

## Kylie D. Rock, Ph.D.

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Clemson University, Department of Biological Sciences  
230 Parkway Drive, 134 Long Hall, Clemson, SC 29634  
Phone: (518) 578-7113

[rock5@clemson.edu](mailto:rock5@clemson.edu)  
[NCBI Bibliography](#)  
[Lab Website](#)

### Research Interests

I am a toxicologist with diverse training and expertise in both reproductive and ecotoxicology. My lab seeks to identify molecular, cellular, and physiological changes associated with environmentally relevant chemical exposures, prioritizing translational and comparative study designs to (1) conduct high-impact science with relevance to human reproductive health and (2) assess consequences, responses, and actions at the human, animal, and ecosystem interfaces to address environmental health issues.

### Education

#### Doctorate, North Carolina State University 2019

Department: Biological Sciences  
Laboratory: Dr. Heather Patisaul  
Degree: Toxicology  
Dissertation: *Sex-specific Effects of Firemaster<sup>®</sup> 550 on Placenta, Brain Development, and Behavior*

#### Bachelor of Science, St. Lawrence University 2012

Department: Biology  
Laboratory: Dr. Alexander Schreiber and Dr. Marilyn Mayer  
Concentration: Biology, minor in Chemistry  
Honors Thesis: *Methylmercury Uptake and Distribution in Metamorphosing Xenopus laevis Tadpoles Fed a Swordfish Diet*

### Relevant Experience

#### Assistant Professor, Clemson University 2023 – Present

Department: Biological Sciences  
Affiliations: Environmental Toxicology Program, Center for Human Genetics

#### Postdoctoral Researcher, North Carolina State University 2021 – 2023

Department: Biological Sciences  
Laboratory: Dr. Scott Belcher  
Affiliations: Center for Environmental and Health Effects of PFAS, Center for Human Health and the Environment

#### Postdoctoral Researcher, University of Maryland School of Medicine 2019 – 2021

Department: Pharmacology  
Laboratory: Dr. Tracy Bale  
Affiliations: Center for Epigenetic Research in Child Health and Brain Development

#### Graduate Research Assistant, North Carolina State University 2014 – 2019

Department: Biological Sciences  
Laboratory: Dr. Heather Patisaul

#### Laboratory Technician, Duke University 2012 – 2014

Department: Nicholas School of the Environment  
Laboratory: Dr. Heather Stapleton

### Fellowships and Grants

#### Completed

1F31ES029000-01 (NRSA) 01/22/18 – 08/13/19

Effects of prenatal Firemaster 550 exposure on placental gene expression and serotonergic innervation in the developing forebrain

Source: NIH/NIEHS

Role: PI (Training Fellowship)

Direct Costs: N/A NRSA Pre-Doctoral Fellowship

**Active**

2017346 01/31/24 – 9/30/25  
Does Anthropogenic Contamination of Estuaries Impact Bioaccumulation in Seasonally Resident Versus Transient Elasmobranchs?  
Source: Save Our Seas Foundation  
Role: PI  
Direct Costs: \$10,000

Prisma Health Education and Research Seed Grant 01/01/2025 – 12/31/2025  
Unraveling the Impact of Fetal Sex on Expression and Activity of Xenobiotic Transporters at the Blood-Placenta Barrier  
Source: PHERI Seed Grant Program  
Role: PI  
Direct Cost: \$20,000

Clemson University School of Health Research Faculty Fellowship 09/22/2025 – 08/31/2026  
Sex-Specific Placental Transport Mechanisms: Implications for Antihypertensive Therapy in Pregnancy  
Source: Clemson University of School Health Research  
Role: Fellow (PI)  
Direct Cost: \$47,500

**Pending**

K01ES037359 07/01/2026 – 6/30/2029  
Effects of Preconception Phthalate Exposure on Implantation and Placentation  
Source: NIH/NIEHS  
Role: PI  
Direct Costs: \$462,933

R35GM000000 07/01/2026 – 6/30/2031  
Sex as a Determinant of ABCB1 Transporter Expression, Regulation, and Function  
Source: NIH/NIGMS  
Role: PI  
Direct Costs: \$1,249,764

