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## Education

- 2015 **Ph.D.**, Wildlife Ecology and Conservation with Quantitative concentration, University of Florida: “Indirect and direct effects of red-imported fire ants on native vertebrates in the southeastern United States”, Supervisors: Robert A. McCleery (UF), L. Mike Conner (Joseph W. Jones Ecological Research Center – JERC), & Lora L. Smith (JERC).
- 2011 **MS.**, Forest Resources with Wildlife Ecology concentration, University of Arkansas – Monticello: “American Woodcock spring migration chronology, use of early successional pine stands, and distribution in Arkansas”, Supervisor: Alexandra Locher.
- 2009 **BS.**, Wildlife Ecology, University of Maine, Summa Cum Laude.

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## Work Experience

- 2022 – Pres** *Associate Professor* and Wildlife and Conservation Biology Program Coordinator – Supervisor: Dr. Sterling Wright, Murray State University, Department of Biological Sciences, Murray, KY.
- 2017 - 2022** *Assistant Professor* and Wildlife and Conservation Biology Program Coordinator – Supervisor: Dr. Sterling Wright, Murray State University, Department of Biological Sciences, Murray, KY.
- May 2016** *Visiting Scientist* – Joseph W. Jones Ecological Research Center. Newton, GA.
- 2015 – 2017** *Lecturer* – Supervisor: Dr. Nancy Dalman, University of North Georgia at Dahlonega, Department of Biology, Dahlonega, GA.
- 2011 – 2015** *Graduate Assistant* – Advisor: Dr. Robert McCleery, University of Florida / Joseph W. Jones Ecological Research Center, Newton, GA.
- 2009 – 2011** *Graduate Assistant* – Advisor: Dr. Alexandra Locher, University of Arkansas at Monticello, Monticello, AR.
- 2009** *Research Assistant* – Supervisor: Monika Parsons (MS Student), University of Maine. Study involved working with seabird colonies.
- 2008 – 2009** *Research Assistant* – Supervisor: Margaret Guyette (PhD Candidate), University of Maine. Project documenting the presence of historic anadromous fish runs in lakes.
- 2008** *Research Assistant* – Supervisor: Dan (Viorel) Popescu (PhD Candidate), University of Maine. Maine LEAP project examining the effect of forestry on amphibians.
- 2007** *Research Assistant* – Supervisor: Bernie Emmons, IBP (International Bird Populations), Fort Leonard Wood army base, Waynesville, Missouri. Involved in MAPS project examining avian productivity and survivorship.
- 2006** *Americorps Volunteer* – Employer: Maine Conservation Corps, Augusta, Maine.

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## Teaching experience

- 2017 – Pres** *Assistant Professor* – Wildlife techniques (lecture and lab), Scientific Communication for the Biologist, Principles of Wildlife Management (lecture and lab), Biological Concepts, Introduction to Wildlife and Conservation Biology, Mammalogy (lecture and lab), Wildlife Policy and Administration. Department of Biological Sciences, Murray State University.
- 2015 - 2017** *Lecturer* – Environmental Science (lecture & lab), Principles of Biology I and II (lecture & lab), and Biology – A Human Perspective (lab only), Ecology (lecture & lab). University of North Georgia – Dahlonega.
- 2015** *Co-Instructor* (Summer) – Mammalian Ecology and Evolution in the Southeastern USA. University of Florida.
- 2014** *Teaching Assistant* (Fall) – Conservation Biology, University of Florida.  
Supervisor: Dr. Lyn Branch
- 2013** *Invited Field Instructor* (Spring) – Wildlife Techniques. University of Florida.  
Supervisor: Dr. Bob McCleery
- 2011** *Teaching Assistant* (Fall) – Wildlife Techniques, University of Florida.  
Supervisor: Dr. Bob McCleery
- 2010** *Teaching Assistant* (Fall) – Introduction to GIS. University of Arkansas at Monticello, Supervisor: Dr. Alexandra Locher

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## Peer-reviewed articles

\* Denotes an undergraduate or graduate student mentee as a coauthor

18. Barnes, G., K. Slankard, J. Hewlett, & **A.K. Darracq**. (In press) Tradeoffs may counteract effects of telecommunication towers on osprey nesting. *Human-Wildlife Interactions*.
17. Kays, R., M. Cove, J. Diaz, additional authors..., **A.K. Darracq**. (2022) SNAPSHOT USA 2020: A second coordinated national camera trap survey of the United States during the COVID-19 pandemic. *Ecology* e3775.
16. **Darracq, A.K.**, S. Hromada, L. Neighbors\*, L.L. Smith, L.M. Conner, & R.M. McCleery. 2022. Reducing populations of an invasive ant influences survival, growth, and diet of southern toads (*Anaxyrus terrestris*). *Journal of Herpetology* 56: 84-91.
15. Cove, M., R. Kays, H. Bontrage, additional authors..., **A.K. Darracq**. (2021) SNAPSHOT USA 2019: The first coordinated national camera trap survey of the United States. *Ecology* 102: e03353.
14. Hewlett, J.B.\* & **A.K. Darracq**. (2020) Natural History Note. *Crotalus horridus* (Timber rattlesnake) arboreal behavior. *Herpetological Review* 51: 612-613.

