John Wilson Finger Jr., Ph.D.

EDUCATION

|  |  |
| --- | --- |
| Ph.D. 2014 | University of Georgia, Athens, GA. Dissertation Title: *Stressor induced immunomodulation in crocodilians.* Advisor: Travis C. Glenn |
| B.S. 2008 | North Carolina State University, Raleigh, NC. Advisor: Harold F. Heatwole |

PROFESSIONAL EMPLOYMENT

**Assistant Professor,** The University of Alabama, Tuscaloosa, AL, USA

Department of Biological Sciences. 2022-present

**Instructor/Researcher,** Auburn University, Auburn, AL, USA.

Department of Biological Sciences. 2018-2022

**Postdoctoral Fellow,** Auburn University, Auburn, AL, USA

Department of Biological Sciences. 2015-2018

**Research Assistant,** University of Georgia, Athens, GA, USA

Department of Environmental Health Science. 2015.

RESEARCH EXPERIENCE (during Ph.D.)

**Visiting Researcher,** University of Georgia, Athens, GA, USA

Savannah River Ecology Laboratory. 2013-2014.

Effects of metals and other contaminants on American alligators.

**Graduate Trainee,** University of Sydney, Darwin, NT, Australia

Faculty of Veterinary Science. 2012-2013.

Saltwater crocodile biology in the Northern Territory of Australia.

**Research /Teaching Assistant,** University of Georgia, Athens, GA, USA

Department of Environmental Health Science. 2010-2014.

PUBLICATIONS (reverse chronological order, name in bold for each category)

For updated citation count, see: <http://scholar.google.com/citations?user=etoeYWwAAAAJ&hl=en>

**Peer Reviewed Publications in Print** *(or final online version posted for on-line only journals)*

42. Kelley, M. D., **J. W. Finger Jr.,** and M. T. Mendonca. 2022. Male gopher tortoise (*Gopherus polyphemus*) concentration-dependent social responses to diluted mental gland pheromones. *Behavioural Processes*. doi: 10.1016/j.beproc.2022.104729

41. Moore, L. A.\*, **J. W. Finger Jr.\*,** D. L. Haskins\*, R. M. Elsey, S. B. Castleberry, T. C. Glen, C. H. Jagoe, and I. L. Brisbin Jr. 2022. Tissue distribution of mercury in the bodies of wild American alligators (*Alligator mississippiensis*) from a coastal marsh in Louisiana (USA). *Archives of Environmental Contamination and Toxicology* 83, 13-20. doi: 10.1007/s00244-022-00938-3. \*Authors contributed equally to manuscript

40. **Finger, J. W. Jr.,** M. D. Kelley, M. T. Hamilton, Y. Zhang, R. M. Elsey, M. T. Mendonca, and A. N. Kavazis. Changes in antioxidant enzyme levels following capture in juvenile American alligators (*Alligator mississippiensis*) are tissue dependent. 2022. *Canadian Journal of Zoology*. doi: 10.1139/cjz-2021-0231

39. **Finger, J. W. Jr.,** M. D. Kelley, Y. Zhang, M. T. Hamilton, R. M. Elsey, A. Kavazis, and M. T. Mendonca. 2022. Increased brain glucocorticoid receptors are associated with decreased body condition in juvenile American alligators (*Alligator mississippiensis*). *South American Journal of Herpetology* 23, 42-48. doi: 10.2994/SAJH-D-20-00008.1

38. Thomas, J. C., T. J. Kieran, **J. W. Finger Jr.,** N. Bayona-Vasquez, A. Oladeinde, J. Beasley, J. C. Seaman, J. V. McArthur, O. E. Rhodes Jr., and T. C. Glenn. 2021. Unveiling the gut microbiota and resistome of wild cotton-mice, Peromyscus gossypinus, from heavy metal and radionuclide-contaminated sites in the Southeastern US. *Microbiology Spectrum* 9:e00097-21. doi: 10.1128/Spectrum.00097-21

37. **Finger, J. W. Jr.,** M. D. Kelley, Y. Zhang, M. T. Hamilton, R. M. Elsey, M. T. Mendonca, and A. Kavazis. 2021. Short-term capture stress and its effects on corticosterone levels and heat shock proteins in captive American alligators (*Alligator mississippiensis*). *Canadian Journal of Zoology*. doi: 10.1139/cjz-2021-0014