R21ES037883 07/01/2026 – 06/30/2028  
Probing the Direct Effects of Endocrine Disrupting Chemicals on the Vaginal Microenvironment  
Source: NIH/NIEHS  
Role: Co-I  
Direct Costs: \$93,431

R03ES038067 04/01/2026 – 03/31/2028  
Disrupting the Flow – Mechanisms of Phthalate Hepatotoxicity via the Liver-Ovarian Axis  
Source: NIH/NIEHS  
Role: PI  
Direct Costs: \$100,000

2543136 07/01/2026 – 6/30/2031  
CAREER: Microbial Blueprints for a Changing Coast – Linking Estuarine Community Function to Ecosystem Stability  
Source: NSF  
Role: PI  
Direct Costs: \$1,116,144

**Honors and Awards**

|   |      |
|---|------|
| Clemson University College of Science Excellence in Community Outreach Award                | 2025 |
| Clemson University/Prisma Health NIH Accelerator Program                                    | 2023 |
| NIEHS Extramural Paper of the Month (DOI: 10.1021/acs.est.3c01146)                          | 2023 |
| NC State Strengthening the Impact of Research Scholar                                       | 2022 |
| 2 <sup>nd</sup> Place Poster Endocrine Disrupting Chemicals – North Carolina Annual Meeting | 2022 |

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| 2 <sup>nd</sup> Place Poster North Carolina Chapter of the Society of Toxicology                               | 2022        |
| University of Maryland Postdoctoral Professional Development Award   | 2021        |
| 1 <sup>st</sup> Place Poster Reproductive and Developmental Toxicology Specialty Section Society of Toxicology | 2019        |
| 3 <sup>rd</sup> Place Poster Life Sciences Graduate Research Symposium North Carolina State University         | 2019        |
| North Carolina State University Graduate Student Association Travel Assistance Award                           | 2018        |
| 1 <sup>st</sup> Place Poster Inaugural Endocrine Disrupting Chemicals – North Carolina Annual Meeting          | 2018        |
| Preparing the Professoriate Fellowship   | 2017 – 2018 |
| W.M. Keck Center for Behavioral Neuroscience Travel Award  | 2017        |
| Phi Beta Kappa   | 2012        |
| Augsbury North Country Scholarship   | 2008 – 2012 |
| Daniel F. '65 and Ann H. Sullivan St. Lawrence University Summer Research Fellowship                           | 2010        |

## Publications

ORCID ID: 0000-0003-2954-1110

### Senior Author <sup>\*starting from most recent</sup>

1. Afghah, M., Elkins, A. C., Powell, P. C., Mulligan, M. E., Boland, M. C., Suggs, A. P., Walker, M. A., Padgett, Z. J., & **Rock, K. D.** (2026). Exploratory Assessment of Preconception Phthalate Exposure on Fertility and Offspring Health in Mice. *Journal of the Endocrine Society*, <https://doi.org/10.1210/jendso/bvag010>

