

6 Year Curriculum vitae
Samantha M. Wisely
2019-2024

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Research Interests: disease ecology, applied wildlife management, One Health

Education:

Ph.D. Zoology and Physiology, University of Wyoming, August 2001. Dissertation: Conservation genetics of the black-footed ferret.
M.S. Wildlife Ecology, Humboldt State University, August 1997. Thesis: Comparative physiology, ecology and behavior in two species of plethodontid salamander.
B.A. Ecology, Evolution and Animal Behavior, University of California, San Diego. June 1991.

Appointments: 55% Research, 25% Administration, 20% Extension

2019-present **Professor**, Dept. of Wildlife Ecology and Conservation, University of Florida
2011-2019 **Associate Professor**, Dept. of Wildlife Ecology and Conservation, University of Florida
2015-present **Director**, UF IFAS Cervidae Health Research Initiative
2013-present **Affiliate Associate Curator**, Dept. of Mammalogy, Florida Museum of Natural History
2013-present **Research Affiliate**, Emerging Pathogens Institute, University of Florida
2015-present **Affiliate Faculty**, Dept. of Environmental and Global Health, University of Florida
2012-2015 **Associate Director**, Ordway Swisher Biological Station, University of Florida
2010-2011 **Associate Professor**, Division of Biology, Kansas State University
2004-2012 **Research Associate**, National Zoological Park, Smithsonian Institution
2004- 2010 **Assistant Professor**, Division of Biology, Kansas State University
2002-2003 **Postdoctoral Associate**, National Zoological Park, Smithsonian Institution
2001-2002 **Smithsonian Postdoctoral Fellow**, National Museum of Natural History
1997-2001 **Research Assistant**, University of Wyoming
1993-1997 **Teaching Assistant**, Humboldt State University

Honors:

2024-2025 – US Fulbright Scholar – Republic of Serbia
2024 – UF Post-tenure Review, Exceeds Expectations
2023 – UF IFAS Panhandle Ag Extension Team, Reader’s Choice Award – Honorable Mention for article on “Foxes and Coyotes in the Panhandle: How to Identify and Manage Them”
2023 – Graduate Advisor of Best Student Thesis in UF IFAS
2022 – LEAD21 Leadership for the 21st Century
2020 - UF Career Influencer Award nomination
2019 – High Impact Publication Award, UF IFAS
2019-2022 – UF Foundation Research Professor
2019-2021 – University of Florida Term Professor

Publications: G=my graduate student, g=other graduate student, P=my post-doc, p=other postdoc, U=undergraduate researcher in my lab, u=undergraduate researcher in another's lab

