



Nicolas J. Wheeler, Ph.D.  
 Department of Biology  
 College of Arts and Sciences  
 University of Wisconsin-Eau Claire

✉ [wheelenj@uwec.edu](mailto:wheelenj@uwec.edu)  
 🌐 [www.github.com/wheelern](https://www.github.com/wheelern)  
 🌐 [www.wheelerlab.bio](https://www.wheelerlab.bio)  
 ☎ 1 (715) 836-3021  
 🏠 345 Phillips Hall  
 101 Roosevelt Avenue  
 Eau Claire, WI 54701

## CURRENT POSITION

2022 - **Assistant Professor**  
 Department of Biology  
 University of Wisconsin-Eau Claire, WI USA

## EDUCATION AND TRAINING

2020 - 2022 NIAID NRSA (F32) Postdoctoral Fellow  
 University of Wisconsin-Madison, Madison, WI USA

2017 - 2020 Postdoctoral Fellow  
 Merck KGaA, Madison, WI USA

2013 - 2017 PhD in Genetics & Genomics  
 Iowa State University, Ames, IA USA

2009 - 2013 BS in Oxbridge Honors Molecular Biology  
 William Jewell College, Liberty, MO USA

## TEACHING

### *UWEC teaching*

**BIOL 221L** - Foundations of Biology I Lab  
 Role: co-instructor  
 Fall 2022, 2023, 2024 & Spring 2023, 2024 (11 sections total)

**BIOL 305** - Molecular and Cell Biology  
 Role: course coordinator and sole instructor  
 Spring 2023-2025 (4 credits, lecture)

**BIOL 306** - Infectious Disease Biology  
 Role: course coordinator and sole instructor  
 Fall 2023 & 2024 (3 credits, lecture)

**BIOL 343** - Applied Bioinformatics I  
 Role: course coordinator and sole instructor  
 Fall 2024 (4 credits, lecture and lab)

**BIOL 393** - Junior Seminar in Bioinformatics  
 Role: course coordinator and sole instructor  
 Spring 2025 (1 credit, seminar)

**BIOL 443** - Applied Bioinformatics II  
 Role: course coordinator and sole instructor

Spring 2025 (4 credits, lecture and lab)

**BIOL 345** - Invertebrate Zoology

Role: course coordinator and sole instructor

Fall 2022 (4 credits, lecture + lab)

#### Previous teaching

**PBS 514** (Veterinary Parasitology), UW–Madison School of Veterinary Medicine

2019-2022: Course instructor (4 lectures, 2 labs)

**V PTH 353** (Introduction to Parasitology), Iowa State University

2017: Course instructor (1 lecture)

**BMS 329** (Anatomy and Physiology of Domestic Animals), Iowa State University

2017: Course instructor (3 lectures)

## PUBLICATIONS

‡ Corresponding author(s) † Co-senior authors § Equal contribution UWEC undergraduate

Citations: 720, h-index: 11 | [Google Scholar](#) | [MyNCBI Bibliography](#)

#### UWEC Affiliation

6. Z Caterer, R Horejsi, C Weber, B Mathisen, C Nelson, M Bagatta, I Coughlin, M Wettstein, Ankit Kulshrestha, Hui Siang Benjamin Lee, Leonardo R Nunn, M Zamanian, **NJ Wheeler**<sup>‡</sup>. *A graphical user interface for wormXpress democratizes phenotypic screening of parasitic worms.*  
**International Journal of Parasitology: Drugs and Drug Resistance** 2025.
5. LR Nunn, TD Juang, DJ Beebe, **NJ Wheeler**<sup>††</sup>, M Zamanian<sup>†</sup>. *A high-throughput sensory assay for parasitic and free-living nematodes.*  
**Integrative Biology** 2023.
4. EG Rehborg<sup>§</sup>, **NJ Wheeler**<sup>§</sup>, M Zamanian<sup>‡</sup>. *Mapping resistance-associated anthelmintic interactions in the model nematode *Caenorhabditis elegans*.*  
**PLOS NTD** 2023.
3. **NJ Wheeler**, KT Ryan, KJ Gallo, CR Henthorn, SS Erickson, JD Chan, M Zamanian<sup>‡</sup>. *Multivariate chemogenomic screening prioritizes new macrofilaricidal leads.*  
**Communications Biology** 2023.
2. KT Ryan, **NJ Wheeler**, IK Kamara, H Johnson, JE Humphries, M Zamanian, JD Chan<sup>‡</sup>. *Phenotypic profiling of macrocyclic lactones on parasitic *Schistosoma* flatworms.*  
**Antimicrobial Agents and Chemotherapy** 2023.
1. IK Kamara, JT Thao, K Kaur, **NJ Wheeler**, JD Chan<sup>‡</sup>. *Annotation of G-protein coupled receptors in the genomes of parasitic blood flukes.*  
**microPublication Biology** 2023.