### First Author <sup>\*starting from most recent</sup>

1. **Rock KD**, Bhoothapuri S, Lassiter E, Belcher SM. Variability of Mercury Concentrations Across Species, Brand, and Tissue Type in Processed Commercial Seafood Products. *Toxics*. 2025. [doi.org/10.3390/toxics13060426](https://doi.org/10.3390/toxics13060426).  
*\*Corresponding author*
2. **Rock KD**, Folts L, Zierden HC, Marx-Rattner R, Leu A, et al. Developmental Transcriptomic Patterns can be Altered by Transgenic Overexpression of Uty. *Scientific Reports*. 2023. [doi.org/10.1038/s41598-023-47977-x](https://doi.org/10.1038/s41598-023-47977-x).
3. **Rock KD**, Polera ME, Guillette TC, McCord J, Dean K, et al. Companion Animals as Sentinels of Per- and Polyfluoroalkyl Substance (PFAS) Exposure and Associated Health Biomarkers in Gray's Creek North Carolina. *Environmental Science and Technology*. 2023. [doi.org/10.1021/acs.est.3c01146](https://doi.org/10.1021/acs.est.3c01146). **[NIEHS Extramural Paper of the Month]**
4. **Rock KD**, St Armour G, Horman B, Phillips A, Ruis M, et al. Effects of Prenatal Exposure to a Mixture of Organophosphate Flame Retardants on Placental Gene Expression and Serotonergic Innervation in the Developing Forebrain. *Toxicological Sciences*. 2020. [doi.org/10.1093/toxsci/kfaa046](https://doi.org/10.1093/toxsci/kfaa046).
5. **Rock KD**, Gillera SE, Devarasetty P, Horman B, Birnbaum LS, et al. Sex-specific Behavioral Effects of Developmental Exposure to Tetrabromobisphenol A (TBBPA) in Wistar Rats. *Neurotoxicology*. 2019. [doi.org/10.1016/j.neuro.2019.09.003](https://doi.org/10.1016/j.neuro.2019.09.003).
6. **Rock KD**, Patisaul H. Environmental Mechanisms of Neurodevelopmental Toxicity. *Current Environmental Health Reports*. 2018. [doi.org/10.1007/s40572-018-0185-0](https://doi.org/10.1007/s40572-018-0185-0).
7. **Rock KD**, Horman B, Phillips A, McRitchie S, Watson S, et al. Molecular Effects of Developmental Firemaster® 550 Exposure in Wistar Rat Placenta and Fetal Forebrain. *Endocrine Connections*. 2018. [doi.org/10.1530/EC-17-0373](https://doi.org/10.1530/EC-17-0373). **[NIEHS Extramural Paper of the Month]**
8. **Baldwin KR**, Phillips A, Horman B, Arambula S, Rebuli M, et al. Sex Specific Placental Accumulation and Behavioral Effects of Developmental Firemaster® 550 Exposure in Wistar Rats. *Scientific Reports*. 2017. [doi.org/10.1530/EC-17-0373](https://doi.org/10.1530/EC-17-0373).

### Co-Author <sup>\*starting from most recent</sup>

1. Bangma J, Pu S, Robuck A, Boettger J, Guillette T, McCord J, **Rock KD**, et al. Combined Screening and Retroactive Data Mining for Emerging Perfluoroethers in Wildlife and Pets in the Cape Fear Region of North Carolina. *Chemosphere*. 2024. [doi.org/10.1016/j.chemosphere.2024.142898](https://doi.org/10.1016/j.chemosphere.2024.142898).
2. Starnes HM, Jackson TW, **Rock KD**, Belcher SM. Quantitative Cross-Species Comparison of Serum Albumin Binding of Per- and Polyfluoroalkyl Substances from Five Structural Classes. *Toxicological Sciences*. 2024. [doi.org/10.1093/toxsci/kfae028](https://doi.org/10.1093/toxsci/kfae028).
3. Zierden HC, Marx-Rattner R, **Rock KD**, Montgomery KR, Anastasiadis P, et al. Extracellular Vesicles are Dynamic Regulators of Maternal Glucose Homeostasis During Pregnancy. *Scientific Reports*. 2023. [doi.org/10.1038/s41598-023-31425-x](https://doi.org/10.1038/s41598-023-31425-x).
4. Newell AJ, Kapps VA, Cai Y, Rai MR, St. Armour G, Horman BM, **Rock KD**, et al. Maternal Organophosphate Flame Retardant Exposure Alters the Developing Mesencephalic Dopamine System in Fetal Rat. *Toxicological Sciences*. 2023. [doi.org/10.1093/toxsci/kfac137](https://doi.org/10.1093/toxsci/kfac137).
5. Belcher SM, Guillette MP, Robb F, **Rock KD**. Comparative Assessment of Blood Mercury in American Alligators (*Alligator mississippiensis*) from Coastal North Carolina and Florida. *Ecotoxicology*. 2022. [doi.org/10.1007/s10646-022-02573-z](https://doi.org/10.1007/s10646-022-02573-z).

