edu

Education

Degrees

2019 - 2025 **DrPH in Environmental Health Sciences**, Mailman School of Public Health, Columbia University, New York, NY

Dissertation: Environmental Health Monitoring of Air Pollutants and Flame Retardants: Measurement, Communication, and Health Implications
Advisor: Julie Herbstman, PhD

2013 - 2015 **Master of Public Health, Environmental Health Sciences**, Certificate in Toxicology, Mailman School of Public Health, Columbia University, New York, NY

Thesis: The Effects of Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) on Lipid Levels and Thyroid Hormones in Cord Blood Samples from Baltimore, Maryland
Advisor: Julie Herbstman, PhD

2008-2012 **Bachelor of Science, Environmental Science and Technology**, Concentration in Environmental Health Sciences, University of Maryland, College Park, MD

Certifications Certified in Public Health, National Board of Public Health Examiners, # 12898

Experience

Public Health Experience

8/2019 - 5/2025 Graduate Student, Julie Herbstman, PhD, Department of Environmental Health Sciences, Mailman School of Public Health, Columbia University, New York, NY

6/2015- Present — Program Coordinator, Columbia Center for Children's Environmental Health (CCCEH), Department of Environmental Health Sciences, Mailman School of Public Health, Columbia University, New York, NY

- Manage a variety of public health research projects, domestically and globally, including the administration and submission of grants, IRB applications and compliance, study design and implementation.
- Domestic
  - Coordinate site for National Institutes of Health Environmental Influences on Child Health Outcomes grant, which utilizes 3 of CCCEH's NYC cohorts to collaborate with 80 other birth cohorts across the country.
- International
  - Jagiellonian University Birth Cohort, Krakow, Poland

2/2015-5/2015 — Labs Intern, Delos/ International Well Building Institute, New York, NY

- Completed literature review of human and animal health effects associated with hazardous building materials including PVC, asbestos, and PCBs
- Assisted with writing and source checking of the Well Building Standard and Wellography documents
- Corresponded with internal groups to coordinate, compile, and organize peer reviewed comments into a succinct document for the public to view

6/2015-8/2015 — Science Intern, U.S. Environmental Protection Agency, Region 2 Office, New York, NY

- Conducted comprehensive literature review of Perfluorinated Compounds to assess human health risks in support of potential enforcement Order of Consent to be taken by the Regional Council Office
- Collaborated closely with Resource Conservation and Recovery Act project managers to update Corrective Action status on approximately 250 Brownfield sited in New York and New Jersey
- Corresponded with state environmental departments to review Perfluorinated Compound data used in risk assessment

Teaching Experience

Fall 2021 — Graduate Teaching Fellow, Columbia University
Molecular Epidemiology (EHSC P8307)

Fall 2014 — Graduate Teaching Assistant, Columbia University
Biological and Environmental Determinants of Health (EHSC P6300)

Fall 2011 — Undergraduate Teaching Assistant, University of Maryland, College Park
Introduction of the Student to the University (UNIV 100)

