**CURRICULUM VITAE**

**March 2023**

**SHANNON D. WISER**

Department of Biology, University of Oklahoma

Norman OK, 73019 USA

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**RESEARCH INTERESTS**

Research interests include animal communication and the behavioral and metabolic constraints caused by ecological changes.

**EDUCATION**

University of Oklahoma

PhD, in Biology 2022–present

University of Oklahoma

MS in Biology 2019–2022

University of Oklahoma

BS in Biology 2014-2019

Minors: Japanese and Psychology

**GRANTS AND FELLOWSHIPS**

 Amount:

Adam’s Graduate Scholarship $3,500.00 2022

Graduate Student Senate Research Grant $737.24 2021

Robert E. and Mary Sturgis Scholarship $1,500 .00 2021-2022

Biogeography of Behavior Seed Grant $1,323 .00 2021

Graduate Student Senate Research Grant $500.00 2021

Graduate Student Senate Research Grant $375.00 2020

Graduate Student Senate Travel Grant, Spring $562.50 2019

Anne and Henry Zarrow Foundation Scholarship $40,619.45 2014-2019

**HONORS AND AWARDS**

University of Oklahoma Provost’s Certificate of Distinction in Teaching 2019

University of Oklahoma Provost’s Certificate of Distinction in Teaching 2021

**PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONFERENCES**

**Wiser SD**, Markham MR (2020, January) Electrosensory and metabolic responses of weakly electric fish to changing water conductivity. Annual Meeting of the Society for Integrative and Comparative Biology, Austin, TX

**RESEARCH EXPERIENCE**

Graduate Research Assistant, University of Oklahoma 2019-Present

Supervisor, Dr. Michael R. Markham

• Studying the effects of water conductivity in weakly electric signaling and metabolism using respirometry and EOD recordings.

Undergraduate Research Assistant, University of Oklahoma 2016-2019

Supervisor, Dr. Michael R. Markham

• Studying the effects of water conductivity in weakly electric signaling and metabolism using respirometry and EOD recordings.

• Maintaining colony of research fish including indoor and outdoor faculties.

• Design and construction of fish colony system and respiration chamber.

• Electronic fabrication

• Matlab and R

Instructional Aid, University of Oklahoma 2016-2017

Social Self lab, Psychology Department

Supervisor, Dr. Mauricio Carvallo

* Setup and monitored computerized surveys.
* Assisting graduate students with data entry.

**ACADEMIC TRAINING**

2-Day Responsible Conduct of Research (RCR) training 2018

* Funded by the National Science foundation (NSF) and National Institutes of Health (NIH)
* Focused on ethical decision-making skills and ambiguities of conducting research.

2-Day Teaching Assistant Orientation (TAO) training 2019

* Covered teaching skills/strategies with a focus on critical reflection, communication, time management, and institutional policies.

**ACADEMIC TEACHING EXPERIENCE**

University of Oklahoma

BIOL-1124 Introduction to Biology Lab: Molecules/Cells/Physiology (5 semesters) 2019-2023

BIOL- 2913 Introduction to Quantitative Biology Lecture TA (1 Semester) 2022

BIOL-1105 Concepts in Biology Lab (2 semester) 2021

**PROFESSIONAL SERVICE**

University of Oklahoma Graduate Student Senate

Biology Department Representative 2021-2022

University of Oklahoma, Department of Biology 2016-Present

“Electric fish roadshow” Outreach

“Alumni All Access” Lab tour for OU Alumni Association 2016

**MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS**

Society for Integrative and Comparative Biology 2018-present

**PROFESSIONAL REFERENCES**

* Michael Markham, PhD – markham@ou.edu
	+ Associate Dean, College of Arts and Sciences; Case-Hooper Associate Professor of Biology
	+ University of Oklahoma
* Caryn Vaughn, PhD – cvaughn@ou.edu
	+ Presidential Professor of Biology; George Lynn Cross Research Professor
	+ University of Oklahoma
* Ricardo Betancur, PhD – ricardo.betancur@ou.edu
	+ Assistant Professor of Biology
	+ University of Oklahoma