6. Starnes HM, **Rock KD**, Jackson TW, Belcher SM. A Critical Review and Meta-Analysis of Impacts of Per- and Polyfluorinated Substances on the Brain and Behavior. *Frontiers in Toxicology*. 2022. doi.org/10.3389/ftox.2022.881584.
7. Jašarević E, Hill EM, Kane PJ, Rutt L, Gyles T, Folts L, **Rock KD**, et al. Colonization at Birth with Human CST IV Cervicovaginal Microbiota Alters Development and Increases Neonatal Mortality in Mice. *Nature Communications*. 2021. doi.org/10.1038/s41467-021-26634-9.
8. Macari S, **Rock KD**, Santos MS, Lima VTM, Szawka RE, et al. Developmental Exposure to the Flame Retardant Mixture Firemaster 550 Compromises Adult Bone Integrity in Male but not Female Rats. *International Journal of Molecular Sciences*. 2020. doi.org/10.3390/ijms21072553.
9. Jackson TW, Bendfeldt GA, Beam KA, **Rock KD**, Belcher SM. Heterozygous mutation of Sonic Hedgehog receptor (Ptch) drives cerebellar overgrowth and sex-specifically alters activity and social behavior in female mice. *Neurotoxicology and Teratology*. 2020. doi.org/10.1016/j.ntt.2020.106866.
10. Arumugasaamy N, **Rock KD**, Kuo C, Bale TL, Fisher JP. Microphysiological Systems of the Placental Barrier. *Advanced Drug Delivery Reviews*. 2020. doi.org/10.1016/j.addr.2020.08.010.
11. Ruis M, **Rock KD**, Hall S, Horman B, Patisaul H, et al. PBDEs Concentrate in the Fetal Portion of the Placenta: Implications for Thyroid Hormone Dysregulation. *Endocrinology*. 2019. doi.org/10.1210/en.2019-00463.
12. Bagley M, Ekelöf M, **Rock KD**, Patisaul H, Muddiman D. IR-MALDESI Mass Spectrometry Imaging of Underivatized Neurotransmitters in Brain Tissue of Rats Exposed to Tetrabromobisphenol A (TBBPA). *Analytical and Bioanalytical Chemistry*. 2018. doi.org/10.1007/s00216-018-1420-0.
13. Phillips A, Chen A, **Rock KD**, Horman B, Patisaul H, et al. Transplacental and Lactational Transfer of Firemaster® 550 Components in Dosed Wistar Rats. *Toxicological Sciences*. 2016. doi.org/10.1093/toxsci/kfw122.
14. Macaulay L, Chen A, **Rock KD**, Dishaw L, Dong W, et al. Developmental toxicity of the PBDE metabolite 6-OH-BDE-47 in zebrafish and the potential role of thyroid receptor  $\beta$ . *Aquatic Toxicology*. 2015. doi.org/10.1016/j.aquatox.2015.09.007.

### Encyclopedia Chapter

1. **Rock KD**, Starnes HM, Belcher SM. Reproductive Toxicology, Female. *Encyclopedia of Toxicology*, 4<sup>th</sup> Edition, Vol 8, 167 - 202. 2024.

### Pending

1. **Rock KD**, Zierden HC, Herb BR, Folts LM, Zhao Q, et al. The Placenta Serves as a Major Barrier to Fetal Corticosterone Exposure and is Susceptible to Cell-Type-Specific Transcriptomic Disruption in Response to Early Prenatal Stress in Mice. *In Review*.
2. Padgett ZJ, Powell PC, **Rock KD**. A Review of PFAS Contamination and Microbial Dynamics in Estuarine Environments. *In Preparation*. <sup>\*Senior author</sup>
3. Elkins A, Suggs A, **Rock KD**. The Hepato-Ovary Axis: Bidirectional Interactions Between the Liver and Ovary. *In Preparation*. <sup>\*Senior author</sup>