1. Canino, N.^U, Torhorst, C.^G, Botero-Cañola, S.^P, Beati, L., O'Hara, K.C., James, A., Wisely, S.M. 2024. Development of effective collection and surveillance methods for soft ticks (*Ornithodoros turicata*) in the southeastern United States. *J. Med. Vet. Entomology*.
<https://doi.org/10.1111/mve.12764>
2. Botero-Cañola, S.^P, Torhorst, C.^G, Canino, N.^U, Beati, L., O'Hara, K., James, A., Wisely, S.M. 2024. Integrating systematic surveys with historical data to model the distribution of *Ornithodoros turicata americanus*, a vector of epidemiological concern in North America. *Ecology and Evolution* 14: e70547. <https://doi.org/10.1002/ece3.70547>
3. De Jesus, C.^G, Harmon, M.^g, Sutton, A., Bredin, S., Romagosa, C., Wisely, S.M. 2024. Spatially limited pathogen pollution in an invasive tick and host system. *Biological Invasions* (2024).
<https://doi.org/10.1007/s10530-024-03291-9>
4. Li, X.^P, Parker, B.^G, Boughton, R., Beasley, J., Smyser, T.J., Austin, J., Pepin, K., Miller, R.S., VerCauteren, K.C. and Wisely, S.M. 2024. Torque Teno Sus Virus 1: A Potential Surrogate Pathogen to Study Pig-Transmitted Transboundary Animal Diseases. *Viruses* 16: 1397.
<https://doi.org/10.3390/v16091397>
5. Botero-Cañola S.^P, Wilson, K., Garcia, E., Heisey M., Reeves, L., Burkett-Cadena, N., Romagosa, C., Sieving, K., Wisely, S.M. 2024. Acoustic indices track local vertebrate biodiversity in a subtropical landscape. *Ecological Indicators* 166:112292.
<https://doi.org/10.1016/j.ecolind.2024.112292>
6. DeRuyter, E.^g, Subramaniam, K., Wisely, S.M., Morris, J.G., Lednicky, J. 2024. A Novel Jeilongvirus from Florida, USA, has a broad host-cell tropism including human and primate cells. *Pathogens* 13: 831. <https://doi.org/10.3390/pathogens13100831>
7. Rahmani Shahraki, A., Bittar, J.H.J., Wisely, S.M., Campos-Krauer, J.M. 2024. A case of severe abomasal sand impaction in a farmed white-tailed deer (*Odocoileus virginianus*) in Florida. *Animals* 14:1602. <https://doi.org/10.3390/ani14111602>
8. Cottingham, S.L.^g, Cheng, A.^g, Oliveira Viadanna, P.H.^P, Subramaniam, K., Craft, W. F., Iredale, M.E., Wisely, S.M., Campos Krauer, J.M. 2024. *Mycobacterium kansasii* infection in a farmed white-tailed deer (*Odocoileus virginianus*) lung in Florida, USA. *Animals* 14:1511.
<https://doi.org/10.3390/ani14101511>
9. Benn, J.S.^P, Orange, J.P., Gomez, J.P., Dinh, E.T.N.^g, McGregor, B.L.^g, Blosser, E.M.^P, Burkett-Cadena, N.D., Wisely, S.M., Blackburn, J.K. 2024. Culicoides midge abundance across years: modeling inter-annual variation for an avian vector and a candidate vector of hemorrhagic diseases in farmed wildlife. *Viruses* 16:766 <https://doi.org/10.3390/v16050766>
10. Viadanna, P.H.O.^P, Surphlis, A.^g, Cheng, A.C.^g...Wisely, S. M., Subramaniam, K. 2024. A novel bluetongue virus serotype 2 strain isolated from a farmed Florida white-tailed deer (*Odocoileus virginianus*) arose from reassortment of gene segments derived from co-circulating serotypes in the Southeastern USA. *Virus Genes* (2024). <https://doi.org/10.1007/s11262-023-02047-2>
11. Beatty, N., Bhosale, C.^U, Torhorst, C.^G, Oi, F., Forsyth, C., Burkett-Cadena, N., Wisely, S.M. 2023. Integrated pest management strategies targeting the Florida kissing bug, *Triatoma sanguisuga*: Preventing this vector of Chagas disease from invading your home. *Current Research in Parasitology and Vector-borne Disease* 14:100144.
<https://doi.org/10.1016/j.crpvbd.2023.100144>
12. Cauvin, A.R.^G, Wisely, S.M., Baiser, B., Shuman, R.M., Sayler, K.A., Blackburn, J., Stacy, N.I. 2023. Hematology and serum chemistry of neonate and weaned farmed white-tailed deer (*Odocoileus virginianus*) fawns. *Veterinary Research* 43:1-10.
<https://doi.org/10.1080/01652176.2023.2249072>

