

# Megan L. Woodbury

[Northeastern staff profile](#)  
[m.woodbury@northeastern.edu](mailto:m.woodbury@northeastern.edu)

## RESEARCH INTERESTS

Prenatal exposures and neurodevelopment, neurotoxicology, environmental epidemiology, environmental health, public health, endocrine disrupting chemicals, drugs and supplements, interactive effects of exposures

## EDUCATION

### PhD in Neuroscience

October 2021

University of Illinois at Urbana-Champaign

*Dissertation:* "Evaluating the relationship between prenatal exposure to acetaminophen and phthalates and early attention and language development"

*Advisor:* Dr. Susan Schantz

### BS in Biology & BA in Psychology, *summa cum laude*

2014

Northern Illinois University, DeKalb, Illinois

## RESEARCH EXPERIENCE

### Postdoctoral Research Associate, Northeastern University

2021 – Present

*PROTECT Center, College of Engineering*

- Current projects
  - Associations of environmental phenols and non-nutritive suck in two Environmental influences on Child Health Outcomes (ECHO) cohorts
  - Associations of newborn anogenital distance (as a proxy for in utero androgen levels) and non-nutritive suck in two ECHO cohorts
  - Investigating the relationship between non-nutritive suck and behavior in early childhood using the Child Behavior Checklist - 1.5-5 (CBCL)
  - Analytical framework for multivariate mediation analysis of the prenatal exposome, endogenous lipid mediators, and infant neurodevelopment
    - Associations between prenatal maternal PFAS and bioactive lipids in three ECHO cohorts
    - Associations between prenatal maternal PFAS, gestational phthalate exposure, and bioactive lipids in two ECHO cohorts
    - Associations of prenatal maternal PFAS and bioactive lipids with infant neurodevelopment in three ECHO cohorts
- Participate in and lead ECHO Program writing teams for proposed publications
- Harmonize data from the Puerto Rico Testsite for Exploring Contamination Threats (PROTECT), the Chemicals in Our Bodies (CiOB), and the Illinois Kids Development Study (IKIDS) cohorts for proposed analyses utilizing non-nutritive suck and eye tracking data as measures of infant neurodevelopment
- Conduct data analyses using multivariate statistics, regression, and meta-analysis techniques
- Aid in coding of survey data for future projects (i.e., setting up code to reverse-score items on the Perceived Stress Scale and the Center for Epidemiologic Studies Depression Scale and calculate total scores; directing data manager in preparing code to calculate scores for the CBCL)

### Graduate Research Assistant, University of Illinois at Urbana-Champaign

2015 – 2021

*Schantz Lab, Illinois Kids Development Study*

2018 – 2021

*Neuroscience Program*

- Projects in progress
  - Associations of prenatal acetaminophen exposure with (1) early language development, (2) attention in early childhood, and (3) infant anogenital distance
  - Associations of prenatal phthalate exposure with (4) early language development and (5) attention in early childhood
  - Associations of gestational paraben exposure and behavior in early childhood

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- Worked with other members of IKIDS to study the relationship between exposure to chemicals common in the environment during prenatal development on neurodevelopmental outcomes in children
- Aided collaborators at the University of California San Francisco in troubleshooting eye tracking equipment and data extraction
- Used multivariate statistics and regression analyses to evaluate the relationship between exposures and outcomes measured by IKIDS
- Trained employees and undergraduate research assistants to help with data entry and preparing for and assisting with participant visits
- Administered cognitive tests using eye tracking technology to infants and children and computer- and tablet-based cognitive assessments to children
- Interviewed parents about the health and development of their child
- Measured non-nutritive sucking in infants for a collaboration with the Zimmerman Speech and Neurodevelopment Lab at Northeastern University