#### Previous Affiliations

14. KJ Gallo, **NJ Wheeler**, AM Elmi, PA Airs, M Zamanian<sup>‡</sup>. *Pharmacological profiling of a *Brugia malayi* muscarinic acetylcholine receptor as a putative antiparasitic target.*  
**Antimicrobial Agents and Chemotherapy** 2023.
13. **NJ Wheeler**, EA Hallem, M Zamanian<sup>‡</sup>. *Making sense of sensory behaviors in vector-borne helminths.*  
**Trends in Parasitology** 2022.
12. HJ Loghry, H Kwon, RC Smith, NA Sondjaja, S Minkler, S Young, **NJ Wheeler**, M Zamanian, L Bartholomay, MJ Kimber<sup>‡</sup>. *Extracellular vesicles secreted by *Brugia malayi* microfilariae modulate the melanization pathway in the mosquito host.*  
**Scientific Reports** 2022.

11. **NJ Wheeler**, EJ Garncarz, KJ Gallo, KT Ryan, JD Chan, M Zamanian<sup>‡</sup>. *wrmXpress: A modular package for high-throughput image analysis of parasitic and free-living worms*. **PLOS NTD** 2022.
10. PM Airs, K Vaccaro, KJ Gallo, N Dinguiard, ZW Heimark, **NJ Wheeler**, J He, K Weiss, NE Schroeder, J Huisken, M Zamanian<sup>‡</sup>. *Spatial transcriptomics reveals antiparasitic targets associated with essential behaviors in the human parasite *Brugia malayi**. **PLOS Pathogens** 2022. 18(4): e1010399.
9. **NJ Wheeler**, PM Airs, M Zamanian<sup>‡</sup>. *Long-read RNA sequencing of human and animal filarial parasites improves gene models and discovers operons*. **PLOS NTD** 2020. 14(11):e0008869.
8. **Wheeler NJ**, Heimark ZW, Airs PM, Mann A, Bartholomay LC, Zamanian M<sup>‡</sup>. *Genetic and functional diversification of chemosensory pathway receptors in mosquito-borne filarial nematodes*. **PLOS Biology** 2020. 18(6):e3000723.
7. HJ Loghry, W Yuan, M Zamanian, **NJ Wheeler**, TA Day, MJ Kimber<sup>‡</sup>. *Ivermectin inhibits extracellular vesicle secretion from parasitic nematodes*. **Journal of Extracellular Vesicles** 2020. 10(2):e12036.
6. T Maier, **NJ Wheeler**, EKO Namigai, J Tycko, RE Grewelle, Y Woldeamanuel, K Klohe, J Perez-Saez, SH Sokolow, GA De Leo, TP Yoshino, M Zamanian<sup>‡</sup>, J Reinhard-Rupp<sup>‡</sup>. *Gene drives for schistosomiasis transmission control*. **PLOS NTD** 2019. 13(12):e0007833.
5. **International Helminth Genomes Consortium**. 2018. *Comparative genomics of the major parasitic worms*. **Nature Genetics** 2019. doi:10.1038/s41588-018-0262-1
4. **NJ Wheeler**, N Dinguiard, J Marquez, A Gonzalez, M Zamanian, TP Yoshino, MG Castillo<sup>‡</sup>. *Sequence and structural variation in the genome of the *Biomphalaria glabrata* cell line*. **Parasites & Vectors** 2018. 11(1):496.
3. S Hahnel, **NJ Wheeler**, Z Lu, A Wangwiwatsin, P McVeigh, A Maule, M Berriman, TA Day, P Ribeiro, CG Grevelding<sup>‡</sup>. *Tissue-specific transcriptome analyses provide new insights into GPCR signaling in adult *Schistosoma mansoni**. **PLOS Pathogens** 2018. 14(1):e1006718.
2. **NJ Wheeler**, PN Agbedanu, MJ Kimber, P Ribeiro, TA Day, M Zamanian<sup>‡</sup>. 2015. *Functional analysis of *Girardia tigrina* transcriptome seeds pipeline for anthelmintic target discovery*. **Parasites & Vectors** 2015. 8(1):34.
1. M Zamanian, PN Agbedanu, **NJ Wheeler**, P McVeigh, MJ Kimber, TA Day<sup>‡</sup>. *Novel RNAi-mediated approach to G protein-coupled receptor deorphanization: proof of principle and characterization of a planarian 5-HT receptor*. **PLOS One** 2012. 7(7):e40787.