13. Maestas, S.E.M.^g, Campbell, L.P., Milleson, M.P., Reeves, R.E., Kaufman, P.E., Wisely, S.M. 2023. Ticks and tick-borne pathogens of feral swine in north and central Florida. *Insects* 14:612. <https://doi.org/10.3390/insects14070612>
14. Torhorst, C.W.^g, Ledger, K.J.^g, White, Z.S., Milleson, M.P., Corral, C.C.^u, Beatty, N.L., Wisely, S.M. 2023. *Trypanosoma cruzi* infection in mammals in Florida: New insight into transmission in the southeastern United States. *International Journal of Parasitology: Parasites and Wildlife* 21: 237-245. <https://doi.org/10.1016/j.ijppaw.2023.06.009>
15. De Oliveira, P.^p, Campos, J.M., Lednicky, J., Wisely, S.M., Subramaniam, K. 2023. Characterization of two novel reassortant bluetongue virus serotype 1 strains isolated from farmed white-tailed deer (*Odocoileus virginianus*) in Florida, USA. *Virus Genes* 2023. <https://doi.org/10.1007/s11262-023-02019-6>
16. Maestas, S.M.^g, Campbell, L., Wisely, S.M., Dingman, P., Reeves, L., Kaufman, P. 2023. Comparison of ectoparasite communities of sylvatic and urban wild mesomammals and unowned community cats in north central Florida. *Journal of Medical Entomology*. <https://doi.org/10.1093/jme/tjad026>
17. Bhosale, C.R.^u, Wilson, K.N., Ledger, K.J.^g, White, Z.S., Dorleans, R.^u, De Jesus, C.E.^g, Wisely, S.M. 2023. The role of habitat management and local landscape on ticks and tick-borne pathogens in recreational greenspaces. *Microorganisms* 11:756. <https://doi.org/10.3390/microorganisms11030756>
18. Sloyer, K.E.^g, Acevedo, C.^p, Wisely, S.M., Burkett-Cadena, S.M. 2023. Host associations of biting midges at deer farms in Florida, USA. *Journal of Medical Entomology* <https://doi.org/10.1093/jme/tjad036>
19. Black, T.V.^g, Quaglia, A., Wisely, S.M., Burkett-Cadena, N. 2022. Field comparison of removed substrate sampling and emergence traps for estimating *Culicoides* Orbivirus vectors in northern Florida. *J. Med. Ento.* 59:1660-1668. <https://doi.org/10.1093/jme/tjac089>
20. Torhorst, C.^g, Bhosale, C.^u, White, Z., Beatty, N., Wisely, S.M. 2022. Identification of the parasite, *Trypanosoma cruzi*, in multiple tissues of epidemiological significance in the Virginia opossum (*Didelphis virginiana*): Implications for environmental and vertical transmission routes. *PLoS Neglected Tropical Diseases* <https://doi.org/10.1371/journal.pntd.0010974>
21. Austin, J.D., Gore, J., Hargrove, J.^g, Braun de Torrez, E., Carneiro, C.^u, Ridgely, F. Wisely, S.M. 2022. Strong population genetic structure and cryptic diversity in the Florida bonneted bat (*Eumops floridanus*). *Conservation Genetics* 23:495–512. <https://doi.org/10.1007/s10592-022-01432-y>
22. Stephenson, C.^g, Coker, E., Wisely, S.M., Liang, S., Dinglasan, R., Lednicky, J. 2022. Imported dengue case numbers and local weather pat-terns impact dengue virus transmission in Florida, USA. *Insects* 13:163. <https://doi.org/10.3390/insects13020163>
23. Rodrigues, T.C.S.^p, Viadanna, P.V.O.^p, Subramaniam, K., Hawkins, I.K., Jeon, A.B., Loeb, J.C., Krauer, J.M.C., Lednicky, J.A., Wisely, S.M., Waltzek, T.B. In revision. Characterization of a Novel reassortant Epizootic hemorrhagic disease virus serotype 6 strain isolated from diseased white-tailed deer (*Odocoileus virginianus*) on a Florida farm. *Viruses* 14: 1012 <https://doi.org/10.3390/v14051012>
24. Ledger, K.J.^g, Innocent, H.^u, Lukhele, S.M.^g, Dorleans, R.^u, Wisely, S.M. 2022. Entomological risk of African tick-bite fever (*Rickettsia africae*) in southern African savannas. *PLoS Neglected Tropical Diseases* 16(5): e0010437. <https://doi.org/10.1371/journal.pntd.0010437>
25. Kessler, W.H.^g, De Jesus, C.^g, Wisely, S.M., Glass, G.E. 2022. Ensemble models for tick vectors: standard surveys compared with convenience samples. *Diseases* 10: 32 <https://doi.org/10.3390/diseases10020032>
26. Beatty, N.L., Forsyth, C.J., Burkett-Cadena, N., Wisely, S.M. 2022. Our Current Understanding of Chagas Disease and *Trypanosoma cruzi* Infection in the State of Florida — an Update on