*Eubig Lab*

2015 – 2017

*Neuroscience Program*

- Designed and implemented the novel object recognition paradigm for a project collaboration with Dr. Mary Gilbert of the Environmental Protection Agency studying the effects of maternal thyroid hormone insufficiency during the perinatal period on offspring learning and memory in a rodent model of maternal subclinical hypothyroidism
- Examined the effects of developmental exposure to methamphetamine on attention and impulsive behavior in the 5-choice serial reaction time task and delay-discounting task; also studied the effects of administration of dopaminergic drugs on behavior in the 5-choice serial reaction time task in these animals in collaboration with Drs. Chip Vorhees and Michael Williams of Cincinnati Children's Hospital
- Collaborated with Dr. Megan Mahoney on a project studying the effects of circadian disruption on impulsive behavior in the 5-choice serial reaction time task and the neurochemical mechanisms of acetylcholine and dopamine in the behavioral effects of circadian disruption

## PUBLICATIONS

**Woodbury ML**, Geiger SD, Schantz SL. The relationship of prenatal acetaminophen exposure and attention-related behavior in early childhood. *Neurotoxicology and Teratology*. 2024; 101:107319. DOI: [10.1016/j.ntt.2024.107319](https://doi.org/10.1016/j.ntt.2024.107319)

**Media coverage:** [University of Illinois Urbana-Champaign press release](#), [Health Day](#), [EurekAlert!](#), [US News](#), [MSN.com](#), [Drugs.com](#), [Medical Xpress](#), [WTAX-Springfield \(Springfield, Illinois radio station\)](#), [WCIA-3 \(Champaign, Illinois\)](#)

Eick SM, Ortlund K, Aguiar A, Merced-Nieves FM, **Woodbury ML**, Milne GL, Schantz SL. Associations between oxidative stress biomarkers during pregnancy and infant cognition at 7.5 months. Accepted for publication in *Developmental Psychobiology*.

**Woodbury ML**, Cintora P, Ng SH, Hadley PA, Schantz SL. The association of prenatal acetaminophen exposure and early language development. *Pediatric Research*. 2023 DOI: [10.1038/s41390-023-02924-4](https://doi.org/10.1038/s41390-023-02924-4)

**Media coverage:** [Northeastern Global News](#), [University of Illinois Urbana-Champaign press release](#), [CBS News Chicago](#), [Fox 32 Chicago](#), [NBC-5 Chicago](#), [WCIA-3 \(Champaign, Illinois\)](#), [WAND-TV \(Decatur, Illinois\)](#), [NewsGazette \(Champaign, Illinois\)](#), [WBEZ-Chicago \(Chicago's NPR news station\)](#), [Health Day](#), [EurekAlert!](#), [Parents.com](#), [US News](#), [PhillyVoice](#), [AOL](#), [Neuroscience News](#), [Health Tech World](#), [Hindustan Times](#), [MSN.com](#), [Drugs.com](#), [ScienceDaily](#), [Medical Daily](#), [Medical Xpress](#), [NBC Bay Area News](#), [NBC New York](#), [NBC Washington DC](#), [NBC Connecticut](#), [NBC 5 Dallas-Fort Worth](#), [NBC San Diego](#), [NBC Miami](#), [NBC Los Angeles](#)

Enright EA\*, Eick SM\*, Morello-Frosch R, Aguiar A, **Woodbury ML**, Spowles JLN, Geiger S, Trowbridge J,

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Andrade A, Smith S, Park JS, DeMicco E, Padula, Woodruff TJ, Schantz SL. Associations of prenatal exposure to per- and polyfluoroalkyl substances (PFAS) with measures of cognition in 7.5-month-old infants. *Neurotoxicology and Teratology*. 2023; 98:107182. DOI: [10.1016/j.ntt.2023.107182](https://doi.org/10.1016/j.ntt.2023.107182)

\*Authors contributed to publication equally

Zimmerman E, Gachigi KK, Rodgers RF, Watkins DJ, **Woodbury M**, Cordero JF, Alshawabkeh A, Meeker JD, Huerta-Montañez G, Rosario Pabon Z, Hines M, Velez-Vega CM, Camargo Jr. CA, Zhu Y, Nozadi SS, Comstock SS, Hockett C, Tarwater PM, and on behalf of Program Collaborators for Environmental Influences on Child Health Outcomes. Association Between Quality of Maternal Prenatal Food Source and Preparation and Breastfeeding Duration in The Environmental influences on Child Health Outcome (ECHO) Program. *Nutrients*. 2022; 14(22):4922. DOI: [10.3390/nu14224922](https://doi.org/10.3390/nu14224922)

Zimmerman E\*, Aguiar A\*, Aung MT, Geiger SD, Hines M, **Woodbury ML**, Martens A, Huerta-Montañez G, Cordero JF, Meeker JD, Schantz SL, Alshawabkeh A, and on behalf of Program Collaborators for Environmental Influences on Child Health Outcomes. Examining the association between prenatal maternal stress and infant non-nutritive suck. *Pediatric Research* (2021).