## PRESENTATIONS

Invited Talks: 11, Selected Talks: 11, Posters: 14

<sup>‡</sup> Presenter    UWEC undergraduate

35. **NJ Wheeler**<sup>‡</sup>. *Using high-performance computing to study the quantitative ethology of human parasites*. UWEC HPC User Group, Eau Claire, WI. December 2024. **(Invited Talk)**
34. R Horejsi, C Nelson, A De Ruyter, H Gensch, C Weber, M Bagatta, **NJ Wheeler**<sup>‡</sup>. *Quantitative ethology of schistosome miracidia and other aquatic invertebrates*. Meeting of the American Society of Parasitologists, Denver, CO. June 2024. **(Selected Talk)**
33. R Horejsi<sup>‡</sup>, C Nelson<sup>‡</sup>, C Weber, **NJ Wheeler**. *Developing methods to quantify *Schistosoma mansoni* miracidia behavior and responsiveness*. Meeting of the American Society of Parasitologists, Denver, CO. June 2024. **(Poster)**

32. A De Ruyter<sup>‡</sup>, H Gensch<sup>‡</sup>, M Bagatta, **NJ Wheeler**. *Chemosensory behaviors of larval Aedes triseriatus mosquitoes*. Meeting of the American Society of Parasitologists, Denver, CO. June 2024. **(Poster)**
31. S Willett<sup>‡</sup>, Z Caterer, S Mathisen, **NJ Wheeler**. *wrmXpress GUI: A user-friendly interface for high-throughput analysis of parasitic worms*. Meeting of the American Society of Parasitologists, Denver, CO. June 2024. **(Poster)**
30. R Horejsi<sup>‡</sup>, **NJ Wheeler**. Quantitative ethology of a parasitic flatworm. UWEC Provost's Honors Symposium. April 2024. **(Selected Talk)**
29. Z Caterer<sup>‡</sup>, S Mathisen<sup>‡</sup>, M Zamanian, **NJ Wheeler**. *wrmXpress GUI: A user-friendly interface for high-throughput analysis of parasitic worms*. UWEC Celebration of Excellence in Research + Creative Activity. April 2024. **(Poster)**
28. R Horejsi<sup>‡</sup>, C Weber<sup>‡</sup>, C Nelson<sup>‡</sup>, **NJ Wheeler**. *Developing methods to quantify Schistosoma mansoni miracidia behavior and responsiveness*. UWEC Celebration of Excellence in Research + Creative Activity. April 2024. **(Poster)**
27. M Bagatta<sup>‡</sup>, I Coughlin, **NJ Wheeler**. *Chemosensory behaviors of larval Aedes triseriatus mosquitoes*. UWEC Celebration of Excellence in Research + Creative Activity. April 2024. **(Poster)**
26. M Bagatta<sup>‡</sup>, I Coughlin<sup>‡</sup>, R Horejsi<sup>‡</sup>, M Wettstein, I Malin, JE Smith, **NJ Wheeler** *Intestinal helminths of the California ground squirrel (Otospermophilus beecheyi)*. Meeting of the American Society of Parasitologists, Kansas City, MO. July 2023. **(Poster)**