Research in this Region of the USA. Current Tropical Medicine Reports.
<https://doi.org/10.1007/s40475-022-00261-w>

27. Cunningham, M.W., Oronato, D.P., Leone, E.H., Sayler, K.A., Conley, K.L., Mead, D.G., Bradley, J.A.C., Maes, R.K., Kiupel, M., Shindle, D.S., Wisely, S.M., Subramaniam, K., Wise, A., Clemons, B.C., Cusack, L.M., Jansen, D., McBride, R., Hernández, F.A., Waltzek, T.B. 2021. Pseudorabies (Aujeszky's Disease) is a significant mortality factor in the Florida panther (*Puma concolor coryi*). *Journal of Wildlife Diseases* 57:784-798. <https://doi.org/10.7589/JWD-D-20-00119>
28. Segelbacker, G., Bosse, M., Burger, P., Galbusera, P., Godoy, J., Helsen, P., Hvilsom, C., Iacolina, L., Kahric, A., Manfrin, C., Nonic, M., Thizy, D., Tsvetkov, I., Velickovic, N., Vila, C., Wisely, S., Buzan, E. 2021. New developments in the field of genomic technologies and their relevance to conservation management. *Conservation Genetics*. <https://doi.org/10.1007/s10592-021-01415-5>
29. Beatty, N.L., White, Z.S., Bhosale, C.R.^U, Wilson, K., Cannella, A.P., Stenn, T., Burkett-Cadena, N., Wisely, S.M. 2021. Anaphylactic reactions due to *Triatoma protracta* (Hemiptera, Reduviidae, Triatominae) and invasion into a home in northern California, USA. *Insects* 12: 1018. <https://doi.org/10.3390/insects12111018>
30. Aristizabal-Henao, J.J., Brown, H.J., Griffin, E.K., Ostfeld, R.S., Oggenfuss, K., Parker, B.M.^G, Wisely, S.M., Bowden, J.A. 2021. Hematophagous Arthropods as Novel Sentinels to Monitor Environmental Levels of Per- and Polyfluoroalkyl Substances (PFAS). *Environmental Science: Processes Impacts*. 10.1039/D1EM00209K
31. De Jesus, C.E.^G, Bhosale, C.R.^U, Wilson, K.N., White, Z.S., Wisely, S.M. 2021. Reptile Host-Associations of *Ixodes scapularis* in Florida and Implications for *Borrelia* Ecology. *Pathogens* 10: 999. <https://doi.org/10.3390/pathogens10080999>
32. Ledger, K.^G, Beatty, L., Wisely, S.M. 2021. Survey of ticks and tick-borne rickettsial and protozoan pathogens in Eswatini. *Pathogens* 10:1043. <https://doi.org/10.3390/pathogens10081043>