DOI: [10.1038/s41390-021-01894-9](https://doi.org/10.1038/s41390-021-01894-9)

\*Authors contributed to publication equally

**Woodbury ML\***, Dzwilewski KLC\*, Aguiar A, Korrick SA, Merced-Nieves F, Schantz SL (2021).

Associations of prenatal exposure to phthalates with measures of cognition in 7.5-month-old infants. *Neurotoxicology*. 84: 84-95. DOI: [10.1016/j.neuro.2021.03.001](https://doi.org/10.1016/j.neuro.2021.03.001)

\*Authors contributed to publication equally

**Media coverage:** [University of Illinois Urbana-Champaign press release](#), [WCIA-3 \(Champaign, Illinois\)](#)

Balachandran RC, Hatcher KM, **Sieg ML**, Sullivan EK, Molina LM, Mahoney MM, Eubig PA (2020). Pharmacological Challenges Examining the Underlying Mechanism of Altered Response Inhibition and Attention Due to Circadian Disruption in Adult Long-Evans Rats. *Pharmacology, Biochemistry and Behavior*. 193: 172915. DOI: [10.1016/j.pbb.2020.172915](https://doi.org/10.1016/j.pbb.2020.172915)

Balachandran R, **Sieg ML**, Tran CTQ, Clancy B, Beaudin S, Eubig PE. (2019). Cholinergic and Dopaminergic Interactions Alter Attention and Response Inhibition in Long-Evans Rats Performing the 5-Choice Serial Response Time Task. *Pharmacology, Biochemistry and Behavior*. 175:160-173. DOI: [10.1016/j.pbb.2018.10.006](https://doi.org/10.1016/j.pbb.2018.10.006)

Köppen JR, Stuebing SL, **Sieg ML**, Blackwell AA, Blankenship PA, Cheatwood JL, Wallace DG. (2016). Cholinergic deafferentation of the hippocampus causes non-temporally graded retrograded amnesia in an odor discrimination task. *Behavioural Brain Research*. 299: 97-104. DOI: [10.1016/j.bbr.2015.11.021](https://doi.org/10.1016/j.bbr.2015.11.021)

## MANUSCRIPTS

**Woodbury ML\***, Aguiar A\*, Aung MT, Geiger SD, Ng, S, Calafat AM, Watkins DJ, Schantz SL, Cordero J, Meeker J, Alshawabkeh AN, Zimmerman E\*, and on behalf of Program Collaborators for Environmental Influences on Child Health Outcomes. Associations of non-nutritive suck and gestational phenol exposure in full-term infants from two US birth cohorts. Will be submitted to *Environment International*.

\*Authors contributed to publication equally

**Woodbury ML**, Zimmerman E, Aguiar A, Aung MT, Geiger SD, Lam T, Hines M, Gao G, Huerta-Montañez G, Rosario-Pabón Z, Schantz SL, Cordero J, Meeker J, Alshawabkeh AN, and on behalf of Program Collaborators for Environmental Influences on Child Health Outcomes. Examining the association between infant anogenital distance (AGD) and non-nutritive suck. In prep.

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**Woodbury ML**, Suthar H, Manea T, Pak D, Eick SM, Cathey A, Watkins DJ, Strakovsky RS, Ryva BA, Pennathur S, Zeng L, Weller D, Park J, Smith S, DeMicco E, Padula A, Fry R, Mukherjee B, Aguiar A, Geiger SD, Ng S, Huerta-Montanez G, Velez-Vega C, Rosario Z, Cordero JF, Zimmerman E, Woodruff TJ, Morello-Frosch R, Schantz SL, Meeker JD, Alshawabkeh A, Aung MT, and on behalf of Program Collaborators for Environmental Influences on Child Health Outcomes. Associations of bioactive lipids and infant non-nutritive suck in two ECHO cohorts. In prep.