13. **Darracq, A.K.** and J. Tandy\* (2019) Misuse of Habitat Terminology by Wildlife Educators, Scientists, and Organizations. *Journal of Wildlife Management* 83:782-789.
12. **Darracq, A.K.**, L.L. Smith, L.M. Conner, & R.A. McCleery (2017) Invasive ants influence native lizard populations. *Ecosphere* 8(1):e01657.
11. **Darracq, A.K.**, L.M. Conner, J.S. Brown, & R.A. McCleery (2016) Cotton rats alter foraging in response to an invasive ant. *PLoS ONE* 11:e0163220.
10. **Darracq, A.K.**, W.W. Boone, & R.A. McCleery (2016) Burn regime matters: A review of the effects of prescribed fire on vertebrates in the longleaf pine ecosystem. *Forest Ecology and Management* 378:214-221.
9. Haase, K., **A.K. Long**, & J. Gillooly (2016) Linking stress hormone levels to metabolic rate in mammals. *Biology Letters* 12(1).
8. Dziadzio, M., **A.K. Long**, L.L. Smith, & S. Castleberry (2016) Presence of the red-imported fire ant at gopher tortoise nests. *Wildlife Society Bulletin* 40: 202-206.
7. **Long, A.K.**, L.L. Smith, L.M. Conner, & R.A. McCleery (2015) Effects of an invasive ant and native predators on cotton rat survival and recruitment. *Journal of Mammalogy* 96:1135-1141.
6. **Long, A.K.**, D. Knapp, L. McCullough, L.L. Smith, L.M. Conner, & R.A. McCleery (2015) Southern toads alter their behavior in response to red-imported fire ants. *Biological Invasions* 17:2179-2186.
5. **Long, A.K.** (2013) *Sceloporus undulatus* (Eastern Fence Lizard). Feeding behavior. *Herpetological Review* 44:513-514.
4. **Long, A.K.** & A. Locher (2013) American Woodcock (*Scolopax minor*) habitat use on pine plantations during spring in central Arkansas. *Wilson Journal of Ornithology* 125: 322-328.
3. **Long, A.K.**, K. Bailey, D.U. Greene, C. Tye, C. Parr, H.K. Lepage, K.H. Gielow, A. Monadjem, & R.A. McCleery (2012) Multi-scale habitat selection of *Mus minutoides* in the Lowveld of Swaziland. *African Journal of Ecology* 51: 493-500.
2. **Long, A.K.** & A. Locher (2011) The efficacy of thermal imaging for documenting American woodcock. *Journal of the Arkansas Academy of Science* 65:173-175.
1. **Long, A.K.**, W. Ashe, K. Ravana, & K. Simon (2011) The effects of water velocity and sediment size on *Acroneuria abnormis* (Plecoptera: Perlidae) entrainment. *Aquatic Insects* 33:105-112.

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## Book Publications

1. Huang, C., J. Crook-Hill, **A.K. Darracq**, H. Collantes, J. Wilkinson, E. Aganovic, and T. Bell (2018) Introduction to Ecology (Open Course). Biological Sciences Ancillary Materials. 7. <<https://oer.galileo.usg.edu/biology-ancillary/7/>>

## Grants

- 2022** Co-PI: Dr. Howard Whiteman. The Center for Healthy Air Water and Soil, University of Louisville. (\$26,278)  
Project: Green Heart Biodiversity Monitoring
- Cooperative Agreement, USFWS, Clarks River National Wildlife Refuge. (\$9,304)  
Project: Cooperative Agreement for Summer Interns between Murray State University and Clarks River National Wildlife Refuge
- Co-PI: Dr. Matthew Springer (UK). Wildlife Services, United States Department of Agriculture. (\$18,592)  
Project: Black Vulture Nest Success, Fledgling Movement and Survival
- US Forest Service, United States Department of Agriculture. (\$16,000)  
Project: Development of Biomarkers to Evaluate Physiological Condition of Freshwater Mussels
- Co-PI: Dr. Howard Whiteman. Kentucky Chapter of The Wildlife Society. (\$1,500)  
Project: KYCTWS and MSU Joint Student Internship
- 2021** Co-PI: Dr. Howard Whiteman. Colorado Reptile Humane Society. (\$12,000)  
Project: Effects of Races on Box Turtle Survival and Stress
- Co-PI: Dr. Howard Whiteman. The Center for Healthy Air Water and Soil, University of Louisville. (\$16,346)  
Project: Green Heart Biodiversity Monitoring
- Cooperative Agreement, USFWS, Clarks River National Wildlife Refuge. (\$9,304)  
Project: Cooperative Agreement for Summer Interns between Murray State University and Clarks River National Wildlife Refuge
- Co-PI: Clay Bliznick. Kentucky Ornithological Society. (\$1,750)  
Project: Assessing Biodiversity Responses to Restoration in Urban Ecosystems
- Co-PI: Phil Kavouriaris. Kentucky Ornithological Society. (\$1,000)  
Project: Assessing the Life History and Ecological Role of Black Vultures (*Coragyps atratus*) in Kentucky