36. **Finger, J. W. Jr.,** M. D. Kelley, Y. Zhang, M. T. Hamilton, R. M. Elsey, M. T. Mendonca, and A. Kavazis. 2021.Antioxidant enzymes in destructible and non-destructible tissues in American alligators (*Alligator mississippiensis*) and their relationships with body condition. *South American Journal of Herpetology* 20: 33-41. doi: 10.2994/SAJH-D-19-00118.1

35. Kelley, M. D., C. Ka., **J. W. Finger Jr.,** and M. T. Mendonca. 2021. Behavioural discrimination of male mental gland secretions by both sexes of gopher tortoises (*Gopherus polyphemus*). *Behavioural Processes* 183:10413. doi: 10.1016/j.beproc.2021.104314

34. Kieran, T. J., S. J. Goodman, **J. W. Finger Jr.,** J. C. Thomas IV, M. T. Hamilton, T. D. Tuberville, and T. C. Glenn. 2020. Microbiota of four tissue types in American alligators (*Alligator mississippiensis*) following chronic dietary selenomethionine exposure. *Bulletin of Environmental Contamination and Toxicology* 105 (3), 381-386. doi: 10.1007/s00128-020-02961-3

33. Ghosh, A., R. N. Platt II, M. W. Vandewege, R. Tabassum, C. Y. Hsu, S. R. Isberg, D. G. Peterson, **J. W. Finger Jr.,** T. J. Kieran, T. C. Glenn, J. Gongora, and D. A. Ray. 2020. Identification and characterization of microRNAs (miRNAs) and their transposable element origins in the saltwater crocodile, *Crocodylus porosus*. *Analytical Biochemistry* 602, 113781. doi: 10.1016/j.ab.2020.113781

32. Thomas, J. C., A. Oladeinde, T. J. Kieran, **J. W. Finger Jr.,** N. Bayona-Vasquez, J. C. Cartee, J. Beasley, J. C. Seaman, J. V. McArthur, O. E. Rhodes Jr., and T. C. Glenn. 2020. Co-occurrence of antibiotic, biocide, and heavy metal resistance genes on bacteria from metal and radionuclide contaminated soils at the Savannah River Site. *Microbial Biotechnology* 13, 1179-200. doi: 10.1111/1751-7915.13578

31. **Finger, J. W. Jr.,** S. M. Goetz, M. D. Kelley, L. M. Horne, S. Piccolomini, R. M. Elsey, and M. T. Mendonca. 2020. American alligator (*Alligator mississippiensis*) serum inhibits pitviper venom metalloproteinases. *Journal of Herpetology* 54, 151-154. https://doi.org/10.1670/19-027

30. Glenn, T. C., T. W. Pierson, N. J. Bayona-Vasquez, T. J. Kieran, S L. Hoffberg, J. Thomas, D. E. Lefever, **J. W. Finger Jr.,** B. Gao, X. Bian, S. Louha, R. Kolli, K. Bentley, J. Rushmore, K. Wong, T. I. Shaw, M. Rothrock, A. M. McKee, T. L. Guo, R. Mauricio, M. Molina, B. Cummings, L. H. Lash, K. Lu, G. S. Gilbert, S. P. Hubbell, and B. C. Faircloth. 2019. Adaterama II: Universal amplicon sequencing on Illumina platforms (Taggimatrix). *PeerJ* 7:e7786. http://doi.org/10.7717/peerj.7786

29. Glenn, T. C., R. A. Nilsen, T. J. Kieran, J. G. Sanders, **J. W. Finger Jr.,** T. W. Pierson, K.E. Bentley, S. L. Hoffberg, S. Louha, N. J. Bayona-Vasquez, F. J. Garcia-De Leon, M. Angel Del Rio Portilla, K. D. Reed, J. L. Anderson, J. K. Meece, S. E. Aggrey, R. Rekaya, M. Alabady, M. Belanger, K. Winker, and B. C. Faircloth. 2019. Adapterama I: Universal stubs and primers for 384 unique dual-indexed or 147,456 combinatorially-indexed Illumina libraries (iTru & iNext). *PeerJ* 7:e7755. http://doi.org/10.7717/peerj.7755