Varshavsky JR, Meeker JD, Zimmerman E., **Woodbury ML**, Aung MT, Rosario-Pabon ZY, Velez-Vega CM, Cordero JF, Alshawabkeh A, Eick SM. Association of phenols, parabens, and their mixture with maternal blood pressure measurements in the PROTECT cohort. Submitted to *Environmental Health Perspectives*.

Eick SM, Ortlund K, Aguiar A, **Woodbury ML**, Merced Nieves F, Milne GL, Schantz SL. Associations between oxidative stress biomarkers during pregnancy and infant cognition at 7.5 months. Submitted to *Developmental Psychobiology*.

Huff KK, Bulka CM, Wu G, Adgent MA, Alshawabkeh AN, Talavera-Barber MM, Bekelman TA, Chuey MR, Cordero JF, Cowell WJ, Duberstein ZT, Elliott AJ, Enquobahrie DA, Ghassabian A, Jacobson MH, Karagas MR, Kautz A, Lester BM, Ma T, McEvoy CT, McKane P, McKee KS, Meeker JD, Nguyen RHN, O'Connor TG, Perng W, Simhan HN, Swan SH, Torshizi GD, **Woodbury ML**, Wright RJ, Galai N, Erhardt S, O'Shea TM, Fry RC, and on behalf of Program Collaborators for Environmental Influences on Child Health Outcomes. Prenatal Over-the-Counter Acetaminophen Use is Associated with Lower Birthweight in ECHO Cohorts. Submitted to *Pediatrics*.

Dzwilewski KLC, Merced-Nieves F, **Woodbury ML**, Strakovsky R, Aguiar A, Schantz SL. Cohort profile: Illinois Kids Development Study (IKIDS). Will be submitted to *BMJ Open* upon completion of cohort recruitment.

## PRESENTATIONS

Oh J, Quiros-Alcala L, Li X, Kannan K, Lyu W, Avalos L, Barrett E, Bastain T, Buckley J, Choi G, Cintora P, Croen L, Dunlop A, Ghassabian A, Habre R, Herbstman J, Hernandez-Castro I, Hertz-Picciotto I, Karagas M, Liang D, O'Connor T, Sathyanarayana, Schantz S, Schmidt R, Schweitzer J, Starling A, Volk H, **Woodbury M**, Woodruff T, Zhao Q, Zhu Y, Bennett D. Prenatal exposure to organophosphate ester flame retardants and behavioral outcomes in early childhood: The Environmental influences on Child Health Outcomes (ECHO) Program. (August 2023). Oral presentation at the International Society of Exposure Science 2023 Annual Meeting. Chicago, IL.

Cintora C, **Woodbury M**, Geiger S, Gao X, Morello-Frosch R, Quirós-Alcalá L, Wosu A, Dunlop A, Bastain T, Starling A, Dabelea D, Camargo C, Lin P-I, Kelly R, Ferrara A, Croen L, O'Connor T, Schantz S. Association between prenatal exposures to per- and polyfluoroalkyl substances (PFAS) and early language development in the ECHO Cohort. (August 2023). Oral presentation at the International Society of Exposure Science 2023 Annual Meeting. Chicago, IL.

**Woodbury ML**, Cintora P, Ng S, Hadley PA, Schantz SL. Examining the relationship of acetaminophen use during pregnancy with early language development in children. (June 2023) Oral presentation at the Developmental Neurotoxicology Society Meeting. Charleston, SC.

**Woodbury ML**, Cintora P, Geiger SD, Schantz SL. Associations of exposure to parabens during pregnancy with behavior in early childhood. (2023, June) Poster presentation at the inaugural International Society of Environmental Epidemiology North American Chapter Conference. Corvallis, OR.