### Presentations & Meetings

\*Poster presentations not included, but amount to 20+ national and international posters presented

|  |      |
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| Society of Toxicology Annual Meeting Platform Presentation   | 2025 |
| Title: <i>Sexually Dimorphic Placental and Neuroendocrine Responses to Prenatal and Preconception Exposures</i>                      |      |
| University of Florida Lou Guillette Jr. Memorial Symposium   | 2025 |
| Title: <i>Shaping Careers in One Health and EDCs: A Transgenerational Impact</i>   |      |
| Clemson University Biophysics Seminar Series   | 2024 |
| Title: <i>Blood-Placenta Barrier Permeability: What's Sex Got To Do With It?</i>   |      |
| Clemson University Center for Human Genetics Advances in Human Genetics Seminar  | 2024 |
| Title: <i>Unraveling the Impact of Fetal Sex on Expression and Activity of Xenobiotic Transporters at the Blood-Placenta Barrier</i> |      |
| USEPA Emerging Topics Seminar  | 2022 |
| Title: <i>One Health Case Studies: PFAS, Pine Trees, Pets, and Predators</i>   |      |
| Gordon Research Conference – Environmental Endocrine Disruptors  | 2022 |
| Title: <i>One Health Case Studies: PFAS, Pine Trees, Pets, and Predators</i>   |      |
| Society of Toxicology Annual Meeting Platform Presentation   | 2022 |
| Title: <i>PFAS Exposure is Associated with Autoimmunity in the American Alligator</i>  |      |

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| Virtual Placenta-Interface Seminar Series<br>Title: <i>Defining the Molecular Mechanisms by which Stress Alters Placental Function and Fetal Brain Development</i>  | 2021 |
| Neuroscience Trainee Seminar Series<br>Title: <i>The Placenta: A Novel Target of Sex-specific Neuroendocrine Disruption</i>   | 2019 |
| Gordon Research Seminar – Environmental Endocrine Disruptors<br>Title: <i>The Placenta: A Potential Target of Neuroendocrine Disruption by the Flame Retardant Mixture Firemaster® 550</i>  | 2018 |
| The United States Society for Developmental Origins of Health and Disease<br>Title: <i>Sex-Specific Placental Accumulation of Mixture FM550® and Sex-Specific Disruption of the Placental and Fetal Forebrain Transcriptome in the Wistar Rat</i> | 2018 |
| North Carolina Museum of Natural Sciences<br>Title: <i>Neurodevelopment: What's the placenta got to do with it?</i>   | 2018 |
| North Carolina State University Toxicology Program Seminar<br>Title: <i>The Placenta as a Potential Target of Neurotoxicity</i>   | 2017 |
| North Carolina State University E.M. Keck Center for Behavioral Biology Symposium<br>Title: <i>Firemaster® 550, Placenta, Brain and Behavior</i>  | 2017 |
| Festival of Science<br>Title: <i>Methylmercury Uptake and Distribution in Metamorphosing Xenopus laevis Tadpoles Fed a Swordfish Diet</i>   | 2012 |

### Teaching & Mentoring Experience

#### Teaching

|   |             |
|---|-------------|
| Instructor, Environmental Toxicology Reading Group (ETOX 8630)<br><i>Clemson University</i><br>Student Evaluations: TBD                           | 2025        |
| Instructor, Cell Biology (BIOL 4610)<br><i>Clemson University</i><br>Student Evaluations: 4.30/5.0  | 2024        |
| Instructor, Senior Seminar: Developmental Origins of Health and Disease (BIOL 4930)<br><i>Clemson University</i><br>Student Evaluations: 4.76/5.0 | 2023        |
| Instructor, Cellular Biology (BIO 414)<br><i>North Carolina State University</i>  | 2022        |
| Guest Lecturer, Neurobiology (BIO 488)<br><i>North Carolina State University</i>  | 2018        |
| Guest Lecturer, Intro. Cellular and Molecular Biology (BIO 183)<br><i>North Carolina State University</i>   | 2018        |
| Instructor, Intro. Cellular and Molecular Biology Lab (BIO 183)<br><i>North Carolina State University</i>   | 2016 – 2017 |
| Instructor, General Chemistry Lab (CHEM 103 & 104)<br><i>St. Lawrence University</i>  | 2010 – 2011 |