28. Bayona-Vasquez, N. J., T. C. Glenn, T. J. Kieran, T. W. Pierson, S L. Hoffberg, P. A. Scott, K. E. Bentley, **J. W. Finger Jr.,** M. Carlson, S. Louha, N. Troendle, P. Diaz-Jaimes, R. Mauricio, and B. C. Faircloth. 2019. Adapterama III: Quadruple-indexed, double/triple-enzyme RADseq libraries (2RAD/3RAD). *PeerJ* 7:e7724. http://doi.org/10.7717/peerj.7724

27. **Finger, J. W. Jr.**, M. T Hamilton, M. D. Kelley, N. I. Stacy, T. C. Glenn, and T. D. Tuberville. 2019. Examining the impact of chronic selenium exposure on commonly used stress parameters in juvenile American alligators (*Alligator mississippiensis*). *Archives of Environmental Contamination and Toxicology* 77, 14-21.

26. **Finger, J. W. Jr.**, P. C. Thomson, and S. R. Isberg. 2019. A pilot study to understand tooth replacement in near-harvest farmed saltwater crocodiles (*Crocodylus porosus*): implications for blemish induction. *Aquaculture* 504, 102-106.

25. **Finger, J. W. Jr.**, M. D. Kelley, R. M. Elsey, and M. T. Mendonca. 2018. Visual obstruction has no effect on post-capture corticosterone levels of juvenile American alligators (*Alligator mississippiensis*). *Journal of Herpetology* 52, 398-401.

24. Isberg, S. R., **J. W. Finger Jr.**, and P. C. Thomson. 2018. Quantification of plasma corticosterone in juvenile farmed saltwater crocodiles (*Crocodylus porosus*) using current Australian Code of Practice guidelines. *General and Comparative Endocrinology* 269, 96-101.

23. Hamilton, M. T., **J. W. Finger Jr.**, R. M. Elsey, G. F. Mastromonaco, and T. D. Tuberville. 2018. Corticosterone in American Alligator (*Alligator mississippiensis*) Scutes: Evaluating the Feasibility of Using Keratinized Tissue for Investigating Environmental Stressors. *General and Comparative Endocrinology* 268, 7-13.

22. Gurley, B., **J. W. Finger Jr.**, and H. Wada. 2018. Sex-specific effects of incubation temperature on development of zebra finch (*Taeniopygia guttata*) embryos. *Physiological and Biochemical Zoology* 91, 1036-1045.

21. Hoffman, A. J., **J. W. Finger Jr.**, and H. Wada. 2018. Early stress priming and the effects on fitness-related traits following an adult stress exposure. *Journal of Experimental Zoology A.* doi: 10.1002/jez.2190

20. **Finger, J. W. Jr.**, M. T. Hamilton, M. D. Kelley, Y. Zhang, A. Kavazis, T. C. Glenn, and T. D. Tuberville. 2018. Dietary selenomethionine administration and its effects on the American alligator (*Alligator mississippiensis*): oxidative status and corticosterone levels. *Archives of Environmental Contamination and Toxicology* 75, 37-44.

19. **Finger, J. W. Jr.**, A. J. Hoffman, and H. Wada. 2018. Temporal variation in constitutive and inducible heat shock proteins in the zebra finch (*Taeniopygia guttata*). *Ibis* 160, 390-396.

18. **Finger, J. W. Jr.**, J. Botero, Y. Zhang, S. E. Still, A. J. Hoffman, A. N. Kavazis, D. A. Cristol, and H. Wada. 2017. No effect of lifelong methylmercury exposure on oxidative status in zebra finches (*Taeniopygia guttata*): a demonstration of methylmercury-induced selection? *Bulletin of Environmental Contamination and Toxicology* 99, 668-672.

17. Haskins, D. L., M. T. Hamilton, N. I. Stacy, **J. W. Finger Jr.**, and T. D. Tuberville. 2017. Effects of selenium exposure on the hematology, innate immunity, and metabolic rate of yellow-bellied sliders (*Trachemys scripta scripta*). *Ecotoxicology* 26, 1134-1146.