Huff KK, Bulka CM, Wu G, Adgent MA, Alshawabkeh AN, Baker BH, Talavera-Barber MM, Bekelman TA, Cordero JF, Cowell W, Duberstein ZT, Elliott AJ, Enquobahrie DA, Ghassabian A, Karagas MR, Kautz A, Lester BM, Ma T, McEvoy CT, McKee KS, Meeker JD, Nguyen RHN, O'Connor TG, Perng W, Porucznik CA, Sathyanarayana S, Simhan HN, Swan SH, **Woodbury ML**, Galai N, Ehrhardt S, O'Shea TM, Fry RC, on

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behalf of program collaborators for Environmental influences on Child Health Outcomes. Prenatal over-the-counter acetaminophen use is associated with lower birthweight in ECHO cohorts. (2023, June) Poster presentation at the Society for Pediatric and Perinatal Epidemiologic Research 2023 Annual Meeting. Portland, OR.

**Woodbury ML**, Zimmerman E, Aguiar A, Aung MT, Geiger SD, Watkins DJ, Ng S, Cordero JF, Meeker JD, Alshawabkeh AN, Schantz SL. Associations of non-nutritive suck and gestational phenol exposure in full-term infants from two US birth cohorts. (2023, April) Poster presentation at the Pediatric Academic Societies 2023 Meeting. Washington, DC.

**Woodbury ML**, Zimmerman E, Aguiar A, Aung MT, Geiger SD, Watkins DJ, Ng S, Huerta-Montañez G, Cordero JF, Meeker JD, Schantz SL, Alshawabkeh AN. Evaluating the relationship between prenatal exposures and non-nutritive suck as an early indicator of neurodevelopment. (2023, March) Oral presentation part of a paper symposium entitled "Effects of Environmental Exposures on Birth and Early developmental Outcomes" (organized by Dr. Sara Nozadi) at the Society for Research in Child Development Biennial Meeting. Salt Lake City, UT.

**Woodbury ML**, Zimmerman E, Aguiar A, Aung MT, Geiger SD, Watkins DJ, Ng S, Cordero JF, Meeker JD, Alshawabkeh AN, Schantz SL. Associations of non-nutritive suck and gestational phenol exposure in full-term infants from two US birth cohorts. (2023, March) Poster presentation at the Dysphagia Research Society Annual Meeting. San Francisco, CA.

**Woodbury ML**, Dzwilewski KLC, Cintora P, Ng S, Calafat A, Hadley P, Schantz SL. The relationship between pregnancy phthalate exposure and language development at 2 years of age. (2022, September) Pecha Kucha presentation at the International Society for Environmental Epidemiology Meeting. Athens, Greece.

**Woodbury ML**, Zimmerman E, Aguiar A, Aung M, Geiger S, Watkins D, Ng S, Calafat A, Cordero J, Meeker J, Alshawabkeh A, Schantz SL. Associations of exposure to phenols during pregnancy with non-nutritive suck in full-term infants in two US birth cohorts. (2022, September) Oral presentation at the International Society for Environmental Epidemiology Meeting. Athens, Greece.

**Woodbury ML**, Geiger S, Schantz SL. Association of prenatal acetaminophen exposure with attention at 2 and 3 years. (2022, June) Oral presentation at the Developmental Neurotoxicology Society Meeting. Virtual due to COVID-19.

**Woodbury ML**, Geiger S, Schantz SL. Association of prenatal acetaminophen exposure with attention at 2 and 3 years. (2022, April) Poster presented at the Research, Innovation, Scholarship and Entrepreneurship (RISE) Expo at Northeastern University. Virtual due to COVID-19.

**Woodbury ML**, Geiger S, Schantz SL. Associations of prenatal phthalate exposure and child behavior at 2 and 3 years of age. (2022, January) Poster presented at the International Conference on Prenatal Programming and Toxicity. Virtual due to COVID-19.

Dzwilewski KLC, **Woodbury ML**, Aguiar A, Merced-Nieves FM, Calafat AM, Korrick SA, Schantz SL. Associations of prenatal exposure to phthalates with measures of cognition in 7.5-month-old infants. (2020, August) Virtual due to COVID-19.

Created poster which was presented by Aguiar, A. at the International Society for Environmental Epidemiology.

