

COLLIN R. FUNKHOUSER
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1700 Falconer Circle, Apt 21206
Arlington, TX 76006

EDUCATION

University of Texas at Arlington, Arlington, TX
Doctor of Philosophy in Quantitative Biology: Ecology and Evolution, May 2019
Advisor: Matthew R. Walsh, Ph.D.

Texas Tech University, Lubbock, TX
Master of Science in Wildlife, Aquatic, and Wildlands Science and Management, May 2014
Advisor: David L. Rogowski, Ph.D.

Missouri State University, Springfield, MO
Bachelor of Science in Wildlife Biology and Marine Science, May 2010
Advisor: Dan Beckman, Ph.D.

Research Interests

- Organism behavioral and physiological response to novel habitats
 - Abiotic driven evolution of morphology
 - Trade-offs between form, function, and fitness
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PUBLICATIONS

2014 Walsh, M.R., D. Whittington, & **C. Funkhouser**. Thermal transgenerational plasticity in natural populations of *Daphnia*. ***Integrative & Comparative Biology***. First published online June 19, 2014 doi:10.1093/icb/ ICU078

PRESENTATIONS

Beston, S., **Funkhouser, C.**, Walsh, M., & Cushman, S. The intensity and severity of encystment patterns of black spot disease in minnow host *Rhinichthys atratulus* in Seneca watershed tributaries. Poster session presented at: Society of Freshwater Science. Annual Meeting; 2015 May 17-21; Milwaukee, WI

Funkhouser, C. & Walsh, M. Predator driven morphological changes. Paper presented at: Annual Celebration of Excellence by Students. 2015 March; Arlington, TX

Funkhouser, C. & Rogowski, D. Swimming in a Changing World: Effects on swimming endurance. Paper presentation at: Annual Texas Tech Biological Science Symposium. 2013; Lubbock, TX

Funkhouser, C. & Rogowski, D. Effect of Elevated Temperature and Salinity on Swimming Endurance of the Western Mosquitofish (*Gambusia affinis*). Paper presentation at: Annual Texas Chapter of American Fisheries Society. 2012; Lan Conroe, TX

SCHOLARSHIPS, AWARDS, & GRANTS

- 2015 ACES Provost Award (\$200)
 - Helen DeVitt Jones Part-time Graduate Fellowship (\$1500)
 - 2013 American Malacological Society Melbourne R. Carriker Student Research Award (\$600)
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RESEARCH EXPERIENCE

- Texas Tech University (2012-2013)
 - Effect of Elevated Temperature and Salinity on Swimming Endurance of the Western Mosquitofish (*Gambusia affinis*)
 - *Pyrgulopsis texana* reproduction in laboratory stream systems
 - Missouri State University (Spring 2010)
 - Differences in invertebrate communities of grassland and wooded areas
 - *Odocoileus virginianus* response to human scent
 - Gulf Coast Research Laboratory, Ocean Springs, Mississippi (Summer 2009)
 - Juvenile blue crab and grass shrimp mortality comparison in *Spartina sp.*
 - *Spartina sp.* growth pattern in different tidal regions
 - Community structure comparison between barrier island & coastal salt marshes
 - Fourteen hour observation of *Loliguncula brevis* in captivity
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WORK EXPERIENCE & INTERNSHIPS

- University of Texas at Arlington
 - Department of Biology
 - Teaching Assistant (January 2014 – Present)
 - BIOL 1434 Lab – Biology II for non-majors
 - BIOL 2458 Lab – Anatomy and Physiology II
 - BIOL 3457 Lab – General Ecology
- Texas Tech University
 - Department of Natural Resource Management
 - Teaching Assistant - Distant Learning (August 2012 – December 2013)
 - NRM 2302 – Ecology and Conservation of Natural Resources
 - TECHniques Center
 - Tutor (January 2012 – December 2013)
 - Aquatics Lab – Dr. David Rogowski
 - Lab Supervisor (January 2012 – December 2013)

Collin R. Funkhouser

- Bass Pro Shops
 - Main Store - Springfield, MO
 - Aquarist (January 2011 – December 2011)
 - Quarantine Facility - Springfield, MO
 - Quarantine Aquarist (October 2010 – December 2010)
 - Missouri State University
 - Dr. Lynn Robbins' Research Lab
 - Bat netting volunteer (Fall 2009 – 2011)
 - Dr. Day Ligon's Research Lab
 - Alligator snapping turtle field research internship (Summer 2010)
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HONOR SOCIETIES & ORGANIZATIONS

- Phi Sigma Society, Spring 2014 - Present
 - Freshwater Mollusk Conservation Society, Fall 2012 – Present
 - American Malacological Society, Fall 2012 – Present
 - Society of Environmental Toxicology and Chemistry, Spring 2012 – Present
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COURSEWORK

Marine Biology • Marine Ecology • Marine Invertebrate Zoology • Developmental Biology • General Physiology • Marine Conservation • Biogeography • Physiological Ecology • Physical Oceanography • Principles of Wildlife Management • Statistical Methods of Biologists I and II • Mammalogy • Ornithology • Winter Ecology • Behavioral Ecology • Introduction to Geospatial Information Science • Aquatic Toxicology • Freshwater Bioassessment • Statistics for Engineers and Scientists II • Fisheries Conservation and Management • Statistical Applications for Environmental Toxicology • Advanced GIS • Animal Ecophysiology • Wetland Ecology • Community Ecology • Evolution • Biological Modeling • Landscape Ecology

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REFERENCES

Matthew Walsh, Ph.D

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David Rogowski, Ph.D

Colorado River Fisheries Biologist
Arizona Game and Fish Department
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Chris Salice, Ph.D

Assistant Professor Ecology/Environmental Toxicology
The Institute of Environmental and Human Health
Texas Tech University
(806) 885-0229
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Reynaldo Patino, Ph.D.

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Leader, USGS Texas Cooperative Fish and Wildlife Unit
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