16. Kelley, M. D., M. Creachbaum, A. Mineo, and **J. W. Finger Jr.** 2017. The negative effects of artificial crab spiders (*Misumenops* spp.) on *Piper* pollinator behaviour in Costa Rica during an unseasonably wet dry season. *Oecologia Australis* 21, 201-206.

15. Haskins, D. L., M. T. Hamilton, A. L. Jones, **J. W. Finger Jr.**, R. B. Bringolf, and T. D. Tuberville. 2017. Accumulation of coal combustion residues and their immunological effects in the yellow-bellied slider (*Trachemys scripta scripta*). *Environmental Pollution* 224, 810-819.

14. **Finger, J. W. Jr.**, M. T. Hamilton, T. C. Glenn, and T. D. Tuberville. 2017. Dietary selenomethionine administration in the American alligator (*Alligator mississippiensis*): hepatic and renal Se accumulation and its effects on growth and body condition. *Archives of Environmental Contamination and Toxicology* 72, 439-448.doi:10.1007/s00244-017-0370-4

13. Kelley, M. D. and **J. W. Finger Jr.** 2016. *Pseudemys floridana* (Coastal Plain Cooter). Lee County, Alabama. Geographic Distribution. *Herpetological Review* 47:2, 254.

12. **Finger, J. W. Jr.**, M. T. Hamilton, B. S. Metts, T. C. Glenn, and T. D. Tuberville. 2016. Chronic ingestion of coal fly-ash contaminated prey and its effects on health and immune parameters in the American alligator (*Alligator mississippiensis*). *Archives of Environmental Contamination and Toxicology* 71, 347-358.

11. Hamilton, M. T., C. A. Kupar, M. D. Kelley, **J. W. Finger Jr.**, and T. D. Tuberville. 2016. Blood and plasma biochemistry reference intervals for wild juvenile American alligators (*Alligator mississippiensis*). *Journal of Wildlife Diseases* 52, 631-635.

10. Tuberville, T. D., D. E. Scott, B. S. Metts, **J. W. Finger Jr.,** and M. T. Hamilton. 2016. Hepatic and renal trace element concentrations in American alligators (*Alligator mississippiensis*) following chronic dietary exposure to coal fly ash contaminated prey. *Environmental Pollution* 214, 680-689.

9. Hamilton, M. T., **J. W. Finger Jr.,** M. E. Winzeler, and T. D. Tuberville. 2016. Evaluating the effect of sample type on American alligator (*Alligator mississippiensis*) analyte values in a point-of-care blood analyzer. *Conservation Physiology* 4, 1-7. doi: 10.1093/conphys/cov065

8. **Finger, J. W. Jr.,** P. C. Thomson, and S. R. Isberg. 2016. Unexpected lower testosterone in faster growing farmed saltwater crocodile (*Crocodylus porosus*) hatchlings. *General and Comparative Endocrinology* 226 1-4. doi: 10.1016/j.ygcen.2015.11.016.

7. **Finger, J. W. Jr.,** P. C. Thomson, A. L. Adams, S. Benedict, C. Moran, and S. R. Isberg. 2015. Reference levels for corticosterone and immune function in farmed saltwater crocodiles (*Crocodylus porosus*) hatchlings using current Code of Practice guidelines**.** *General and Comparative Endocrinology* 212, 63-72. doi: 10.1016/j.ygcen.2015.01.023

6. **Finger, J. W. Jr.,** R. J. Williams, M. T. Hamilton, R. M. Elsey, V. A. Oppenheimer, S. D. Holladay, and R. M. Gogal Jr. 2015. Influence of collection time on hematologic and immune markers in the American alligator (*Alligator mississippiensis*). *Journal of Immunoassay and Immunochemistry* 36:5, 496-509. doi: 10.1080/15321819.2014.1001030.