- 2020** Co-PI: Dr. Howard Whiteman. The Center for Healthy Air Water and Soil, University of Louisville. (\$11,995)  
 Project: Green Heart Biodiversity Monitoring  
 Co-PIs: Michael Johnson, Jessica Morris, Kimberly Sykes. USFWS. (\$25,000)  
 Project: Initiating 5 Community Invasive Species Task Forces to Map and Treat Problem Invasive Plants in the Riverlands Region (see attached map which incorporates various NWRs lands)
- Co-PI: Clay Bliznick. Kentucky Ornithological Society. (\$1,000)  
 Project: Assessing Biodiversity Responses to Restoration in Urban Ecosystems
- 2019** Co-PI: Dr. Howard Whiteman. The Center for Healthy Air Water and Soil, University of Louisville. (\$13,016)  
 Project: Green Heart Biodiversity Monitoring
- Joint Venture Agreement, USDA Forest Service, Southern Research Station. (\$8,000)  
 Project: Development of Biomarkers to Evaluate Physiological Condition of Freshwater Mussels
- Murray State University Community on Institutional Studies and Research Grants (\$3,445)  
 Project: Assessing the Influence of Stress on Snake Fungal Disease Dynamics
- 2018** Murray State University Bring Learning to Life Grant (\$1,480)
- 2017** University of North Georgia CURCA Mini-grant – Dahlenega (\$2,600)  
 Project: “Feel the burn: Assessing the effects of red-imported fire ants on the diet of southern toads”
- 2016** Joseph W. Jones Ecological Research Center (\$3,000)  
 Project: “Assessing factors underlying how raccoons perceive predation risk”
- 2010** Arkansas Audubon Society (Fall: \$600)  
 Project: “American woodcock spring migration chronology and clearcut use in central Arkansas”
- USFWS Division of Migratory Birds (5,000) – Locher, A. & A. Long  
 Project: “American Woodcock migration chronology and clearcut use in Arkansas”
- Arkansas Audubon Society (Spring: \$1,000)  
 Project: “American woodcock distribution and habitat use during spring migration periods in Central Arkansas”
- 2009** Arkansas Audubon Society (Fall: \$400)  
 Project: “American woodcock distribution and habitat use during spring migration periods in Central Arkansas”

## Graduate and Honors Thesis Student Mentees

### *Graduated – MS students*

1. Kiersten Youngquist – “Factors Affecting the Decline of Native, Freshwater Mussels in Kentucky” (Graduated Summer 2020)

2. John Hewlett – “Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*)” (Graduated Summer 2021)

*In progress – MS Students*

1. Clay Bliznick – “Assessing Biodiversity Responses to Restoration in Urban and Wetland Ecosystems” (Expected Graduation Spring 2022)
2. Phil Kavouriaris – “Tracking Survival of Juvenile Black Vultures and Assessing their Roles in Scavenging Communities” (Expected Graduation Fall 2022).
3. Brandon Preston (co-advised with Dr. Howard Whiteman) – “Linking greening, biodiversity, and human health” (Expected Graduation Fall 2023)
4. Evan Barr – “Assessing the Influence of Flooding Events on Mammalian and Avian Communities” (Expected Graduation Fall 2023)
5. Michelle Weaver – “Title TBD” (Expected Graduation Spring 2025)

*Graduated - Undergraduate Honors Thesis*

1. Emma Fehlker-Campbell – “Understanding Relationships between Parasitism, Disease, and Health Biomarkers in Snakes” (Defended Spring 2022)

*In progress - Undergraduate Honors Thesis*

1. Frannie Hincks – “Title TBD” (Expected Fall 2022)

## **Awards & Scholarships**

- 2015** Outstanding Graduate Student of the Year Award – Dept. of Wildlife Ecology and Conservation, University of Florida
- 2014** 1<sup>st</sup> place oral presentation – The Wildlife Society Annual Conference, Pittsburgh, PA
- 1<sup>st</sup> place oral presentation – Georgia Chapter of the Wildlife Society, Tifton, GA
- UF Graduate Student Council travel award to attend Wildlife Society Conference
- 4<sup>th</sup> place Herpetologist’s League graduate student award, oral presentation – Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN
- Honorable mention oral presentation – Gainesville Herpetological Conference, Gainesville, FL
- 2013** 2<sup>nd</sup> place poster presentation – 35<sup>th</sup> annual Gopher Tortoise Council meeting, St. Augustine, FL
- 2012** Jennings Scholarship, Dept. of Wildlife Ecology and Conservation, U. of Florida
- 2011** Best Graduate Student Award – University of Arkansas at Monticello
- 2<sup>nd</sup> place oral presentation – FL/AL Ornithological Meeting, Dauphin, AL
- Southeastern Natural Resources Graduate Student Symposium travel award
- 2010** 1<sup>st</sup> place graduate, environmental science oral presentation – Arkansas Academy of Science annual meeting, Little Rock, AR
- 2009** New England Outdoor Writers Association Scholarship
- 2007 – 2009** Penobscot County Conservation Association Scholarship

## Presentations

\*Denotes an MSU undergraduate student co-author.

§ Denotes an MSU graduate student co-author.

