

## EDUCATION

---

- Ph.D.**                      **University of North Carolina**, Chapel Hill, NC                      2015 – 2020  
Gillings School of Global Public Health  
Department: Environmental Sciences and Engineering  
Minor: Epidemiology  
*Dissertation:* Associations between toxic metals and preeclampsia: an interdisciplinary approach to understanding disease etiology
- B.S.**                      **University of Michigan**, Ann Arbor, MI                      2011 – 2015  
College of Literature, Sciences, and the Arts  
Major: Neuroscience / Minor: Linguistics  
With Highest Honors, Phi Beta Kappa

## PROFESSIONAL EXPERIENCES

---

- National Institute of Environmental Health Sciences**, Durham, NC  
Perinatal & Early Life Epidemiology Group / Epidemiology Branch  
IRTA Postdoctoral Fellow, Mentor: Kelly Ferguson  
April 2020 – Present
- Gillings School of Global Public Health at UNC**, Chapel Hill, NC  
Department of Environmental Sciences and Engineering  
Graduate Research Assistant, Fry Lab  
August 2015 – January 2020
- University of Michigan School of Public Health**, Ann Arbor, MI  
Department of Environmental Health Sciences  
Research Assistant, Rozek Lab  
May 2014 – August 2015
- University of Washington School of Public Health**, Seattle, WA  
Department of Occupational and Environmental Health Sciences  
Environmental Health Research Experience Program Fellow, Costa Lab  
June 2014 – August 2014

## TEACHING EXPERIENCE

---

- University of North Carolina, Chapel Hill  
ENVR 601: Epidemiology for Environmental Health Scientists  
Guest Lecturer, Spring 2018
- University of North Carolina, Chapel Hill  
ENVR 630: Systems Biology in Environmental Health  
Teaching Assistant, Fall 2017

**MENTORING**

---

Jeliah Clark, PhD Student	2019 – 2020
<ul style="list-style-type: none"> <li>Helped plan and guide student through analysis of arsenic metabolism and birth outcomes, with a focus on how one carbon metabolism nutrients may modify associations between prenatal arsenic exposure and birth outcomes.</li> </ul>	
Cinthya Plazas, Undergraduate Student	2019 – 2020
<ul style="list-style-type: none"> <li>Trained student in sterile cell culture techniques and basic lab skills.</li> </ul>	

**AWARDS AND HONORS**

---

National Institute of Environmental Health Sciences NC SOT PARC Award Finalist, First Place (\$300)	2020
University of North Carolina, Chapel Hill Institute of Environmental Health Solutions (IEHS) Trainee	2019 – 2020
NIEHS Environmental Biostatistics T32 Trainee	2015 – 2019
Superfund Research Program P42 Trainee	2015 – 2017
Leon Golberg Travel Award (\$1000)	2018
University of Michigan James B. Angell Scholar (x 7)	2011 – 2014
University Honors (x 7)	2011 – 2014
William J. Branstrom Freshman Prize	2012

**SELECTED PUBLICATIONS**

---

- Bommarito, P.A.**, Welch, B.M., Keil, A.P., Cantonwine, D.A., McElrath, T.F., Ferguson, K.K. (2021). Prenatal Exposure to Consumer Product Chemical Mixtures and Size for Gestational Age at Delivery. *Environmental Health*. [Accepted].
- Bulka, C.M., **Bommarito, P.A.**, Fry, R.C. (2020). Cadmium and Lead Exposures in Relation to Cytomegalovirus in the U.S. Population. *Environmental Epidemiology*. doi: 10.1097/EE9.000000000000100.
- Kim, S.S., Meeker, J.D., Keil, A.P., Aung, M.T., **Bommarito, P.A.**, Cantonwine, D.E., McElrath, T.F., Ferguson, K.K. (2019). Exposure to 17 Trace Metals in Pregnancy and Associations with Urinary Oxidative Stress Biomarkers. *Environmental Research*. doi: 10.1016/j.envres.2019.108854.
- Tomlinson, M.S. & **Bommarito, P.A.**, George, A., Yelton, S., Cable, P., Coyte, R., Karr, J., Vengosh, A., Gray, K.M., Fry, R.C. (2019). Assessment of Inorganic Contamination of

Private Well Water in Stokes County, North Carolina and Demonstration of Effective Filter-Based Intervention. *Environmental Research*. doi: 10.1016/j.envres.2019.108618.

5. Bulka, C.M., **Bommarito, P.A.**, Fry, R.C. (2019). Predictors of Toxic Metal Exposures among US Women of Reproductive Age. *Journal of Exposure Science and Environmental Epidemiology*. doi: 10.1038/s41370-019-0152-3.
6. **Bommarito, P.A.**, Kim, S.S., Meeker, J.D., Fry, R.C.,...Ferguson, K.K. (2019). Urinary Trace Metals, Maternal Circulating Angiogenic Biomarkers, and Preeclampsia in the LIFECODES Prospective Birth Cohort: A Single-Contaminant and Mixture-Based Approach. *Environmental Health*. doi: 10.1186/s12940-019-0503-5.
7. **Bommarito, P.A.**, Beck, R., Douillet, C., Del Razo, L.M., Garcia-Vargas, G.G.,...Fry, R.C. (2019). Evaluation of Plasma Arsenicals as Potential Biomarkers of Exposure to Inorganic Arsenic. *Journal of Exposure Science and Environmental Epidemiology*. doi: 10.1038/s41370-019-0121-x.
8. **Bommarito, P.A.**, Xu, X., Gonzalez-Horta, C., Sanchez-Ramirez, B.,...Fry, R.C. (2018). One-Carbon Metabolism Nutrient Intake and the Association between Body Mass Index and Urinary Arsenic Metabolites in Adults in the Chihuahua Cohort. *Environment International*. doi: 10.1016/j.envint.2018.12.004.
9. **Bommarito, P. A.**, Martin, E., & Fry, R. C. (2017). Effects of prenatal exposure to endocrine disruptors and toxic metals on the fetal epigenome. *Epigenomics*, 9(3), 333-350.

## PEER-REVIEWED BOOK CHAPTERS

---

1. **Bommarito, P.A.**, Fry, R.C. DNA Methylation and Gene Expression (2018). McCullough: Epigenetic Toxicology: Core Principles and Application.

## MEMBERSHIPS

---

Phi Beta Kappa	2014 – Present
Society of Toxicology (SOT)	2017 – Present
International Society for Environmental Epidemiology (ISEE)	2018 – Present
U.S. Developmental Origins of Health and Disease (DOHaD) Society	2018 – 2019

## PROFESSIONAL ENGAGEMENT

---

ISEE 2021 Annual Meeting, Abstract Reviewer	2021
NIH Science Policy Discussion Group, Member	2021 – Present
SOT Risk Assessment Specialty Subcommittee, Graduate Student Representative	2017 - 2020

Ad Hoc Reviewer

- Scientific Reports
- Journal of the American Heart Association (JAHA)
- Environmental Research