5. Temple, B. L.\*, **J. W. Finger Jr**.\*, C. A. Jones, J. D. Gabbard, T. Jelesijevic, E. W. Uhl, R. J. Hogan, T. C. Glenn, and S. M. Tompkins. 2015. *In ovo* and *in vitro* susceptibility of American alligators to avian influenza virus infection. *Journal of Wildlife Diseases* 51:1, 187-198. doi: 10.7589/2013-12-321. \*Authors contributed equally to study

4. Green, R. E., E. L. Braun, J. Armstrong, D. Earl, N. Nguyen, G. Hickey, M. W. Vandewege, J. A. St John, S. Capella-Gutiérrez, T. A. Castoe, C. Kern, M. K. Fujita, J. C. Opazo, J. Jurka, K. K. Kojima, J. Caballero, R. H. Hubley, A.F. Smit, R.N. Platt, C.A. Lavoie, M.P. Ramakodi, **J. W. Finger Jr.**, A. Suh, S. R. Isberg, L. Miles, A. Y. Chong, W. Jaratlerdsiri, J. Gongora, C. Moran, A. Iriarte, J. McCormack, S. C. Burgess, S. V. Edwards, E. Lyons, C. Williams, M. Breen, J. T. Howard, C. R. Gresham, D. G. Peterson, J. Schmitz, D.D. Pollock, D. Haussler, E.W. Triplett, G. Zhang, N. Irie, E. D. Jarvis, C. A. Brochu, C. J. Schmidt, F. M. McCarthy, B. C. Faircloth, F. G. Hoffmann, T. C. Glenn, T. Gabaldón, B. Paten, and D. R. Ray. 2014. The genomes of three crocodilians provide insight into Archosaur evolution. *Science* 364:62115. doi: 10.1126/science.1254449

3. **Finger, J. W. Jr.,** and R. M. Gogal Jr. 2013. Endocrine disrupting chemical exposure and the American Alligator: A review of the potential role of environmental estrogens on the immune system of a top trophic carnivore. *Archives of Environmental Contamination and Toxicology* 65:4, 704-714. doi: 10.1007/s00244-013-9953-x

2. **Finger, J. W. Jr.,** A. L. Adams, P. C. Thomson, C. M. Shilton, G. P. Brown, C. Moran, L. G. Miles, T. C. Glenn, and S. R. Isberg. 2013. Using phytohaemagglutinin to determine immune responsiveness in saltwater crocodiles (*Crocodylus porosus*). *Australian Journal of Zoology* 61:4, 301-311. doi: 10.1071/ZO13041

1. **Finger, J. W. Jr.,** and S. R. Isberg. 2012. A review of innate immune functions in crocodilians. *CAB Reviews* 7:67, 1-11. doi: 10.1079/PAVSNNR20127067

**Technical and Grant Reports**

3. Tuberville, T. D., M. T. Hamilton, D. L. Haskins, **J. W. Finger Jr.** 2016. Long-lived reptile project final report for a grant from the US Department of Energy. 1-49.(Grant Report)

2. **Finger, J. W. Jr.,** P. C. Thomson, U. R. Bagal, C. Moran, T. C. Glenn, L. G. Miles, M. S. Khatkar, J. Gongora, A. L. Adams, S. Benedict, T. J. Kieran, and S. R. Isberg. 2015. Extending crocodile genetic selection tools. RIRDC Publications No. 15-501, 1-51. (Grant Report)

1. **Finger, J. W. Jr.** 2014. Stressor-induced immunomodulation in crocodilians. Dissertation, University of Georgia, Athens, GA, USA. 1-232. (Dissertation)

**Conference Papers**

1. S. R. Isberg and **J. W. Finger Jr.** 2013. Towards developing animal welfare standards for saltwater crocodiles in Northern Australia. 22nd Working Meeting of the IUCN SSC Crocodile Specialist Group, 140.