99. Weaver, M<sup>§</sup>, J Hewlett, SL Deem, J Palmer, M Brenn-White, K Apakupakul, A Heeb, C Light, C Casey, and **AK Darracq**. (2022) Assessing the influence of habitat characteristics and brood parasitism on wood duck nest box use and success. Turtle Survival Alliance. Aug. 10. Oral presentation.
98. J Murphy\* and **AK Darracq**. (2022) Assessing the influence of habitat characteristics and brood parasitism on wood duck nest box use and success. SUPERB Conference. Aug. 13. Poster presentation.
97. C Lemons\* and **AK Darracq**. (2022) Assessing mesopredator foraging habits in response to an extirpated and extant predator. SUPERB Conference. Aug. 13. Poster presentation.
96. B Preston<sup>§</sup> and **AK Darracq**. (2022) Biodiversity responses to urban greening and its connections to human health. SUPERB Conference. Aug. 13. Poster presentation.
95. Kavouriaris, P<sup>§</sup>, **AK Darracq**, and M. Springer. (2022) Analyzing post-fledgling movements and estimating home ranges of first-year black vultures (*Coragyps atratus*) in Kentucky. SUPERB Conference. Aug. 13. Oral presentation.
94. Lawrence, B\*, H Whiteman, and **AK Darracq**. (2022) Assessing the influence of urban greening on urban arthropods. Watershed Studies Institute Symposium. Apr. 13. Oral presentation.
93. Kavouriaris, P<sup>§</sup>, **AK Darracq**, and M. Springer. (2022) Analyzing post-fledgling movements and estimating home ranges of first-year black vultures (*Coragyps atratus*) in Kentucky. Watershed Studies Institute Symposium. Apr. 13. Oral presentation.
92. Fehlker-Campbell, E\*, JB Hewlett JB<sup>§</sup>, and **AK Darracq**. (2022) Understanding relationships between stress, snake fungal disease, and parasitism in wild cottonmouth snake populations. Watershed Studies Institute Symposium. Apr. 13. Oral presentation.
91. **Darracq, AK**, C Bliznick, M Flinn, and H Whiteman. (2022) Assessing factors driving avian diversity in bottomland hardwood forest restoration sites. Kentucky Chapter of The Wildlife Society. Feb. 18. Oral presentation.
90. Kavouriaris, P<sup>§</sup>, **AK Darracq**, and M. Springer. (2022) Analyzing post-fledgling movements and estimating home ranges of first-year black vultures (*Coragyps atratus*) in Kentucky. Kentucky Chapter of The Wildlife Society. Feb. 18. Oral presentation.
89. Fehlker-Campbell, E\*, JB Hewlett JB<sup>§</sup>, and **AK Darracq**. (2022) Understanding relationships between stress, snake fungal disease, and parasitism in wild cottonmouth snake populations. Kentucky Chapter of The Wildlife Society. Feb. 18. Oral presentation.
88. Fehlker-Campbell, E\*, JB Hewlett JB<sup>§</sup>, and **AK Darracq**. (2021) Understanding relationships between stress, snake fungal disease, and parasitism in wild cottonmouth snake populations. Southeastern Association of Fish and Wildlife Agencies. Oct. 20. Poster presentation.
87. Kavouriaris, P<sup>§</sup>, **AK Darracq**, M. Springer. (2021) Documenting Scavenger Community Composition and Species Diversity in Western Kentucky. Southeastern Association of Fish and Wildlife Agencies. Oct. 20. Poster presentation.
86. **Darracq AK**, JB Hewlett<sup>§</sup>, and G ZeRuth. (2021) Monitoring Relationships Between Corticosterone and Snake Fungal Disease in Timber Rattlesnakes (*Crotalus horridus*). Southeastern Association of Fish and Wildlife Agencies. Oct. 20. Oral presentation.
85. **Darracq AK**. (2021) Community Conversation: Birds, Bats, and Bugs in Your Neighborhood. Greenheart Louisville. Oral presentation.
84. Kavouriaris, P<sup>§</sup>, **AK Darracq**, M. Springer. (2021) Documenting Scavenger Community Composition and Species Diversity in Western Kentucky. SUPERB summer institute. Poster presentation.

83. Sisson, A\*, **AK Darracq**, JB Moon. (2021) A Comparison of the Dermal Swab and Waterborne Methods for Measuring Corticosterone Levels in Amphibians for Use in Wetland Condition Assessments. SUPERB summer institute. Poster presentation.
82. Barr R\*, J Tandy\*, E Clouse\*, B Calhoun\*, and **AK Darracq**. (2021) Effects of Timber Management on Mammal Communities in Bottomland Hardwood and Xero-hydric Forests. SUPERB summer institute. Poster presentation
81. Konner, K\* and **AK Darracq**. (2021) Diet Composition of Coyotes on Clarks River National Wildlife Refuge. SUPERB summer institute. Poster presentation
80. Bliznick C<sup>§</sup>, A Bhatnagar, T Smith, H Whiteman, and **AK Darracq**. (2021) Assessing the Influence of Greening on Biodiversity and Human Health in Urban Residential Areas. SUPERB summer institute. Poster presentation
79. Fehlker-Campbell, E\*, JB Hewlett JB<sup>§</sup>, and **AK Darracq**. (2021) Understanding relationships between stress, snake fungal disease, and parasitism in wild cottonmouth snake populations. SUPERB summer institute. Poster presentation
78. Zerger, M\*, K Reider, **AK Darracq**, and H Whiteman. (2021) Morph- and sex-specific differences in corticosterone of the Arizona Tiger Salamander (*Ambystoma mavortium nebulosum*). SUPERB summer institute. Poster presentation. **Awarded 1<sup>st</sup> place student poster presentation.**
77. **Darracq AK**, LM Conner, LS Smith, and RA McCleery. (2021) Effects of an Invasive Ant on Vertebrates in the Southeastern United States. Invited seminar speaker at the University of Kentucky. Apr. 26. Oral presentation.
76. Zerger, M\*, K Reider, **AK Darracq**, and H Whiteman. (2021) Morph- and sex-specific differences in corticosterone of the Arizona Tiger Salamander (*Ambystoma mavortium nebulosum*). Joint Meeting of Ichthyologists and Herpetologists. Virtual Conference. Oral presentation. **Tracy Storer Award in Herpetology.**
75. Zerger, M\*, K Reider, **AK Darracq**, and H Whiteman. (2021) Morph- and sex-specific differences in corticosterone of the Arizona Tiger Salamander (*Ambystoma mavortium nebulosum*). KY TWS Annual Meeting. Virtual Conference. Poster presentation.
74. Fehlker-Campbell, E\*, JB Hewlett JB<sup>§</sup>, and **AK Darracq**. (2021) Understanding relationships between stress, snake fungal disease, and parasitism in wild cottonmouth snake populations. KY TWS Annual Meeting. Virtual Conference. Poster presentation.
73. Hewlett JB<sup>§</sup>, G Zeruth, and **AK Darracq**. (2021) Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*). KY TWS Annual Meeting. Virtual Conference. Poster presentation. **Awarded 1<sup>st</sup> place student poster presentation.**
72. **Darracq, A.** (2020) A Young Professional's View of Sustainability and Wildlife Conservation. Invited speaker for Relevance of Sustainable Use of Wildlife in a Changing Society symposium. The Wildlife Society. Virtual Conference. Oral presentation.
71. Barnes G\*, J Hewlett<sup>§</sup>, K Slankard, L Taylor, and **AK Darracq**. (2020) Assessing the Influence of Telecommunication Towers on Osprey (*Pandion haliaetus*) Nesting and Behaviors in Western Kentucky. The Wildlife Society. Virtual Conference. Oral presentation.
70. Bliznick C<sup>§</sup>, A Bhatnagar, T Smith, H Whiteman, and **AK Darracq**. (2020) Assessing the Influence of Greening on Biodiversity and Human Health in Urban Residential Areas. The Wildlife Society. Virtual Conference. Poster presentation.
69. Hewlett JB<sup>§</sup>, G Zeruth, and **AK Darracq**. (2020) Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*). The Wildlife Society. Virtual Conference. Poster presentation.
68. Gibbons B\*, Youngquist K<sup>§</sup>, W Haag, and **AK Darracq**. (2020) Native Mussels Increase Biofilm Production. The Wildlife Society. Virtual Conference. Poster presentation.