25. A Coffin<sup>‡</sup>, S Biser<sup>‡</sup>, M Bagatta, M Brenna, C Dovornay, N Ehrike, E McMichael, L Peterson, A Richard, C Smith, C Veeneman, **NJ Wheeler**. *A survey of aquatic snails and trematodes in Eau Claire County*. National Conference on Undergraduate Research, Eau Claire, WI. April 2023. **(Poster)**
24. **NJ Wheeler** *Making sense of sensory behaviors in vector-borne helminths*. Meeting of the American Society of Parasitologists, College Station, TX. July 2022. **(Selected Talk)**
23. **NJ Wheeler** *Making sense of helminth sensory behaviors*. University of Wisconsin-Eau Claire, Eau Claire, WI. December 2021. **(Invited Talk)**
22. **NJ Wheeler** *Making sense of helminth sensory behaviors*. University of Wisconsin-Oshkosh, Oshkosh, WI. December 2021. **(Invited Talk)**
21. **NJ Wheeler** *Making sense of helminth sensory behaviors*. Uniformed Services University of the Health Sciences, Bethesda, MD. April 2021. **(Invited Talk)**
20. **NJ Wheeler**. *Uncovering the cellular and molecular program of schistosome migrations*. University of Calgary, Faculty of Veterinary Medicine, Calgary, AB. January 2021. **(Invited Talk)**
19. **NJ Wheeler**, PM Airs, M Zamanian. *Characterization of the chemosensory pathway of filarial worms*. ASTMH, Virtual. November 2020. **(Selected Talk, Young Investigator Award Winner)**
18. **NJ Wheeler**, NM Dinguirard, J Reinhard-Rupp, D Rollinson, TP Yoshino, M Zamanian. *Development of community efforts towards schistosomiasis vector genetic tools and control strategies*. ASTMH, Virtual. November 2020. **(Poster)**
17. **NJ Wheeler** *Making sense of helminth sensory behaviors*. Texas Tech University, School of Veterinary Medicine, Amarillo, TX. July 2020. **(Invited Talk)**
16. **NJ Wheeler**, M Zamanian. *Long-read RNA sequencing in neglected human parasites*. Pacific Biosciences North America User Group Meeting, Newark, DE. September 2019. **(Invited Talk)**
15. **NJ Wheeler**, ZW Heimark, PM Airs, A Mann, LC Bartholomay, M Zamanian. *Genetic and functional diversification of chemosensory pathway receptors in filarial nematode parasites*. World Association for the Advancement of Veterinary Parasitology, Madison, WI. July 2019. **(Poster)**
14. **NJ Wheeler**, PM Airs, M Zamanian. *Mining the excretory-secretory system of filarial nematodes for new anthelmintic targets*. Bridging the Divide: Parasitic Nematodes Workshop, GSA International C. elegans Conference, Los Angeles, CA, USA. June 2019. **(Invited Talk)**