MANUSCRIPT REVIEWS

Integrative Zoology

Journal of Marine Science and Engineering

Journal of Herpetology

Canadian Journal of Zoology

Journal of Experimental Zoology Part A

Journal of Thermal Biology

RCCP- Revista Colombiana de Ciencias Pecuarias (Colombian Journal of Veterinary and Animal Science)

OUTREACH, TEACHING WORKSHOPS, and DIVERSITY TRAINING

2020 Online Teaching Workshop Biggio Center, Auburn University, Auburn, AL, USA

2019 Community Outreach Summer Sciences Institute, Auburn University, Auburn, AL, USA

2019 Fish and Wildlife Outreach Eufaula National Wildlife Refuge, Eufaula, AL, USA

2018 Community Outreach Summer Sciences Institute, Auburn University, Auburn, AL, USA

2014 Community Outreach Master’s Naturalist Program, Athens, GA, USA

2013 Diversity Training/Outreach Darwin Crocodile Farm, Noonamah, NT, Australia

2010 Community Outreach Bass Pro Shops, Myrtle Beach, SC, USA

2009 Community Outreach Pirate’s Voyage, Myrtle Beach, SC, USA

MEMBERSHIPS in SCIENTIFIC SOCIETIES

IUCN-SSC Crocodile Specialists Group

Society for Integrative and Comparative Biology

American Ornithological Society

North Carolina Herpetological Society

American Society of Ichthyologists and Herpetologists

Society for the Study of Amphibians and Reptiles

HONORS and AWARDS

2019 Excellence in Teaching Award, The National Society of Leadership and Success

2017 Nominated for membership into IUCN-SSC Crocodile Specialists Group

2013 Emerging Leaders Program, University of Georgia

ORAL PRESENTATIONS (name in bold, presenter in italics)

***Finger, J.W.*** The use of top trophic organisms to investigate environmental health. Warnell School of Forestry and Natural Resources. University of Georgia, Athens, GA, USA. February 2020.

***Finger, J. W.*** Introduction to immunology. Troy University, Troy, AL, USA. July 2017.

***Finger, J. W.,*** M. D. Kelley. Alligators. Summer Science Institute, Auburn University, Auburn, AL, USA. June 2017.

***Finger, J. W.****,* A. J. Hoffman, H. Wada. The effect of heat shock on constitutive and inducible heat shock proteins and corticosterone in the zebra finch. SICB, New Orleans, LA, USA. January 2017.

*Wada, H.,* **J. W. Finger**. A potential link between organismal adrenocortical responses and cellular heat shock responses. SICB, New Orleans, LA, USA. January 2017.

*Hamilton, M. T.,* **J. W. Finger,** R. M. Elsey, G. F. Mastromonaco, T. D. Tuberville. Using crocodilian scute tissue as a long-term integrative approach to investigating environmental stressors. SEPARC, Nauvoo, AL, USA. February 2016.

*Haskins, D. L.,* M. Hamilton, A. Jones, **J. Finger,** R. B. Bringolf, T. D. Tuberville. Immunological costs of trace element contaminants in yellow-bellied sliders (Trachemys scripta scripta). SEPARC, Nauvoo, AL, USA. February 2016.

*Hamilton, M. T.,* **J. W. Finger Jr.,** R. Elsey, T. D. Tuberville. Evaluating capture stress in the American alligator (*Alligator mississippiensis):* characterizing short-term stress and immune parameters. Warnell Graduate Symposium, University of Georgia, Athens, GA, USA. January 2016.

*Haskins, D. L.,* M. Hamilton, A. Jones, **J. Finger,** R. B. Bringolf, T. D. Tuberville. Immunological costs of trace element contaminants in yellow-bellied sliders (Trachemys scripta scripta). Warnell Graduate Symposium, University of Georgia, Athens, GA, USA. January 2016.

***Finger, J. W. Jr.*** Stressor induced immunomodulation in crocodilians. Auburn University, Auburn, AL, USA. May 2015.

*Hamilton, M*., **J. Finger**, A. Grosse, et al. American alligator (*Alligator mississippiensis*) population trends on radiologically-contaminated reservoirs. Joint Meeting of Ichthyologists and Herpetologists (JMIH), Chattanooga, TN, USA. August 2014.

*Glenn, T*., B. Faircloth, T. Kieran, T. Pierson, and **J. Finger**. Adapterama @ BadDNA.org – DNA sequencing sample prep for Illumina instruments made easy (amplicons, RADseq, sequence capture % genomes). Evolution, Raleigh, NC, USA. June 2014.

***Finger, J. W. Jr.***, P. Thomson, A. Adams, S. Benedict, C. Moran, and S. Isberg. Stress-immune interactions in farmed saltwater crocodile (*Crocodylus porosus*) hatchlings. IUCN-SSC Crocodile Specialist Group, Lake Charles, LA, USA. May 2014.