67. Barr R\*, J Tandy\*, E Clouse\*, B Calhoun\*, and **AK Darracq**. (2020) Effects of Timber Management on Mammal Communities in Bottomland Hardwood and Xero-hydric Forests. The Wildlife Society. Virtual Conference. Poster presentation.
66. Gibbons B\*, Youngquist K<sup>§</sup>, W Haag, and **AK Darracq**. (2020) Native Mussels Increase Biofilm Production. Kentucky Chapter of the Wildlife Society. Jamestown, KY. Poster presentation.
65. Hewlett JB<sup>§</sup>, G ZeRuth, and **AK Darracq**. (2020) Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*). Southeastern Partners in Amphibian Conservation. Nauvoo, AL. Oral presentation.
64. Gibbons B\*, Youngquist K<sup>§</sup>, W Haag, and **AK Darracq**. (2020) Native Mussels Increase Biofilm Production. Kentucky Chapter of the Wildlife Society. Jamestown, KY. Poster presentation.
63. Bliznick C<sup>§</sup>, A Bhatnagar, T Smith, H Whiteman, and **AK Darracq**. (2020) Assessing the Influence of Greening on Biodiversity and Human Health in Urban Residential Areas. Kentucky Chapter of the Wildlife Society. Jamestown, KY. Poster presentation.
62. Barr R\*, J Tandy\*, E Clouse\*, B Calhoun\*, and **AK Darracq**. (2020) Effects of Timber Management on Mammal Communities in Bottomland Hardwood and Xero-hydric Forests. Kentucky Chapter of the Wildlife Society. Jamestown, KY. Poster presentation.
61. Hewlett JB<sup>§</sup> and **AK Darracq**. (2020) Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*). Kentucky Chapter of the Wildlife Society. Jamestown, KY. Oral presentation.
60. Barnes G\*, J Hewlett<sup>§</sup>, K Slankard, L Taylor, and **AK Darracq**. (2020) Assessing the Influence of Telecommunication Towers on Osprey (*Pandion haliaetus*) Nesting and Behaviors in Western Kentucky. Kentucky Chapter of the Wildlife Society. Jamestown, KY. Oral presentation.
59. Youngquist K<sup>§</sup>, W Haag, B Gibbons\*, and **AK Darracq**. (2020) Effects of Asian Clams, *Corbicula fluminea*, on Adult Freshwater Mussels. Kentucky Chapter of the Wildlife Society. Jamestown, KY. Oral presentation. **Awarded 1<sup>st</sup> place oral presentation.**
58. Haag WR, SJ Price, **AK Darracq**, JJ Culp, and MM McGregor. (2019) Biomarker Responses of Juvenile Freshwater Mussels to Starvation and Exposure to Ambient Stream Conditions. Freshwater Mollusk Conservation Society. San Antonio, TX. Oral presentation.
57. Hooker KR, **AK Darracq**, LM Conner, and RA McCleery. (2019) Invasive predator activity does not influence native mammal population demography. American Society of Mammalogists. Washington, D.C. Oral presentation.
56. **Darracq AK**, J Tandy\*, DA Miller, and P Krausman. (2019) Misuse of Habitat Terminology, Implications, and Potential Solutions. Invited speaker to open the symposium titled "Habitat: A Concept by Any Other Name Would (Not) Smell as Sweet". TWS/AFS Joint Conference. Reno, NV. Oral presentation.
55. **Darracq AK**, N Lederman, K Irons. (2019) The Biologists' Role in the Management and Spread of Invasive Species. TWS/AFS Joint Conference. Reno, NV. Oral presentation.
54. **Darracq AK**, LM Conner, LS Smith, and RA McCleery. (2019) Effects of an Invasive Ant on Vertebrates in the Southeastern United States. Invited seminar speaker at the University of Kentucky. Dec. 11. Oral presentation.
53. Barnes G\*, JB Hewlett, **AK Darracq**. (2019) Assessing the Prevalence and Distribution of Snake Fungal Disease Among Snake Populations in Western Kentucky. Murray, KY. Watershed Studies Institute (WSI) Symposium. Oral presentation.
52. Barnes G\*, J Hewlett, K Slankard, L Taylor, **AK Darracq**. (2019) Assessing the Influence of Telecommunication Towers on Osprey (*Pandion haliaetus*) Nesting and Behaviors in Western Kentucky. Kentucky Academy of Sciences. Berea, KY. **Received 1<sup>st</sup> place in the ecology oral presentation category.**
51. Hewlett JB<sup>§</sup> and **AK Darracq**. (2019) Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*). Kentucky Chapter of The Wildlife Society Annual Meeting. Lucas, KY. Poster presentation.