33. Cottingham, S.L.^g, White, Z.S., Wisely, S.M., Campos-Krauer, J.M. 2021. A mortality-based description of hemorrhagic disease incidence in farmed white-tailed deer (*Odocoileus virginianus*) in Florida, USA. *Viruses* 13:1443. <https://doi.org/10.3390/v13081443>
34. Viadanna, P.H.O.^p, Rodrigues, T.C.S.^p, Subramaniam, K., Campos Krauer, J.M., Lednicky, J.A., Loeb, J.C., Wisely, S.M., Waltzek, T.B. 2021. Genome sequence of a novel strain of Yunnan orbivirus isolated from a dead Florida white-tailed deer (*Odocoileus virginianus*). *Microbial Resources Announcements* 10: e00168-21. <https://doi.org/10.1128/MRA.00168-21>
35. Lima, K.A.^U, Stevens, N., Wisely, S.M., Fletcher, R.J., Monadjem, A., Austin, J.D., Mahlaba, T., McCleery, R.A. 2021. Landscape heterogeneity and woody encroachment decrease mesocarnivore scavenging in a savanna agro-ecosystem. *Rangeland Ecology and Management* 78:104-111. <https://doi.org/10.1016/j.rama.2021.06.003>
36. Dinh, E.T.N.^g, Gomez, J.P., Orange, J.P., Morris, M., McGregor, B.L., Blosser, E.M., Burkett-Cadena, N., Wisely, S.M., Blackburn, J.K. 2021. Modeling abundance of *Culicoides stellifer*, a candidate Orbivirus vector, indicates nonrandom hemorrhagic disease risk for white-tailed deer (*Odocoileus virginianus*). *Viruses* 13:1328 <https://doi.org/10.3390/v13071328>
37. Sandler, R.L., Moses, L., Wisely, S.M. 2021. An ethical analysis of cloning for genetic rescue: case study of the black-footed ferret. *Biological Conservation* 257: 109118 <https://doi.org/10.1016/j.biocon.2021.109118>
38. McGregor, B.L.^g, Erram, D.^p, Alto, B.W., Wisely, S.M., Burkett-Cadena, N.D. 2021. Vector competence of Florida *Culicoides insignis* (Diptera: Ceratopogonidae) for Epizootic Hemorrhagic Disease Virus Serotype 2. *Viruses* 13: 410. <https://doi.org/10.3390/v13030410>
39. Dinh, E.T.N.^p, Orange, J.P., Shuman, R.M., Wisely, S.M., Blackburn, J.K. 2021. Resource selection by wild and ranched white-tailed deer (*Odocoileus virginianus*) during the epizootic