13. **NJ Wheeler**, PM Airs, M Zamanian. *Long-read RNA sequencing in neglected human parasites*. Pacific Biosciences Certified Service Provider Launch, Madison, WI, USA. May 2019. **(Invited Talk)**
12. **NJ Wheeler**, K Gallo, A Golfinos, C Gilsdorf, T Meikle, M Zamanian. *Tissue-specific heterologous expression of Brugia malayi GPCRs in Caenorhabditis elegans*. Molecular Helminthology: An Integrated Approach. San Antonio, TX USA. Apr 2019. **(Poster)**
11. **NJ Wheeler**, ZW Heimark, T To, E Chen, PM Airs, M Zamanian. *Conserved and divergent aspects of chemosensory signaling in filarial parasitic nematodes*. Molecular Helminthology: An Integrated Approach. San Antonio, TX USA. Apr 2019. **(Poster)**
10. **NJ Wheeler**, M Zamanian. *New insights into neglected diseases*. University of Wisconsin-Whitewater Biology Forum, Whitewater, WI, USA. March 2019. **(Invited Talk)**
9. **NJ Wheeler**, PM Airs, M Zamanian. *Exploring new therapeutic targets for neglected parasites*. Department of Pathobiological Sciences Research Seminar, Madison, WI. March 2019 **(Selected Talk)**
8. **NJ Wheeler**, N Dinguirard, J Reinhard-Rupp, TP Yoshino, M Zamanian. *Progress towards transgenesis in Biomphalaria glabrata and implications for snail control*. Global Schistosomiasis Alliance Meeting. New Orleans, LA USA. Oct 2018. **(Selected Talk)**
7. **NJ Wheeler**, N Dinguirard, G Disselhoff, T Maier, EK Namigai, J Tycko, J Reinhard-Rupp, TP Yoshino, M Zamanian. *Towards transgenesis in Biomphalaria glabrata*. 15th International Symposium on Schistosomiasis. Rio de Janeiro, Brazil. July 2018. **(Invited Talk and Poster)**
6. **NJ Wheeler**, T Meikle, L Fraser, D Srinivasan, T To, PM Airs, MJ Kimber, LC Bartholomay, M Zamanian. *Exploring sensory pathways and behaviors in filarial nematode parasites. C. elegans* Neuronal Development, Synaptic Function & Behavior Topic Meeting, Madison, WI. June 2018. **(Poster)**
5. **NJ Wheeler**, T Meikle, LC Bartholomay, M Zamanian. *Adapting tools from free-living nematodes to study chemosensory pathways in filarial nematode parasites*. Chicago Area Worm Meeting (CHAWM). Chicago, IL. May 2018. **(Selected Talk)**
4. **NJ Wheeler**, M Zamanian. *Computational and molecular pipelines to combat neglected parasites*. Comparative Biomedical Sciences Recruitment Weekend, Madison, WI. February 2018. **(Selected Talk)**
3. **NJ Wheeler**, M Zamanian, MJ Kimber, TA Day. *The cysloop superfamily of platyhelminths and nematodes*. Molecular Helminthology: An Integrated Approach, Cape Cod, MA. March 2017. **(Poster)**
2. **NJ Wheeler**, M Zamanian, MJ Kimber, TA Day. *Anthelmintic Targets in a Genomic World: a case study in GPCRs*. Anthelmintics: Discovery to Resistance II, San Diego, CA. March 2016. **(Selected Talk)**
1. **NJ Wheeler**, M Zamanian, TA Day. *A Girardia tigrina transcriptome to aid in Neglected Tropical Disease research*. 5th Annual Midwest Neglected Infectious Diseases Meeting, West Bend, IN. July 2015. **(Selected Talk)**

## GRANTS & PROPOSALS

### Submitted proposals

**CC\* Compute-Campus: Accelerating Undergraduate Education and Discovery in AI-driven and Data-Intensive Science and Engineering.**

NSF Campus Cyberinfrastructure (CC\*)

Role: Senior Personnel | 2026-2027 | Total Costs: \$669,718

**BRC-BIO: Uncovering a chemosensory role for TRP channels in free-living and parasitic flatworms.**

NSF BRC-BIO (Unfunded, scored Highly Meritorious)