50. Tandy J\* and **AK Darracq**. (2019) Misuse of Habitat Terminology by Wildlife Educators, Scientists, and Organizations. Kentucky Chapter of The Wildlife Society Annual Meeting. Lucas, KY. Poster presentation.
49. Neighbors L\*, LM Conner, LL Smith, RA McCleery, and **AK Darracq**. (2019) Red-imported Fire Ant (*Solenopsis invicta*) Management Alters the Diet of Southern Toads (*Anaxyrus terrestris*). Kentucky Chapter of The Wildlife Society Annual Meeting. Lucas, KY. Poster presentation.
48. Barnes G\*, JB Hewlett<sup>§</sup>, and **AK Darracq**. (2019) Assessing the Prevalence and Distribution of Snake Fungal Disease Among Snake Populations in Western Kentucky. Kentucky Chapter of The Wildlife Society Annual Meeting. Kentucky Chapter of The Wildlife Society Annual Meeting. Lucas, KY. Poster presentation.
47. Hewlett JB<sup>§</sup> and **AK Darracq**. (2019) Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*). Four Rivers Watershed Sustainability Summit. Murray, KY. Poster presentation.
46. Barnes G\*, JB Hewlett<sup>§</sup>, and **AK Darracq**. (2019) Assessing the Prevalence and Distribution of Snake Fungal Disease Among Snake Populations in Western Kentucky. Four Rivers Watershed Sustainability Summit. Murray, KY. Poster presentation.
45. Youngquist K<sup>§</sup>, W Haag, B Gibbons\*, and **AK Darracq**. (2019) Effects of Asian Clams, *Corbicula fluminea*, on Adult Freshwater Mussels: A Proposal. Freshwater Mollusk Conservation Society. San Antonio, TX. Poster presentation.
44. Barnes G\*, JB Hewlett<sup>§</sup>, and **AK Darracq**. (2019) Assessing the Prevalence and Distribution of Snake Fungal Disease Among Snake Populations in Western Kentucky. Sigma Xi Banquet. Murray, KY. **Received 1<sup>st</sup> place biology poster presentation.**
43. Hewlett JB<sup>§</sup> and **AK Darracq**. (2019) Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*). Biology of Pitvipers Symposium. Rodeo, NM. Poster presentation.
42. Youngquist K<sup>§</sup>, W Haag, B Gibbons\*, and **AK Darracq**. (2019) Effects of Asian Clams, *Corbicula fluminea*, on Adult Freshwater Mussels. SUPERB Summer Institute. Morrilton, AR. Poster presentation.
41. Hewlett JB<sup>§</sup> and **AK Darracq**. (2019) Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*). SUPERB Summer Institute. Morrilton, AR. Poster presentation.
40. Barnes G\*, JB Hewlett<sup>§</sup>, and **AK Darracq**. (2019) Documenting the Presence of Snake Fungal Disease in Snake Species Within Western Kentucky. SUPERB Summer Institute. Morrilton, AR. Poster presentation.
39. Barnes G\*, J Hewlett<sup>§</sup>, K Slankard, L Taylor, and **AK Darracq**. (2019) Assessing the Influence of Telecommunication Towers on Osprey (*Pandion haliaetus*) Nesting and Behaviors in Western Kentucky. SUPERB Summer Institute. Morrilton, AR. Poster presentation.
38. Calhoun B\* and **AK Darracq**. (2019) Assessing the Effect of Swamp Rabbit Latrines on Invertebrate Diversity. SUPERB Summer Institute. Morrilton, AR. Poster presentation.
37. Clouse, E\*, J Tandy\*, and **AK Darracq**. (2019) Effects of Timber Management on Mammal Communities in Bottomland Hardwood and Xero-hydric Forests. SUPERB Summer Institute. Morrilton, AR. Poster presentation.
36. Youngquist K<sup>§</sup>, W Haag, B Gibbons\*, and **AK Darracq**. (2019) Effects of Asian Clams, *Corbicula fluminea*, on Adult Freshwater Mussels. TWS/AFS Joint Conference. Reno, NV. Poster presentation.
35. Barnes G\*, J Hewlett<sup>§</sup>, K Slankard, L Taylor, and **AK Darracq**. (2019) Assessing the Influence of Telecommunication Towers on Osprey (*Pandion haliaetus*) Nesting and Behaviors in Western Kentucky. TWS/AFS Joint Conference. Reno, NV. Poster presentation.
34. Calhoun B\* and **AK Darracq**. (2019) Assessing the Effect of Swamp Rabbit Latrines on Invertebrate Diversity. TWS/AFS Joint Conference. Reno, NV. Poster presentation.