- hemorrhagic disease transmission season in Florida. *Animals* 11: 211.
<https://doi.org/10.3390/ani11010211>
40. Hernández, F.A.^G, Carr, A.N.^U, Milleson, M.P., Merrill, H.R., Avery, M.L., Parker, B.M., Pylant, C.L., Austin, J.D., and Wisely, S.M. 2021. Dispersal and land cover influence pathogen exposure in invasive wild pigs (*Sus scrofa*) in Florida (U.S.). *EcoHealth*. <https://doi.org/10.1007/s10393-020-01508-6>
 41. Orange, J.P., Dinh, E.T.N.^g, Goodfriend, O., Wisely, S.M., Blackburn, J.K. 2021. Evidence of epizootic hemorrhagic disease virus and bluetongue virus in non-native ruminant species in northern Florida. *Journal of Zoo and Wildlife Medicine* 51(4):745-751
<https://doi.org/10.1638/2019-0174>
 42. Orange, J.P., Dinh, E.T.N.^g, Shuman, R. M., Wisely, S.M., Blackburn, J.K. 2021. Inter-annual home range fidelity of wild and ranched white-tailed deer in Florida: implications for disease intervention. *European Journal of Wildlife Research* 67: 7. <https://doi.org/10.1007/s10344-020-01448-0>
 43. Chaudhary, V.^g, Wisely, S.M, Hernández, F.A.^G, Hines, J., Nichols, J.D., Oli, M. 2020. A generalized multi-state occupancy model for robust estimation of disease prevalence in multi-organ disease systems. *Journal of Applied Ecology*. <https://doi.org/10.1111/1365-2664.13744>
 44. McGregor, B.L.^g, Blackburn, J.K., Wisely, S.M., Burkett-Cadena, N.L. 2020. Distance from big game preserves affects *Culicoides* (Diptera: Ceratopogonidae) community composition, abundance, and diversity. *Journal of Medical Entomology*. <https://doi.org/10.1093/jme/tjaa152>
 45. Harmon, L.E.^g, Saylor, K.A., Burkett-Cadena, N.D., Wisely, S.M., Weeks, E.N.I. 2020. Use and perception of pesticides on Florida deer farms. *Journal of Integrated Pest Management* 11:12
<https://doi.org/10.1093/jipm/pmaa011>
 46. Quaglia, A. I.^P, Blosser, E.M., McGregor, B.L., Runkel IV, A.E., Sloyer, K.E., Erram, D., Wisely, S.M., Burkett-Cadena, N.D. 2020. Tracking community timing: pattern and determinants of seasonality in *Culicoides* (Diptera Ceratopogonidae) in northern Florida. *Viruses* 12:931
<https://doi.org/10.3390/v12090931>
 47. Wilber, M.Q., Chinn, S.M., Beasley, J.C., Boughton, R.K., Brook, R.K., Ditchkoff, S.S., Fischer, J.W., Hartley, S.B., Holmstrom, L.K., Kilgo, J.C. and Lewis, J.S., Miller, R.S., Snow, N.P., VerCauteren, K.C., Wisely, S.M., Webb, S.M., Pepin, K.M. 2020. Predicting functional responses in agro-ecosystems from animal movement data to improve management of invasive pests. *Ecological Applications*, 30: e02015. <https://doi.org/10.1002/eap.2015>
 48. Rodrigues, T.C.S.^P, Lednicky, J.A., Loeb, J.C., Campos Krauer, J.M., Wisely, S.M., Waltzek, T.B., Subramanian, K. 2020. Genome Sequencing of a Novel CHERI orbivirus 3 Isolated from a Dead White-tailed Deer (*Odocoileus virginianus*) in Florida, USA. *Microbiology Resource Announcements* 9:e00523-20. <https://doi.org/10.1128/MRA.00523-20>
 49. Dinh, E.T.N.^g, Cauvin, A.^G, Orange, J.P., Shuman, R.M., Wisely, S.M., Blackburn, J.K. 2020. Living la Vida T-LoCoH: Site fidelity of Florida ranched and wild white-tailed deer (*Odocoileus virginianus*) during the epizootic hemorrhagic disease virus (EHDV) transmission period. *Movement Ecology* 8:14. <https://doi.org/10.1186/s40462-020-00200-2>
 50. Uribasterra, M.G.^g, Orange, J.P., Dinh, E.T.^g, Peters, C., Peters, R.M., Goodfriend, O., Wisely, S.M. and Blackburn, J.K., 2020. Epizootic hemorrhagic disease virus and bluetongue virus seroprevalence in wild white-tailed deer (*Odocoileus virginianus*) in Florida, USA. *Journal of Wildlife Diseases*, 56:928-932. <https://doi.org/10.7589/2019-10-263>
 51. LeClare, S.K.^U, Mdluli, M.^U, Stevens, N., Wisely, S.M. 2020. Land-use diversity within an agricultural landscape promotes termite nutrient cycling services in a southern African savanna. *Global Ecology and Conservation* 21:e00885. <https://doi.org/10.1016/j.gecco.2019.e00885>