Role: Principal Investigator | 2024-2027 | Total Costs: \$500,000

### Current funding

**Molecular determinants and behavioral fingerprints of schistosome miracidia host-seeking**

NIH National Institute of Allergy and Infectious Diseases R15

Role: Principal Investigator | 2024-2027 | Total Costs: \$332,488

**Quantitative behavioral ethology of mosquito larvae**

UWEC ORSP Summer Research Experience for Undergraduates | Summer 2024

UWEC ORSP Student-Faculty Research Collaboration | Fall 2024

**Developing *Girarida dorotocephala* as a model organism for flatworm sensory biology**

UWEC ORSP Student-Faculty Research Collaboration | Fall 2024

*Previous funding***Disentangling host-parasite interactions in a model snail-trematode system**

UWEC ORSP Summer Research Experience for Undergraduates | Summer 2023

UWEC ORSP Student/Faculty Research Collaboration | Fall 2023

UWEC ORSP Summer Research Experience for Undergraduates | Summer 2024

**Building a graphical user interface for wrmXpress**

UWEC ORSP Student/Faculty Research Collaboration | Spring 2024

**Establishing molecular diagnostics for wildlife parasitology**

UWEC ORSP Student/Faculty Research Collaboration | Spring 2023

UWEC ORSP Student/Faculty Research Collaboration | Fall 2023

**A survey of intestinal parasites in the California ground squirrel *Otospermophilus beecheyi*, a unique mammalian model system for longitudinal behavioral studies**

UWEC ORSP Student/Faculty Research Collaboration | Fall 2022

**Determining the molecular basis of chemosensory behaviors in mosquito-borne filarial nematode parasites**

NIH Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship

Role: Principal Investigator | 2020-2022 | Total Direct Costs: \$137,124

**Driving schistosome-resistance in *Biomphalaria***

Merck KGaA Global Health Institute (MGHI) Postdoctoral Fellowship

Role: Principal Investigator. | 2017-2021 | Total Direct Costs: \$200,000

**An optimized CRISPR/Cas9 protocol for genome editing in *Schistosoma mansoni***

Iowa State University College of Veterinary Medicine Seed Grant

Role: Primary Author and Co-Investigator. | 2015-2017 | Total Direct Costs: \$40,000

**HONORS & AWARDS****2024:** UWEC Emerging Mentor in Research, Scholarship, and Creative Activity Award finalist**2024:** UWEC ORSP Celebration of Scholarship**2024:** UWEC CAS nominee for The Discussion Project**2023:** UWEC ORSP Celebration of Scholarship**2020:** ASTMH Young Investigator Award First Tier Mention (\$600)**2016:** Anthelmintics Conference Travel Grant**2016:** ISU GPSS Professional Advancement Grant**2016:** Interdepartmental Genetics and Genomics Travel Award**2015-2016:** Brown Research Fellowship, Iowa State University (\$10,000)**2013-2017:** Graduate College Fellowship, Iowa State University (\$14,400/year)**2013-2017:** Biotechnology Fellowship, Iowa State University (\$4,320/year)**2013:** B.S awarded with honors, William Jewell College**2009-2013:** Jewell Scholarship, William Jewell College (\$30,000/year)**UNDERGRADUATE MENTORSHIP**



*Current UWEC research mentorship***Sonja Olson** (2024 - )**Saige Maasz-Seawright** (2024 - )

2024 Diversity Mentoring Award

**Helen Gensch** (2023 - )**Sophie Willett** (2023 - )**Avery De Ruyter** (2023 - )**Chase Nelson** (2023 - )**Rachel Horejsi** (2022 - )

2024-2025 UWEC ORSP Outstanding Undergraduate Research Project Award

2023 UWEC Women In Science Scholarship

2023 UWEC Duxbury Student High Achievement Scholarship

2023 UWEC Lim Scholarship in Experimental Biology Scholarship

*Previous UWEC research mentorship***Maggie Bagatta** (2022 - 2024 | Lab Technician at Genetic Visions)**Ireland Coughlin** (2022 - 2024)**Blake Mathisen** (2022 - 2024 | Manufacturing Engineer I at Beckman Coulter)**Zach Caterer** (2022 - 2024 | Biological Engineering PhD student at University of Colorado)