**Sieg Woodbury ML**, Dzwilewski KLC, Merced-Nieves FM, Sprowles JL, Musaad S, Aguiar A, Schantz SL. Greater exposure to acetaminophen during the first trimester is associated with poorer language development in boys, but not girls, at 2 years of age. Accepted for presentation at the Developmental Neurotoxicology Society Meeting in June 2020 in Charleston, SC. Canceled due to COVID-19.

**Sieg ML**, Sprowles JL, Aguiar A, Schantz SL. Association between prenatal exposure to environmental phenols and attention to the eyes in 7.5-month-old infants (2019, November) Poster Presented the University of Illinois Interdisciplinary Environmental Toxicology Program Open House. Urbana, IL.

**Sieg ML**, Sprowles JL, Aguiar A, Schantz SL. Association between prenatal exposure to environmental phenols and attention to the eyes in 7.5-month-old infants (2019, June) Poster Presented at Developmental Neurotoxicology Society Meeting. San Diego, CA.

**Sieg ML**. Association between prenatal exposure to environmental phthalates and phenols and attention to eyes



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in 7.5-month-old infants (2019, May) Oral presentation at the University of Illinois Interdisciplinary Environmental Toxicology Program Seminar Series. Urbana, IL.

**Sieg ML.** Exploring the effects of prenatal exposure to phthalates and acetaminophen on social cognition and language development (Spring 2018) Oral presentation at the University of Illinois Interdisciplinary Environmental Toxicology Program Seminar Series. Urbana, IL.

**Sieg ML,** Balachandran RC, Clancy BM, Jablonski SA, Williams MT, Vorhees CV, Eubig PA. The effects of postnatal exposure of methamphetamine in male Sprague-Dawley rats on attention, compulsivity, and impulsivity in the 5-choice serial reaction time task (2017, December) Poster presented at Midwest Brain, Behavior, and Immunity Meeting. Chicago, IL.

**Sieg ML,** Townes CA, Balachandran RC, Gilbert ME, Eubig PA. Maternal hormone insufficiency affects short-term object recognition memory in adult offspring of Long-Evans rats (2017, November) Poster presented at Society for Neuroscience Annual Meeting. Washington, D.C.

**Sieg ML,** Townes CA, Balachandran RC, Gilbert ME, Eubig PA. Maternal hormone insufficiency affects short-term object recognition memory in adult offspring of Long-Evans rats (2017, June) Poster presented at Developmental Neurotoxicology Society Annual Meeting. Denver, CO.

**Sieg ML,** Townes CA, Balachandran RC, Gilbert ME, Eubig PA. Maternal hormone insufficiency affects short-term object recognition memory in adult offspring of Long-Evans rats (2017, May) Poster session presented at Midwest Society of Toxicology Spring Meeting. Mundelein, IL.

**Sieg ML,** Townes CA, Balachandran RC, Gilbert ME, Eubig PA. Maternal hormone insufficiency affects short-term object recognition memory in adult offspring of Long-Evans rats (2017, Apr) Poster session presented at University of Illinois College of Veterinary Medicine Research Day. Urbana, IL.

**Sieg ML.** "Maternal hormone insufficiency affects short-term object recognition memory in adult offspring of Long-Evans rats" (2017, Apr) Oral presentation at the Indiana University Animal Behavior Conference. Bloomington, IN.

**Sieg ML.** "Effects of maternal hormone insufficiency on short-term object recognition memory in adult offspring," (2017, Jan) Oral presentation at the University of Illinois Neuroscience First Year Project Presentations. Urbana, IL.

**Sieg ML,** Townes CA, Balachandran RC, Gilbert ME, Eubig PA. The effects of developmental hypothyroidism on short-term object recognition memory (2016, March) Poster session presented at Indiana University Animal Behavior Conference. Bloomington, IN

## TEACHING AND MENTORING

### Instructor in Bouvé College of Health Sciences

Summer 2022, 2023

*Speech-Language Pathology Master's Program, Northeastern University*

- SPLA 6420: Practical Statistics for Speech-Language Pathology and Audiology
- Course description: Introduces basic concepts in data collection, organization, and analysis using statistical methods with an overall focus on profession-specific application and interpretation.