*Glenn, T*., B. Faircloth, **J. Finger**, T. Kieran, S. Isberg, C. Moran, K. Vliet, M. Shirley, M. Venegas-Anaya, L. Densmore, R. E. Green, E. Braun, and D. Ray. Conserved DNA elements as tools for understanding crocodilian biology. IUCN-SSC Crocodile Specialist Group, Lake Charles, LA, USA. May 2014.

***Finger, J. W. Jr.*** Crocodilians. Master Naturalist Program invited lecture. University of Georgia, Athens, GA. April 2014.

***Finger, J. W. Jr.*** Stressor-induced immunomodulation in Australian saltwater crocodiles. Environmental Health Science departmental seminar. University of Georgia, Athens, GA. November 2013.

*Atkinson, M.,* **J. W. Finger**, M. Hamilton, and T.D. Tuberville. Evaluating the use of PHA in testing the immunity of banded water snakes (*Nerodia fasciata*). SREL Undergraduate Research Symposium, Aiken, SC. July 2013.

*Isberg, S. R.,* **J. W. Finger Jr.,** and C. M. Shilton. Towards developing animal welfare standards for saltwater crocodiles in Northern Australia. Proceedings of the 22nd Working meeting of the IUCN-SSC Crocodile Specialist Group, Negombo, Sri Lanka. May 2013.

***Finger, J. W. Jr.,*** S. R. Isberg, C. Moran, T. C. Glenn, C. A. Jones, and S. M. Tompkins. Immunity in crocodilians: androgen and viral immunomodulation. 4th International Workshop on Crocodilian Genetics and Genomics. Darwin, Australia. May 2012.

***Finger, J. W. Jr.*** Innate immunity in the American alligator, *Alligator mississippiensis*: toxicant and viral immunomodulation. Enthusiasts of Diversity, Genetics and Evolution. University of Georgia, Athens, GA. March 2012.

POSTER PRESENTATIONS (name in bold, presenter in italics)

*Gurley, B.,***J. W. Finger Jr.**, and H. Wada. Effects of incubation temperature on hatching success and physical development in zebra finches. This Is Research-Student Symposium, Auburn University, Auburn, AL, USA. April 2016.

*Haskins, D. L.*, M. T. Hamilton, **J. W. Finger,** A. L. Jones, R. B. Bringolf, and T. D. Tuberville. Immunological costs of trace element contaminants in yellow-bellied sliders (*Trachemys scripta scripta*). SICB, Portland, OR, USA. January 2016.

*Schneider, B. K.,* C. Kern, A. Hubbard, W. Treible, **J. W. Finger Jr.**, T. Tuberville, T. C. Glenn, M. Hamilton, and C. Schmidt. Transcriptome analysis of alligator adipose. Plant and Animal Genome (PAG) Conference, San Diego, CA, USA. January 2016.

*Schneider, B. K.,* C. Kern, A. Hubbard, W. Treible, **J. W. Finger Jr.**, T. Tuberville, T. C. Glenn, M. Hamilton, and C. Schmidt. Transcriptome analysis of alligator adipose. Undergraduate Research and Service Celebratory Symposium, University of Delaware, Newark, DE, USA. August 2015.

*Hamilton, M. T.*, **J. W. Finger Jr.**, R. M. Elsey, and T. D. Tuberville. Measuring long-term stress in American alligators (*Alligator mississippiensis*): a validation study. Society for the Study of Amphibians and Reptiles (SSAR), Lawrence, KS, USA. July-August 2015.

***Finger, J. W. Jr.,*** R. J. Williams, M. T. Hamilton, R. M. Elsey, V. A. Oppenheimer, S. D. Holladay, and R. M. Gogal Jr. Impact Of Collection Time On Hematologic And Immune Markers In The American Alligator (*Alligator mississippiensis*). The Science of Veterinary Medicine Symposium, Athens, GA, USA. October 2014.

*Hamilton, M. T.*, **J. W. Finger Jr.**, B. S. Metts, R. M. Elsey, T. Glenn, T. D. Tuberville. The effects of dietary exposure to coal fly ash contaminated prey on the immune system of the American alligator (*Alligator mississippiensis*). IUCN-SSC Crocodile Specialist Group, Lake Charles, LA, USA. May 2014.