2024 UWEC Outstanding Biology Senior Awardee

**Megan Wettstein** (2022 - 2024 | DVM student at University of Wisconsin-Madison)

2023 UWEC Jay Metler Pre-Veterinary Scholarship

2023 UWEC Wisconsin Rural Pre-Veterinary Scholarship

2024 UWEC Outstanding Biology Senior Awardee

**Carly Weber** (2023 - 2024 | Process Scientist at Diasorin)*UWEC other mentorship***Becca VonBank** (2024) - Biology education program - faculty recommender**Madelyn Ford** (2024) - BIOL 306 Honors contract**Catie Freymuth** (2023) - Service-learning project**Tiffany Pronschinske** (2023) - Service-learning project**Alex Richard** (2023) - Service-learning project**Claire Veeneman** (2023) - Service-learning project**Isaac Ackerman** (2023) - BIOL 305 Honors contract**Jessica Neu** (2023) - Biology education program - faculty recommender**Charlie Dovornay** (2022) - Service-learning project**Max Brenna** (2022) - Service-learning project*Previous mentorship***Elena Garncarz** (2019 - 2022 | PhD student at UW-Madison MDTP)**Lenny Nunn** (2020 - 2022 | Research intern at UW-Madison)**Michelle Cho** (2021 - 2022 | Neuroscience student at UW-Madison)**Tran To** (2017 - 2020 | PhD student at Icahn School Medicine at Mount Sinai)**Eric Chen** (2017 - 2019 | MPH student at Emory University)**Alexis Mann** (2017 | PhD student at Johns Hopkins University)**SERVICE***Departmental service:***Ongoing:** Biology EDI Committee**Ongoing:** New Science Building Committee**2025:** Lab Manager Search Committee*Service to journals:*See my [Web of Science profile](#) for a validated list of my contributions as an ad-hoc reviewer.Journals include: *BMC Research Notes*, *Microbiology Spectrum*, *Experimental Parasitology*, *BMC Genomics*, *Gene*, *PLOS Neglected Tropical Diseases*, *Molecular and Biochemical Parasitology*,

*International Journal for Parasitology: Drugs and Drug Resistance, International Journal for Parasitology, Computational and Structural Biotechnology Journal*

*Other service:*

- 2025:** *Ad hoc* reviewer for NIH NIAID Transmission of Vector-Borne and Zoonotic Diseases study section
- 2024:** American Society of Parasitologists student awards committee
- 2024:** Panelist for UWEC McNair Program discussion on work-life balance
- 2023:** Chair for two sessions at the National Conference for Undergraduate Research (NCUR)
- 2022:** Chair for two sessions at the annual meeting of the American Society of Parasitologists
- 2020:** Co-chair for the ACMCIP: Parasite Biology, Genomics and Genome Editing session at ASTMH

## AFFILIATIONS AND PROFESSIONAL DEVELOPMENT

- 2022 - **American Society of Parasitologists**
  - Member
  - Student Awards Committee
- 2020 - **American Society of Tropical Medicine and Hygiene**
  - Member
- 2019 - **Global Schistosomiasis Alliance**  
[eliminateschisto.org](https://eliminateschisto.org)
  - Member of the Research Working Group
  - Previous leader of the snail/vector control work stream

*UWEC Tier 2 EDI Workshops:*

- 2024:** Biology Department Fall 2024 Digital Accessibility Sessions
- 2022:** Recognizing and Responding to Microaggressions in the Classroom
- 2022:** Transparent Design Framework Workshop
- 2022:** Teaching Academy I
- 2022:** Teaching Academy II
- 2022:** My Personal Journey and Bias

*Other training:*

- 2018:** FR3 Minicourse, University of Wisconsin-Oshkosh, Dr. Shelly Michalski and Steve Schaar
- 2018:** Research Mentor Training, WISCIENCE, Dr. Anne Lynn Gillian-Daniel and Dr. Michelle Keller-Pearson
- 2016-2017:** Preparing Future Faculty, Iowa State University, Dr. Holly Bender and Karen Bovenmyer