### High School AP Research Project Mentor

Spring 2021

*University of Illinois Urbana-Champaign & Woodstock High School*

Meghan McCann, "Quantifying the risk posed to children in district 200 schools by exposure to quaternary ammonium compounds in disinfectant products"

Feedback from Meghan's AP Research teacher, Mr. Mike Kim: "THANK YOU so much for your invaluable help with this. I was so thrilled that Meghan was able to find an expert adviser. She spoke highly of you, and just this past week, she successfully presented her research project to our evaluation panel and impressed us all."

### Admissions Test Prep 101 Instructor

Summer 2020

*Department of Diversity, Equity, and Inclusion, University of Illinois Graduate College*

- Instructed undergraduates in preparation for the analytical writing portion of the GRE
- Created lesson plans based on test prep books provided and the needs of students

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- Critiqued students' essays using the GRE scoring guide

## **Summer Research Opportunities Program Co-Coordinator**

**Summer 2020**

*Department of Diversity, Equity, and Inclusion, University of Illinois Graduate College*  
Position offered and accepted, program cancelled due to COVID-19.

## **Undergraduate Senior Thesis Mentor**

**Fall 2018 – Spring 2019**

*University of Illinois Department of Molecular and Cellular Biology*

Danah Bakir, "Examining the impact of prenatal phthalate exposure on social cognition in 7.5-month-old infants using the Teddy Bear Task to assess theory of mind"

## **Summer Research Opportunities Program Research Team Leader**

**Summer 2017, 2018, 2019**

*Department of Diversity, Equity, and Inclusion, University of Illinois Graduate College*

- Created a syllabus based on students' needs
- Directed students in writing research proposals and research papers in the style of their field
- Mentored students in presenting their research at professional conferences
- Worked with other Research Team Leaders and Graduate College staff to organize and coordinate the Illinois Summer Research Symposium at the end of the program for students to present their research

## **Teaching Assistant for MCB 245**

**Fall 2017**

*Department of Molecular and Cellular Biology, University of Illinois at Urbana-Champaign*

- MCB 245: Human Anatomy & Physiology Laboratory
- Taught fundamentals of human anatomy and physiology lab for non-majors
- Planned and gave lessons, administered lab and lecture exams, graded lab exams, held office hours

## **Teaching Assistant for MCB 151**

**Spring 2016**

*Department of Molecular and Cellular Biology, University of Illinois at Urbana-Champaign*

- MCB 151: Molecular and Cellular Biology Laboratory
- Taught an introductory biology laboratory section for non-majors
- Planned and gave lessons, graded lab reports, and held office hours to help students

## **SERVICE AND OUTREACH**

### **Society Secretary**

**2022-Present**

*Developmental Neurotoxicology Society*

- Work with the society board to prepare for the annual meeting
- Coordinate with sister societies (Birth Defects Research Society and Organization of Teratology Information Specialists) about co-sponsored meeting events and joint attendees for the annual meeting
- Collect and collate registrant information for the annual meeting
- Direct the Associate Member Representative in organizing the trainees to manage the registration table at the annual meeting
- Prepare and design materials (signage, programs, name badges) for the annual meeting
- Record minutes at regular business meetings
- Manage the society email list and share information with members on behalf of the society

### **Women of Color in the Academy Conference Planning Committee**

**Spring 2022, 2023**

*Northeastern University*

- Spring 2023 Conference theme: "Community as Rebellion: Thriving in the Academy"
- Spring 2022 Virtual Conference theme: "Return to Love: Honoring the Legacy of bell hooks"
- Member of the Participant Engagement Committee, which is responsible for planning and coordinating networking events and giveaways during the conference, cultivating the look and feel of the conference, increasing registration via advertising, and managing behind the scenes logistics during the conference

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- Created social media posts using speaker and conference information for advertising
- Reviewed feedback from previous conference attendees to consider what worked well and what did not work for a virtual conference

## Summer Self Care Webinar Series

Summer 2021

*Collaboration with University of Illinois Interdisciplinary Health Sciences Institute and University Extension Office*

- Our Chemical Environment, Part 3: How to Read Product Labels and Understand Marketing Terms
- Developed and presented a webinar for the general public about common terms related to EDCs that are used on product labels and how to determine which options are the best for them
- Recording available online: <https://extension.illinois.edu/global/summer-self-care-2021>

