

Tyler N Turner

Department of Biological Sciences, BGSU

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EDUCATION

- 2016-2018 **Bowling Green State University**, Bowling Green, OH
Master of Science: Biological Sciences
Adviser: Dr. Karen Root, PhD
Thesis: Effects of human land use on the activity, diversity, and distribution of native bats.
- 2006-2010 **Florida Institute of Technology**, Melbourne, FL
Bachelor of Science, Molecular Biology
Bachelor of Science, General Biology

PROFESSIONAL EXPERIENCE

- 2017-2018 **Bowling Green State University**, Bowling Green, OH
-Teaching Assistant for Anatomy and Physiology. Lead labs which included microscope work and dissections, designed quizzes, supervised testing.
- 2014-2016 **Calypso Kayaking**, Merritt Island, FL
-Lead Field Guide. Lead education ecotours on the Indian River Lagoon. Identified and informed guests of local wildlife, history, and conservation efforts.
- 2013 **Virgin Islands Ecotours**, St. Thomas and St. John, USVI
-Lead Field Guide. Lead information kayaking, hiking, and snorkeling tours in the US Virgin Islands. Focus was on the biology, ecology, and history of the region while connecting with guests to help them understand the importance of the island's ecosystems.
- 2012 **Ocean Embassy**, Orlando, FL
-Consultant. Worked with a small team to handle dolphins, prepare housing and transportation, and relocate the animals to different facilities.
- 2012 **Dolphins Plus/Dolphins Cove**, Key Largo, FL
-Staff Member. Duties included taking photos for both public and veterinary reasons, large animal handling, assisted with medical procedures, and transportation of marine mammals.
- 2011 **Marine Mammal Conservancy**, Key Largo, FL
-Senior Staff Member. Worked during a five month long pilot whale mass stranding event. Duties included feeding, medicating, behavioral conditioning, blood draws, intubation, physical therapy, and transport of the whales.
- 2010-2014 **Sharpshooter Imaging**, Steamboat Springs, CO
-Action Photographer. Action and portrait photography on mountain at Steamboat Springs Ski Resort.
- 2008-2010 **Florida Institute of Technology**, Melbourne, FL
-Lab Assistant. Prepared ornithological specimens for museum samples, prepared and stored tissue samples, extracted DNA, prepared agarose gels, ran PCR's, isolated microsatellite fragments, ran basic genetics programs and statistics.

- 2006-2008 **Brevard County Zoo**, Viera, FL
-Interpretive Services. Lead educational kayak tours, informed guests about the animals and conservation efforts at the zoo.

RESEARCH & FEILD EXPERIENCE

- 2016-2018 **Effects of Human Land Use on the Activity, Diversity, and Distribution of Native Bats.** Bowling Green, OH
-Designed and implemented a three part study on native bats in the Oak Openings Region. Used acoustic monitors to record and identify bats, citizen scientists to help gather data, and ArcGIS to map and analyze patterns.
- 2015 **Mexican Grey Wolf Reintroduction Program**, Alpine, AZ
-Worked with the Arizona Game and Fish department on the reintroduction program for Mexican gray wolves. Duties included handling and drawing blood, vaccinating, collaring, setting trap lines, and tracking using radio telemetry.
- 2014 **Health and Environmental Risk Assessment of West Indian Manatee**, Crystal River, FL
-Worked with USGS, FWC, University of Miami, and other agencies to capture, sample, and tag West Indian manatee to assess health of the population.
- 2011 **Health and Environmental Risk Assessment of Bottlenose Dolphin**, Port St. Lucie, FL
-Captured and sampled bottlenose dolphins in the Indian River to assess the overall health of the Indian River Lagoon and the animals within.
- 2008 **Divergence in an archipelago and its conservation consequences in Aleutian Island rock ptarmigan**, Melbourne, FL
- Extracted DNA from rock ptarmigan tissue, ran PCR's, and analyzed microsatellite fragments to look for genetic differences among isolated island populations.

PUBLICATIONS

- Pruett, CP., **Turner, TN.**, Topp, CM., Zagrebelny, SV., and K. Winker. 2009. Divergence in an archipelago and its conservation consequences in Aleutian Island rock ptarmigan. *Conservation Genetics Journal*. 11(1): 241-248.
- Turner, T., Feucht, T., and **Turner, TN.**, Training and Behavior Management. *Encyclopedia of Marine Mammals*. 2nd ed. 2009.

PRESENTATIONS

- 2018 **Ohio Academy of Science**, Bowling Green, OH
- Formal presentation. "Effects of Landscape Characteristics on the Activity and Diversity of Native Bats."
- 2018 **US International Association for Landscape Ecology (US-IALE)**, Chicago, IL
- Formal presentation. "Examining Bat Activity and Distribution in an Agricultural Gradient."
- 2018 **North American Bat Working Group & 28th Annual Colloquium on the Conservation of Mammals in the Southeast US**, Roanoke, VA
- Formal presentation. "Examining Temporal Trends of Native Bats in Northwest Ohio"

Through Citizen Science.”

- 2018 **Oak Openings Research Forum**, Toledo, OH
- Invited Speaker. 25 minute formal presentation entitled “Bats of the Oak Openings: Activity and Distribution in a Human Dominated Landscape.”
- 2008 **Coopers Ornithological Society**, Tucson, AZ
- Poster Presentation at National Conference, Genetic Divergence of Rock Ptarmigan in the Aleutian Islands.

CERTIFICATIONS

- 2016 **CPR, First Aid Certified**, Currently up to date
- 2016 **Parks & Watercraft Tour Guide**, City of Cocoa Beach
- 2009 **PADI SCUBA Diver**, Open water certified
- 2003 **Ohio Boaters License**

GRANTS

- 2018 **US-IALE**; Student Travel Award (\$700)
- 2018 **Graduate Student Senate**; Professional Development Award (\$325)
- 2017 **Bowling Green State University**; Graduate Grant and Stipend (\$11,200)
- 2016 **Wildlife Acoustics Quarterly Grant**; Applied
- 2016 **Ohio State University MWBWG Grant**; Applied

ACTIVITIES AND HONORS

- 2018 **US Regional Association of the International Association of Landscape Ecology (US-IALE)**, Member
- 2017 **Society for Conservation Biology**, Member
- 2017 **Ohio Academy of Sciences**, Student Member
- 2008-2010 **Florida Tech Surf Club**, Member
- 2008 **Tri-Beta Biological Honor Society**, Inducted as member
- 2008 **Coopers Ornithological Society**, Member
- 2005 **Boy Scouts of America**, Eagle Scout Award

TECHNICAL SKILLS

Data Analysis:

- SPSS Data Mining and Statistical Analysis Software
- JMP Statistical Analysis Software
- R and R Studio Software
- Microsoft Excel and Access

Field and Lab Skills

- Acoustic Monitoring (Stationary and Mobile Transects)
- Foot Traps (Setting, Checking, and Releasing)
- Radio Telemetry Tracking
- Large Mammal Handling/Processing
- PIT Tagging and Radio Collaring
- GPS Experience
- Basic On-site Veterinary Skills (Blood Draws, Vaccinations, Intubation, First Aid)
- PCR Analysis
- Hiking and Back Country Camping, Kayaking, and ATV experience

Biological Tools:

- ArcGIS Programs
- RAMAS and Vortex population modeling software
- Genetics programs such as ARELEQUIN, GenePop, and NCBI Blast Database

Programming:

- Basic skills in HTML and Java programming language