52. McGregor, B.L.[§], Blackburn, J.K., Wisely, S.M., Burkett-Cadena, N.L. 2020. Distance from big game preserves affects Culicoides (Diptera: Ceratopogonidae) community composition, abundance, and diversity. *Journal of Medical Entomology*. <https://doi.org/10.1093/jme/tjaa152>
53. Ganser, C.^G, Monadjem, A., McCleery, R.A., Ndlela, T.^U, Wisely, S.M. 2020. Is it best on the nest? Effects of avian life history on haemosporidian parasitism. *International Journal of Parasitology: Parasites and Wildlife* 13:62-71. <https://doi.org/10.1016/j.ijppaw.2020.07.014>
54. Ahasan, M.S.^P, Subramaniam, K., Campos, J., Sayler, K.A., Loeb, J., Sayler, K., Goodfriend, O., Barber, H., Stephenson, C., Popov, V., Charrel, R., Wisely, S., Waltzek, T., Lednicky, J. 2019. Three new orbivirus species isolated from farmed white-tailed deer (*Odocoileus virginianus*) in the USA. *Viruses* 12:e13. <https://doi.org/10.3390/v12010013> .
55. Wisely, S.M. and Glass, G.E. 2019. Advancing the science of tick and tick-borne disease surveillance in the United States. *Insects* 10:361. <https://doi.org/10.3390/insects10100361>
56. Wilber, M., Chinn, S., Beasley, J., Boughton, R., Brook, R., Ditchkoff, S., Fischer, J., Hartley, S., Holstrom, L., Kilgo, J., Lewis, J., Miller, R., Snow, N., Vercauteren, K., Wisely, S., Pepin, K., Webb, C. 2019. Predicting functional responses in agro-ecosystems from animal movement data to improve management of invasive pests. *Ecological Applications* <https://doi.org/10.1002/eap.2015>
57. Klarenberg G.^P and Wisely, S.M. 2019. Evaluation of NEON data to model spatio-temporal tick dynamics in Florida. *Insects* 10:321 <https://doi.org/10.3390/insects10100321>
58. Ledger, K.J.^G, Keenan, R.M.^U, Sayler, K.A., Wisely, S.M. 2019. Multi-scale patterns of tick occupancy and abundance across an agricultural landscape in southern Africa. *PLoS One* 14:e0222879. <https://doi.org/10.1371/journal.pone.0222879>
59. De Jesus, C.E.^G, Ganser, C.^G, Kessler, W.H., White, Z.S., Bhosale, C.R.^U, Glass, G.E., Wisely, S.M. 2019. Surveillance of tick-borne bacterial pathogens in Florida. *Insects* 10:297 <https://doi.org/10.3390/insects10090297>
60. Boughton, R.K., Allen, B.L., Tillman, E.A., Wisely, S.M., Engeman, R.M. 2019. Road hogs: implications for road-based relative abundance observation techniques derived from GPS collared feral swine in pastureland habitat. *Ecological Indicators* 99:171-177. <https://doi.org/10.1016/j.ecolind.2018.12.022>
61. Glass, G.E., Ganser, C.^P, Wisely, S.M., Kessler, W.H. 2019. Standardized ixodid tick survey in mainland Florida. *Insects* 10:235 <https://doi.org/10.3390/insects10080235>
62. O'Leary, T.J.[§], Sayler, K.A., Wisely, S.M., Allgood, H.E., Archer, L.L., Wellehan, J., Slapcinsky, J.D., Walden, H.S. 2019. Prevalence of *Paralaphostrongylus andersoni* and white-tailed deer, other cervids and bovids in Northern Florida. *Journal of Zoo and Wildlife Medicine* 50 <https://doi.org/10.1638/2018-0210>
63. Ahasan, M.S.^P, Campos, J., Subramaniam, K., Popov, V., Lednicky, J., Loeb, J., Sayler, K.^P, Wisely, S., Waltzek, T. 2019. Isolation and molecular characterization of a novel reassortment Mammalian orthoreovirus type 2 from a Florida white-tailed deer (*Odocoileus virginianus*) fawn. *Virus Research* 270:197642 <https://doi.org/10.1016/j.virusres.2019.197642>
64. Cauvin, A.^G, Dinh, E.T.N., Orange, J.P., Shuman, R.M., Blackburn, J.K., Wisely, S.M. 2020. Antibodies to epizootic hemorrhagic disease virus (EHDV) in adjacent farmed and wild Florida white-tailed deer (*Odocoileus virginianus*). *Journal of Wildlife Diseases* 56:208-213 <https://doi.org/10.7589/2019-02-034>
65. Austin, J., Gumbi, B., Rojas Bonzi, V.[§], Carneiro, C.^u, Wisely, S., McCleery, R.A., Monadjem, A. 2019. Comparative spatial genetic structure of two rodent species in an agro-ecological landscape in southern Africa. *Mammalian Biology* 97:64-71. <https://doi.org/10.1016/j.mambio.2019.05.001>
66. Merrill MM^G, Boughton RK, Lollis LO, Sayler KA^P, Wisely S.M. 2019. Epidemiology of bluetongue virus and epizootic hemorrhagic disease virus in beef cattle on a ranch in south-central Florida. *Vector-borne and Zoonotic Disease* <https://doi.org/10.1089/vbz.2018.2406>