33. Tandy J\*, E Clouse\*, and **AK Darracq**. (2019) Effects of Timber Management on Mammal Communities in Bottomland Hardwood and Xero-hydric Forests. TWS/AFS Joint Conference. Reno, NV. Poster presentation.
32. Vance B\* and **AK Darracq**. (2019) Assessing the Influence of Puddling Behavior on Butterfly Survival and Fecal Decomposition: A Proposal. TWS/AFS Joint Conference. Reno, NV. Poster presentation.
31. Barnes G\*, J Hewlett<sup>§</sup>, K Slankard, L Taylor, and **AK Darracq**. (2019) Assessing the Influence of Telecommunication Towers on Osprey (*Pandion haliaetus*) Nesting and Behaviors in Western Kentucky. AFO-WOS Joint Conference. Cape May, NJ. Poster presentation.
30. Youngquist K<sup>§</sup>, W Haag, B Gibbons\*, and **AK Darracq**. (2019) Effects of Asian Clams, *Corbicula fluminea*, on Adult Freshwater Mussels. Kentucky Academy of Science. Berea, KY. Poster presentation.
29. Hewlett JB<sup>§</sup> and **AK Darracq**. (2019) Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*). Kentucky Academy of Sciences. Berea, KY. Poster presentation.
28. Bliznick C<sup>§</sup>, A Bhatnagar, T Smith, H Whiteman, and **AK Darracq**. (2019) Assessing the Influence of Greening on Biodiversity and Human Health in Urban Residential Areas. Kentucky Academy of Science. Berea, KY. Poster presentation.
27. Tandy, J\* and **AK Darracq**. (2018) Misuse of Habitat Terminology in Wildlife Biology Education and Literature. The Wildlife Society Annual Meeting. Poster presentation.
26. Neighbors, L\* and **AK Darracq**. (2018) Red-imported Fire Ant Management Alters the Diet of Southern Toads. The Wildlife Society Annual Meeting. Poster presentation.
25. Calhoun, B\* and **AK Darracq**. (2018) Small Mammal Response to Prescribed Fire in Hardwood Forests. SUPERB Summer Institute. Poster presentation (proposal).
24. Hewlett, J\* and **AK Darracq**. (2018) Assessing the Influence of Stress and Behavior on Susceptibility to and Recovery from Snake Fungal Disease in the Timber Rattlesnake (*Crotalus horridus*). SUPERB Summer Institute. Poster presentation.
23. Neighbors, L\* and **AK Darracq**. (2018) Effects of Prescribed Fire on Acoustic Properties of Bird Songs. SUPERB Summer Institute. Poster presentation (proposal).
22. Barnes, G\*, J Hewlett\*, and **AK Darracq**. (2018) Assessing the Prevalence and Distribution of Snake Fungal Disease among Snake Populations in Western Kentucky. SUPERB Summer Institute. Poster presentation.
21. Neighbors, L\*, **AK Darracq**, and K He. (2018) Red-imported Fire Ant Management Alters the Diet of Southern Toads. Murray State University Scholars Week. Poster presentation.
20. Tandy, J\* and **AK Darracq**. (2018) Misuse of Habitat Terminology in Ecology. Murray State University Scholars Week. Poster presentation.
19. **Darracq, AK**, DS Scheuer, LM Conner, LL Smith, and RA McCleery. (2018) Effects of an Invasive Ant on Cotton Rats: Stress Differs by Sex and Reproductive State. Gordon Research Conference on Predator-Prey Interactions. Poster Presentation.
18. **Darracq, AK**, LL Smith, LM Conner, and RA McCleery. (2017) Feel the burn: Southern toad metamorph survival is reduced by red imported fire ants. Southeastern Association of Fish and Wildlife Agencies annual meeting. Oral presentation.
17. **Long, AK**, LL Smith, LM Conner, and RA McCleery. (2015) Population Level and Physiological Effects of Invasive Fire Ants on Cotton Rats. American Society of Mammalogists Annual Meeting, Jacksonville, FL. Oral presentation.
16. **Long, AK**, LL Smith, LM Conner, and RA McCleery. (2014) Population Level Effects of Invasive Fire Ants on Cotton Rats and Eastern Fence Lizards. Wildlife Society Annual Meeting, Pittsburgh, PA. Oral presentation.
15. Hromada, SJ\*, **AK Long**, LL Smith, LM Conner, and RA McCleery. (2014) The Effect of Red-imported Fire Ant Management on the Diet of Southern toads. 36<sup>th</sup> Annual Gopher Tortoise Meeting, 16-18 October 2014, Albany, GA, USA. Poster presentation.