#### Mentoring

\*Italics indicate current position if known

#### Graduate Students:

|                       |  |                |
|-----------------------|--|----------------|
| Ansley Elkins,        | <i>Ph.D. Student in my lab at Clemson University</i>             | 2024 – Present |
| Maryam Afghah, M.S.   | <i>Ph.D. Student in my lab at Clemson University</i>             | 2024 – Present |
| Melissa Walker        | <i>M.S. Student in my lab at Clemson University</i>              | 2024 – Present |
| Zachary Padgett       | <i>M.S. Student in my lab at Clemson University</i>              | 2023 – Present |
| Hannah Starnes, Ph.D. | <i>Senior Toxicologist, ICF Business and Consulting Services</i> | 2021 – 2023    |
| Zachary McLean, M.S.  | <i>Ph.D. Student, North Carolina State University</i>            | 2021 – 2023    |

## Kylie Rock, CV

|                           |   |             |
|---------------------------|---|-------------|
| Nickole Moon, Ph.D.       | <i>M.D./Ph.D. Student, University of Colorado Anschutz</i>        | 2019 – 2021 |
| Kristen Montgomery, Ph.D. | <i>Postdoctoral Researcher, University of Calgary</i>             | 2019 – 2021 |
| William Marinello, Ph.D.  | <i>Postdoctoral Researcher, UNC Chapel Hill</i>                   | 2018 – 2019 |
| Sagi Gillera, Ph.D.       | <i>Senior Toxicologist, ICF Business and Consulting Services</i>  | 2017 – 2019 |
| Thomas Jackson, Ph.D.     | <i>Postdoctoral Biologist, US Environmental Protection Agency</i> | 2017 – 2019 |

### Post-undergraduate Researchers:

|              |   |                |
|--------------|---|----------------|
| Paige Powell | <i>Lab Technician in my lab at Clemson University</i> | 2023 – Present |
| Mary Boland  | <i>Medical Scribe at Prisma Health</i>                | 2023 – 2025    |

### Undergraduate Students:

|                         |   |                |
|-------------------------|---|----------------|
| Romina Dotson           | <i>Undergraduate Researcher in my lab at Clemson University</i> | 2025 – Present |
| Matt Heselton           | <i>Undergraduate Researcher in my lab at Clemson University</i> | 2025 – Present |
| Elizabeth Mulligan      | <i>Undergraduate Researcher in my lab at Clemson University</i> | 2024 – Present |
| Sydney Schinkai         | <i>Undergraduate Researcher in my lab at Clemson University</i> | 2024 – Present |
| Chloe Schmidt           | <i>Undergraduate Researcher in my lab at Clemson University</i> | 2024 – Present |
| Kylie Artosky           | <i>Undergraduate Researcher in my lab at Clemson University</i> | 2024 – Present |
| Alexandra Suggs         | <i>Undergraduate Researcher in my lab at Clemson University</i> | 2024 – Present |
| Shriya Boothapuri       | <i>M.D. Student, Medical University of South Carolina</i>       | 2022 – 2023    |
| Sydney Wright           | <i>DVM Student, Mississippi State University</i>                | 2022 – 2023    |
| Emmanuel Lassiter       | <i>Student, Wake Tech Community College</i>                     | 2022 – 2023    |
| Annabelle Frantz        | <i>DPT Student, Duke University</i>                             | 2016 – 2019    |
| Pavan Devarasetty, M.D. | <i>Resident Physician, Duke University Hospital</i>             | 2016 – 2019    |
| Jamal Moss, M.D.        | <i>Family Medicine Resident, University of Pennsylvania</i>     | 2015 – 2017    |
| Annabelle Rivera, M.S.  | <i>Medical Technician, Duke University</i>                      | 2015 – 2017    |
| Meredyth Daniel, D.O.   | <i>McLeod Health Cheraw</i>                                     | 2015 – 2017    |
| Emily Cox, D.O.         | <i>UNC Institute for Healthcare Quality Improvement</i>         | 2014 – 2015    |

