

NICOLE R. HALES

Curriculum Vitae

Biology Department

The University of Texas Arlington

Arlington, TX 76019-0498

Dept. Fax: 817-272-2855

Email: Nicole.Hales@gmail.com

Web: <https://www.linkedin.com/in/nicolehales>

PROFESSIONAL POSITIONS

Graduate Teaching Assistant

University of Texas at Arlington, Biology Department, Arlington, TX 01/2016-Present

Student Associate, Department of Biology

6/2015 – 08/2015

University of Texas at Arlington, Arlington, TX

Tutor

Chemistry Clinic, University of Texas at Arlington, Arlington, TX 08/2014-05/2015

EDUCATION

Doctor of Philosophy (Ph.D.) in Quantitative Biology

01/2016-Present

University of Texas at Arlington, Arlington, TX

Advisors: Dr. Todd Castoe & Dr. Matthew Walsh

Bachelor's Degree (B.S.) in Biology minor in Chemistry

12/2015

Summa Cum Laude

University of Texas at Arlington – College of Science, Arlington, TX

Advisors: Dr. Todd Castoe – Department of Biology

Dr. Matthew Walsh- Department of Biology

Dr. Frank W. Foss- Department of Chemistry and Biochemistry

Associate's Degree in Science

05/2013

Collin County Community College- Plano, TX

PUBLICATIONS***Manuscripts In Preparation***

1. Nicole R. Hales, M. R. Walsh, D.R. Schield, D.C. Card, A.L. Andrew, and T.A. Castoe. Predator-induced transgenerational plasticity is mediated by underlying changes in gene expression. *In Review at Molecular Ecology*.

GRANTS AND AWARDS

2017 Phi Sigma Research Grant Award – University of Texas at Arlington (**\$3,000**)

2016 4th Annual UAB Workshop on Metabolomics travel fellowship – University of Alabama at Birmingham (**\$1,000**)

2015 Alumni Association Scholars Scholarship – University of Texas at Arlington. (**\$500**)

2015 The Annual Celebration of Excellence by Students (ACES) – University of Texas at Arlington

Award: Honorable Mention for oral presentation: *Novel Antibiotics Using Vitamin B1 Derivatives*. (**\$25**)

2014 I Engage Program – University of Texas at Arlington – Scholarship granted for research in Rattlesnake Genomics (**\$1,018**)

INVITED LECTURES (2)

2016 Introduction to R and R-studio. Guest lecture for Biometry – Biol 5314, Arlington, TX.

2015 Review of Introductory Genetics. Guest lecture for Genetics – Biol 3315. Arlington, TX.

PRESENTATIONS AND PUBLISHED ABSTRACTS (TOTAL)

2016 Hales, N.R.¹, Matthew R. Walsh¹, Todd A. Castoe¹, Audra L. Andrew¹, Daren Card¹, Drew R. Schield¹.

Predator-induced Transgenerational Plasticity in *D. ambigua*. Evolution (University of Texas), Austin TX

2016 Hales, N.R.¹, Matthew R. Walsh¹, Todd A. Castoe¹, Audra L. Andrew¹, Daren Card¹, Drew R. Schield¹.

Predator-induced Transgenerational Plasticity. Annual Celebration of Excellence by Students (UTA-ACES), Arlington TX

2015 Hales, N.R.¹, F.W. Foss¹, Diego Lopez¹. Novel Antibiotics Using Vitamin B1 Derivatives. Annual Celebration of Excellence by Students (UTA-ACES), Arlington TX

2015 Hales, N.R.¹, D.R. Schield¹, D.C. Card¹, Tereza Jezkova², C.L. Spencer³, and T.A. Castoe¹. Phylogeny of the Mojave Rattle Snake (*Crotalus scutulatus*). Annual Celebration of Excellence by Students (UTA-ACES), Arlington, TX.

PROFESSIONAL SOCIETIES

Phi Theta Kappa (since 2011)

Phi Sigma (since 2016)

TEACHING EXPERIENCE**Graduate Teaching Assistant** 1/2016 – Present

The University of Texas at Arlington, Arlington, TX

Human Anatomy and Physiology Laboratory (4 semesters)

STUDENT ADVISING AND TRAINING

As an undergraduate researcher in the laboratory of Dr. Castoe, I have assisted Dr. Castoe in training four undergraduate research students, **Austin Jinx**, **Ola Moussa**, **Marelize Snyman**, and **Haridja Ilunga**, and one research intern, **Kristopher Row**. My roles in the Castoe lab as an undergraduate researcher was to train incoming students, keep up with inventory demands, troubleshoot broken equipment, and maintain cleanliness in the lab. As a graduate student I have trained an additional 1 undergraduate students, **Nour Louzon**. Additionally, I serve as a rotating spokesperson for the Castoe Lab Journal Club where undergraduate researchers participating in the lab come together to have an open discussion on lab relevant scientific papers.

SERVICE

Judge – Undergraduate Poster Presentations – The Annual Celebration of Excellence by Students (ACES) – University of Texas at Arlington (2016)

Member of Biology Graduate Student Phi Sigma Society, UTA (2016-present)

Rotating spokeswoman for Journal Club for undergraduate researchers – Castoe Lab, UTA (2016- present)

Volunteer & Judge – Science Fair – Carpenter Middle School. Fall 2016.

Volunteer – Advancement via Individual Determination (AVID) – Frankfort Middle School. Spring 2017.