Peer-Reviewed Publications

Published and In Press

1. **Wheelock, K**., Zhang, J.J., McConnell, R., Tang, D., Volk, H.E., Wang, Y., Herbstman, J.B., Wang, S., Phillips, D.H., Camann, D. and Gong, J., 2018. A novel method for source-specific hemoglobin adducts of nitro-polycyclic aromatic hydrocarbons. Environmental Science: Processes & Impacts, 20(5), pp.780-789.
2. Sochacka-Tatara, E., Majewska, R., Perera, F.P., Camann, D., Spengler, J., **Wheelock, K.**, Sowa, A., Jacek, R., Mróz, E. and Pac, A., 2018. Urinary polycyclic aromatic hydrocarbon metabolites among 3-year-old children from Krakow, Poland. *Environmental research*, *164*, pp.212-220.
3. Perera, F.P., **Wheelock, K.**, Wang, Y., Tang, D., Margolis, A.E., Badia, G., Cowell, W., Miller, R.L., Rauh, V., Wang, S. and Herbstman, J.B., 2018. Combined effects of prenatal exposure to polycyclic aromatic hydrocarbons and material hardship on child ADHD behavior problems. *Environmental research*, *160*, pp.506-513.
4. Majewska, R., Pac, A., Mróz, E., Spengler, J., Camann, D., Mrozek-Budzyn, D., Sowa, A., Jacek, R., **Wheelock, K.** and Perera, F.P., 2018. Lung function growth trajectories in non-asthmatic children aged 4–9 in relation to prenatal exposure to airborne particulate matter and polycyclic aromatic hydrocarbons–Krakow birth cohort study. *Environmental research*, *166*, pp.150-157.
5. Durham, T., Margolis, A., Pagliaccio, Garcia, W., **Riley, K. W.**, Guo, J., . . . Herbstman, J. B. (2019). Self-perceived neighborhood quality and children's depression symptoms in a gentrifying northern manhattan. *International Journal of Child Health and Human Development, 12*(4), 413-424.
6. Wang, Y., Perera, F., Guo, J., **Riley, K.W**., Durham, T., Ross, Z., Ananth, C.V., Baccarelli, A., Wang, S. and Herbstman, J.B., 2021. A methodological pipeline to generate an epigenetic marker of prenatal exposure to air pollution indicators. *Epigenetics*, pp.1-9.
7. Guo, J., **Riley, K. W.**, Durham, T., Margolis, A. E., Wang, S., Perera, F., & Herbstman, J. B. (2022). Association studies of environmental exposures, DNA methylation and children's cognitive, behavioral, and mental health problems. *Frontiers in Genetics*, *13*, 871820.
8. **Riley, K. W.**, Burke, K., Ureno, M., & Calero, L. (2023). Factors that influence environmental health literacy from returning polycyclic aromatic hydrocarbon exposure results. *International Public Health Journal*, *15*(3), 317-331.
9. **Riley, K. W.**, Guo, J., Wang, S., Factor-Litvak, P., Miller, R. L., Andrews, H., ... & Herbstman, J. B. (2024). Cohort Profile: The Mothers and Newborns (MN) Cohort of the Columbia Center for Children's Environmental Health. *International Journal of Epidemiology*, *53*(1).
10. **Riley, K. W.**, Burke, K., Dixon, H., Holmes, D., Calero, L., Barton, M., ... & Rohlman, D. (2024). Development and Outcomes of Returning Polycyclic Aromatic Hydrocarbon Exposure Results in the Washington Heights, NYC Community. *Environmental Health Insights*, *18*, 11786302241262604.
11. Perera, F., Miao, Y., Ross, Z., Rauh, V., Margolis, A., Hoepner, L., **Riley, K.W.**, Herbstman, J. and Wang, S., (2024). Prenatal exposure to air pollution during the early

and middle stages of pregnancy is associated with adverse neurodevelopmental outcomes at ages 1 to 3 years. *Environmental Health*, 23(1), p.95.

12. Lau, K., Guo, J., Miao, Y., Ross, Z., **Riley, K.W.**, Wang, S., Herbstman, J. and Perera, F., (2024). Major air pollution and climate policies in NYC and trends in NYC air quality 1998–2021. *Frontiers in Public Health*, 12, p.1474534.

Book chapters

1. Perera, F., **Wheelock, K**., 2019. Prenatal Exposure to Polycyclic Aromatic Hydrocarbons (PAHs). In: Nriagu, J. (Ed.), Encyclopedia of Environmental Health. Elsevier, vol. 5, pp. 353–363.

Conference Abstracts, Posters and Presentations

1. **Wheelock, K.**, Bokhari, N., Wang, Y., Tung, M., Wang, S., Perera, F., Herbstman, J. Prenatal Triclosan Exposure and Thyroid Hormones Measued at Birth. Poster Presentation. International Society of Environmental Epidemiology Annual Meeting: Ottawa, Canada. August 26-30, 2018.

Awards

1. Environmental Health Science (EHS) Exemplary Teaching Award (Doctoral), April 2022
2. Community Engagement Award (awarded for project promoting community engaged research) in Break the Cycle Program Cohort 17, April 2022

Skills

Computer Skills: R; Microsoft Office; EndNote; Zotero; REDCap
Research: Grant submission; IRB application; Study management