14. **Long, AK**, LL Smith, LM Conner, and RA McCleery. (2014) Population Level Effects of Invasive Fire Ants on Cotton Rats and Eastern Fence Lizards. Georgia Chapter of the Wildlife Society Meeting. Oral presentation.
13. **Long, AK**, LL Smith, LM Conner, and RA McCleery. (2014) The effect of red-imported fire ants on eastern fence lizard recruitment and survival. Joint Meeting of Ichthyologists and Herpetologists. Oral presentation.
12. **Long, AK**, LL Smith, LM Conner, and RA McCleery. (2014) The effect of red-imported fire ants on eastern fence lizard recruitment and survival. Florida TWS meeting. Oral presentation.
11. **Long, AK**, LL Smith, LM Conner, and RA McCleery. (2014) The effect of red-imported fire ants on eastern fence lizard recruitment and survival. Gainesville Herpetological Meeting. Oral presentation.
10. **Long, AK**, LL Smith, LM Conner, and RA McCleery. (2013) The effects of the red imported fire ant on eastern fence lizard recruitment. 35<sup>th</sup> Gopher Tortoise Council meeting. Poster presentation.
9. Knapp, D.\*, **AK Long**, LL Smith, LM Conner, and RA McCleery. (2013) The effects of the red imported fire ant on eastern fence lizard recruitment. 35<sup>th</sup> Gopher Tortoise Council meeting. Poster presentation.
8. **Long, AK**, LL Smith, LM Conner, and RA McCleery. (2013) The indirect and direct effects of the red imported fire ant on small mammals and fence lizards. Fish and Wildlife Research Unit Meeting. USGS Southeast Ecological Science Center. Poster Presentation.
7. **Long, AK** and A Felix-Locher. (2011) A journey north: American woodcock spring migration chronology and use of industrial forests in central Arkansas. Central Arkansas Audubon Society Meeting. Oral presentation.
6. **Long, AK** and A Felix-Locher. (2011) The efficacy of thermal imaging technology for documenting American woodcock on pine clearcuts. 95<sup>th</sup> Annual Arkansas Academy of Sciences Meeting. Oral presentation.
5. **Long, AK** and A Felix-Locher. (2011) A journey north: American woodcock spring migration chronology and use of industrial forests in central Arkansas. Southeastern Natural Resources Graduate Student Symposium. Oral presentation.
4. **Long, AK** and A Felix-Locher. (2010) American woodcock migration chronology and clearcut use in Arkansas. 17<sup>th</sup> Annual Meeting of the Wildlife Society. Poster Presentation.
3. **Long, AK** and A Felix-Locher. (2010) American woodcock migration chronology and clearcut use in Arkansas. Spring 2010 Arkansas Audubon Society Meeting. Poster Presentation.
2. **Long, AK** and A Felix-Locher. (2010) American woodcock migration chronology and clearcut use in Arkansas. 94<sup>th</sup> Annual Arkansas Academy of Sciences Meeting. Oral Presentation.
1. **Long, AK** and A Felix-Locher. (2010) How About woodcock?: Private landowners and their role. 1<sup>st</sup> Annual Wildlife Habitat Restoration on Private Lands Conference. Poster Presentation.

## Media Coverage

9. Rapp, J. (2020) TWS2020: Ospreys nest successfully on phone towers. The Wildlife Society.
8. Whiteman, H. (2019) Four Rivers Wildlife: Tracking wildlife one turtle at a time. Murray Ledger.
7. Smith, Ashley. (2019) Murray State students build GPS trackers for box turtles. KFVS12.
6. Staff report. (2019) Murray State students build GPS trackers to locate box turtles. Paducah Sun.
5. Unknown. (2019) Murray State biology students researching snake fungal disease in western Kentucky. Murray Ledger.

4. Associated Press. (2019) Murray State University Students Use GPS To Track Box Turtles. WKMS.
3. Rapp, J. (2016) WSB Study: Fire ants could be exacerbating gopher tortoise threats. The Wildlife Society News Center.
2. Douglass, M. (2015) Native toads avoid aggressive ants. BBC Earth.
1. Long, A.K., D. Knapp, L. McCullough, L.L. Smith, L.M. Conner, R.A. McCleery (2015) Southern toads alter their behavior in response to red-imported fire ants (Abstract only). FrogLog 23: 52.

## Trainings

- 2020** Spatial Analysis in Program R workshop at the 2020 TWS Virtual Conference.
- 2018** The Wildlife Society's Leadership Institute
- 2015/16** Faculty Academy on High-Impact Educational Practices. University of North Georgia.
- 2014** Flipped Learning in Natural Resources: How to Get Started. Instructor: Rich Etchberger. Pittsburgh, PA at the Wildlife Society annual conference.
- Fecal corticosterone extraction and radioimmunoassay. Instructor: Dr. Deborah Scheuer, University of Florida, School of Medicine.
- 2013** Beginner's Guide to R. Instructor: Dr. Alain Zuur. Online course.
- Introduction to Program Mark. Instructor: Dr. Gary White. Brookings, SD.
- Orbital bleeding training at the University of Florida. Gainesville, FL.
- 2011** Advanced ArcGIS I. Instructor: Dr. Robert Kissell. University of AR – Monticello.
- 2009** Intro to GIS. Instructor: Dr. Alexandra Locher. University of AR – Monticello.

## Professional Society Memberships & Positions

- The Wildlife Society (TWS)
  - Certified Wildlife Biologist®
  - Southeastern Section
  - Kentucky Chapter
  - Advise the Murray State University Student Chapter
  - Board member of the Invasive Species Working Group
- Kentucky Ornithological Society
- Kentucky Academy of Science
- International Society of Wildlife Endocrinologists (ISWE)
- Riverland's Alliance Invasive Species Committee
  - Calloway County Task Force Team Leader
- Southeastern Association of Fish and Wildlife Agencies Best Paper Award Committee (2018 and 2019)
- Xi Sigma Pi – The Forestry Honors Society
- Sigma Xi – Scientific Research Honor Society