***Finger, J. W. Jr.,*** M. T. Hamilton, B. S. Metts, R. M. Elsey, T. C. Glenn, T. D. Tuberville. The effects of coal fly ash contaminants on the immune system of the American alligator (*Alligator mississippiensis*). Interdisciplinary Toxicology Program Retreat. University of Georgia, Athens, GA, USA. April 2014.

*Hamilton, M. T*., **J. W. Finger Jr.,** Robert B. Bringolf, and T. D. Tuberville. Effects of contaminants on American alligators (*Alligator mississippiensis*) at the individual and population level: thesis prospectus. Southeast Partners in Amphibian and Reptile Conservation (SEPARC). Jamestown, KY. February 2014.

*Hamilton, M. T*., **J. W. Finger Jr.,** and T. D. Tuberville. Effects of contaminants on American alligators (*Alligator mississippiensis*) at the individual and population level: thesis prospectus. Society of Integrative and Comparative Biology (SICB). Austin, TX, USA. January 2014.

***Finger, J. W. Jr.,*** C. A. Jones**,** T. C. Glenn, and S. M. Tompkins. Innate immunity in crocodilians: toxicant and viral immunomodulation. Interdisciplinary Toxicology Program Retreat. University of Georgia, Athens, GA, USA. April 2012.

***Finger, J. W. Jr.,*** B. L. Temple, C. A. Jones, T. Jelesijevic, E. W. Uhl, R. J. Hogan, T. C. Glenn, and S. M. Tompkins. Susceptibility of American Alligators to Avian and Human Influenza. International Conference on Emerging Infectious Diseases (ICEID). Atlanta, GA, USA. March 2012.

MENTORING

*Auburn University (as postdoc and instructor/researcher)*

Rachel Weber, undergraduate student, Auburn University, Auburn, AL, USA

Cheikhouna Ka, undergraduate student, Auburn University, Auburn, AL, USA

Bain Gurley, undergraduate student, Auburn University, Auburn, AL, USA

*University of Georgia (as Ph.D. student)*

Matthew T. Hamilton, M.S. student, Savannah River Ecology Laboratory, University of Georgia, Aiken SC, USA

Matthew Atkinson, undergraduate student, Savannah River Ecology Laboratory, University of Georgia, Aiken SC, USA

Amanda Jones, undergraduate student, Savannah River Ecology Laboratory, University of Georgia, Aiken SC, USA

OTHER RELEVANT EMPLOYMENT

**Crocodilian Handler/Lecturer**, Alligator Adventure

N. Myrtle Beach, SC. 2006-2010.

**UNDERGRADUATE RESEARCH EXPERIENCE** (non-paid; during B.S.)

**Undergraduate Researcher**, North Carolina State University. Department of Biology. 2008. Behavioral endocrinology of zebrafish, *Danio rerio,* in Dr. John Godwin’s laboratory

**Undergraduate Researcher**, North Carolina State University. Department of Biology. 2008. Habitat and prey selection of the copperhead, *Agkistrodon contortrix,* with Dr. Harold F. Heatwole.

**References**:

**Travis C. Glenn**

152 Environmental Health Science Building, The University of Georgia  
Athens, GA 30602-2102

United States

**Phone:**706.583.0662

**Fax:**706.542.7472

**Email:** travisg@uga.edu

**Mary T. Mendonca**

Department of Biological Sciences, Auburn University  
Auburn, AL 36849  
United States  
**Phone:** 334.844.9246  
**Email:** mendomt@auburn.edu

**Tracey D. Tuberville**

Savannah River Ecology Laboratory  
P O Drawer E, Aiken, SC 29802

**Phone:** 803.725.5757

**Email**: tracey.tuberville@gmail.com

**Ruth M. Elsey**

Biologist Manager

Louisiana Department of Wildlife and Fisheries

Rockefeller Wildlife Refuge

5476 Grand Chenier Highway

Grand Chenier, Louisiana 70643

**Phone**: 337.538.2276

**Email**: relsey@wlf.la.gov