## Springtime Science Webinar Series

Spring 2021

*Collaboration with University of Illinois Interdisciplinary Health Sciences Institute and University Extension Office*

- Our Chemical Environment, Part 1: A Primer on Toxicology and Endocrine-Disrupting Chemicals
- Developed and presented a webinar for the general public about basic concepts of toxicology and endocrine disrupting chemicals (EDCs), including examples of sources of exposures to EDCs and methods of reducing exposure
- Recording available online: <https://extension.illinois.edu/global/springtime-science>
- Invited to present webinar for the National Extension Association for Family and Consumer Sciences, a professional organization for Extension employees across the U.S.

## Associate Member Representative

2021-2022

*Developmental Neurotoxicology Society*

- Represents associate society members (pre- and post-doctoral researchers) at Board meetings
- Works closely with the society President to develop programming for associate member career development
- Manages society social media presence on various platforms

## Board Secretary

2020-2021

*Alpha Omega Epsilon Sorority Board of Directors*

- Defined and oversees all administrative procedures
- Recorded the minutes of official meetings
- Oversaw Risk Management, Chapter Audits, History, and Equity, Diversity, & Inclusion Committees
  - Risk Management Committee: develops risk management programs and provides relevant information to members
  - Chapter Audits Committee: audits active chapters to ensure chapters maintain good standing
  - History Committee: compiles and maintains all permanent records of the Sorority
  - Equity, Diversity, & Inclusion Committee: provides resources to the Sorority regarding social justice and equity; fosters a dialogue at all levels of the Sorority regarding equity, diversity, and inclusion; recommends actions to ensure the Sorority's practices uphold high standards in the areas of equity, diversity, and inclusion

## Makeup Monday: Youth & Safer Beauty Products Workshop

Fall 2019

*Collaboration with University of Illinois Interdisciplinary Health Sciences Institute and University Extension Office*

- Developed an interactive workshop to educate members of the public (specifically pre-teens and teenagers) on chemicals found in cosmetics based on graduate work
- Educated attendees about chemicals common in personal care products, such as phthalates and parabens and what common marketing claims mean in order to be more informed consumers

## Volunteer Coordination Committee Member

2018-2021

*Alpha Omega Epsilon Sorority Board of Directors*



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- Created an interest survey for members interested in volunteering for the organization to evaluate a member's skills and interests
- Interviewed sorority members interested in volunteering at the international level
- Matched members with committees based on committee needs and volunteers' interests and strengths

## **Chapter Advisor, Mu Chapter at Northern Illinois University** **2018-2020**

*Alpha Omega Epsilon Sorority Board of Directors*

- Provided guidance to active members on day-to-day activities of the chapter
- Acted as a liaison between the chapter and the Board of Directors

## **Programming Committee Chair** **2016**

*Alpha Omega Epsilon Sorority Board of Directors*

- Held monthly meetings via conference call with committee members
- Organized and facilitated a mentoring program between active sorority members and alumnae

## **AWARDS AND HONORS**

### **Philip Bushnell Conference Award for Best Oral Presentation** **June 2023**

*Developmental Neurotoxicology Society*

### **Travel Award** **September 2022**

*International Society for Environmental Epidemiology*

### **Philip Bushnell Conference Award** **June 2022**

*Developmental Neurotoxicology Society*

### **SHARP Environmental Mixtures Workshop Scholarship** **August 2022**

*Columbia University Mailman School of Public Health  
Skills for Health and Research Professionals (SHARP) Training*

### **Volunteer of the Month** **November 2020**

*Alpha Omega Epsilon*

### **Travel Award** **June 2019**

*Developmental Neurotoxicology Society*

### **Interdisciplinary Environmental Toxicology Scholar** **Fall 2018 – Spring 2021**

*University of Illinois Interdisciplinary Environmental Toxicology Program*

## **PROFESSIONAL MEMBERSHIPS**

Developmental Neurotoxicology Society  
International Society for Environmental Epidemiology  
Society for Research in Child Development  
The Endocrine Society