## Service & Engagement

### Society & Conference Service

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|--|----------------|
| Carolina Society of Environmental Toxicology and Chemistry<br><i>Board Member</i>  | 2025 – Present |
| Reproductive and Developmental Toxicology Specialty Section of the Society of Toxicology<br><i>Junior Councilor</i>            | 2025 – Present |
| Southeastern Regional Chapter of the Society of Toxicology<br><i>President</i>   | 2025 – 2026    |
| Reproductive and Developmental Toxicology Specialty Section of the Society of Toxicology<br><i>Postdoctoral Representative</i> | 2023 – 2025    |
| North Carolina Chapter of Society of Toxicology<br><i>Postdoctoral Representative</i>  | 2022 – 2024    |
| Gordon Research Conference – Environmental Endocrine Disruptors<br><i>Program Committee</i>                                    | 2019 – 2022    |
| Gordon Research Seminar – Environmental Endocrine Disruptors<br><i>Chair</i>   | 2018 – 2022    |
| Triangle Chapter of the Society for Neuroscience<br><i>Outreach Chair</i>  | 2018 – 2019    |

### University Service

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|---|----------------|
| Tenure Track Assistant Professor Search Committee<br>Department of Biological Sciences and Eukaryotic Pathogen Innovation Center (EPIC)         | 2024 - Present |
| Seminar Committee Member<br>Department of Biological Sciences   | 2024 – Present |
| Graduate Student Committee Member ( <i>6 students not in my lab</i> )<br>Department of Biological Sciences and Environmental Toxicology Program | 2024 – Present |

**Reviewer**

Grants:

Early Career Reviewer, Center for Scientific Review, National Institutes of Health 2024 – Present  
National Science Foundation Graduate Research Fellowship Program 2023 – Present

Journals (*ad hoc*):

Environmental Health Perspectives, Frontiers in Endocrinology, Frontiers in Toxicology, Critical Reviews in Toxicology, Environmental Science and Pollution Research, Global Ecology and Conservation

**Outreach**

Clemson Science Outreach Center Tiger Talks 2025  
Title: *From Microbes to Mammals: The Far-Reaching Impact of Pollution*

Clemson Rural Health 2025  
Educational Materials – *Partnered with the Clemson Rural Health program to create educational pamphlets and videos that can be shared with patients from underserved communities as a resource to learn more about hormones, endocrine disruptors, and health outcomes.* \*See lab website Outreach page  
Video Project: <https://www.youtube.com/watch?v=Vfeiw5AebGI&t=4s>

Meet the Professor Summer Camp, Littlejohn Community Center 2024  
Instructor – *Designed and executed an interactive laboratory experience for local students aged 5 – 17 to learn about how chemicals can impact physiology and behavior.* \*See lab website Outreach page

Brain Awareness Night North Carolina Museum of Natural Sciences 2023  
Booth Host – *Designed interactive materials for community members to learn about the diversity of brains and behavior across species.*

Big10 Neuroscience Virtual Seminar Series 2021  
Organizer – *Helped to recruit speakers and coordinate seminars.*

Center for Epigenetic Research in Child Health and Brain Development Reading in the Brain 2019 – 2021  
Volunteer – *Aided in the execution of a neuroscience educational program with local school kids.*

Brain Awareness Night North Carolina Museum of Natural Sciences 2019  
Booth Host – *Designed interactive materials for community members to learn about hormones, endocrine disruptors, brain, and behavior.*

UNC Science Expo 2018  
Volunteer – *Aided in executing interactive activities for community members to learn about neuroscience.*

Neuroscience Trivia hosted by Triangle Chapter of Society for Neuroscience 2018  
Event Coordinator – *Helped to plan and execute a local trivia event for a regional neuroscience society.*

**Professional Memberships**

Society of Toxicology  
Society of Toxicology: Women in Toxicology  
Society of Toxicology: Southeastern Chapter  
Society of Toxicology: Reproductive and Developmental Toxicology Specialty Section  
Society for Reproductive Investigation  
The Endocrine Society  
Society of Environmental Toxicology & Chemistry  
Carolinas Society of Environmental Toxicology & Chemistry  
American Elasmobranch Society