67. McGregor, B.[§], Sloyer, K.E.[§], Saylor, K.A.^P, Goodfriend, O., Campos-Krauer, J.M., Acevedo, C., Zhang, Z., Mathias, D., Wisely, S.M., Burkett-Cadena, N.D. 2019. Field data implicating *Culicoides stellifer* and *Culicoides venustus* (Diptera: Ceratopogonidae) as vectors of epizootic hemorrhagic disease virus. *Parasites and Vectors* 12:258. <https://doi.org/10.1186/s13071-019-3514-8>
68. Sloyer, K.[§], Burkett-Cadena, N.D., Yang, A., Corn, J.L., Vigil, S.L., McGregor, B.L., Wisely, S.M., Blackburn, J.K. 2019. Ecological niche modeling the potential geographic distribution of four *Culicoides* species of veterinary significance in Florida, USA. *PLoS One* 14(2): e0206648. PMID: 30587789
69. Ahasan, M.S.^P, Campos, J., Subramaniam, K., Lednicky, J., Loeb, J., Saylor, K.^P, Wisely, S., Waltzek, T. 2019. Genome sequences of a novel strain of Big Cypress orbivirus isolated from a dead Florida white-tailed deer (*Odocoileus virginianus*). *Microbiology Resource Announcements* 8:e01717-18. <https://doi.org/10.1128/MRA.01717-18>
70. McGregor, B.[§], Stenn, T., Saylor, K.^P, Blosser, E., Blackburn, J., Wisely, S. Burkett-Cadena, N. 2019. Host use patterns of *Culicoides* spp. biting midges at a big game preserve in Florida, USA, and implications for the transmission of Orbiviruses. *Medical and Veterinary Entomology* 33:110-120. <https://doi.org/10.1111/mve.12331>
71. Carr, A.^U, Milleson, M., Hernández, F.^G, Merrill, H., Avery, M. and Wisely, S.M. 2019. Wildlife Management Practices Associated with Pathogen Exposure in Non-Native Wild Pigs in Florida, US. *Viruses*, 11:14. <https://doi.org/10.3390/v11010014>
72. Ahasan, M.S.^P, Campos, J., Subramaniam, K., Lednicky, J., Loeb, J., Saylor, K., Wisely, S., Waltzek, T. 2019. Complete genome sequence of mobuck virus from a Florida white-tailed deer (*Odocoileus virginianus*). *Microbiology Resource Announcements*. 8:e01324-18 <https://doi.org/10.1128/MRA.01324-18>

Grants:

Current Grants

- USDA Veterinary Services Center for Epidemiology and Animal Health. Geographic Distribution and Host Associations of Ticks. PI: S.M. Wisely. \$149,951.
- USDA Veterinary Services Center for Epidemiology and Animal Health. Modeling the geographic distribution of *Ornithodoros turicata americanus* in Florida: implications for African Swine Fever. September 2023-September 2024. PI: S. Wisely. \$124,151.
- USDA Veterinary Services Center for Epidemiology and Animal Health. Evaluation of the geographic distribution and host associations of *Ornithodoros turicata americanus* in Florida. PI: S.M. Wisely. September 2022-August 2024. \$180,000.
- National Science Foundation. IRES Track I: Understanding the global problem of defaunation through field experiments in Africa. September 2020- August 2024. co-PI: S. Wisely, \$299,472.
- Cervidae Disease Research - Florida Legislative Recurring Academic Appropriation. July 2016-present. PI: Wisely. \$2,000,000 per annum, \$14,400,000 total.

Previous Grants

- USDA Veterinary Services Center for Epidemiology and Animal Health. Feral Swine Contact, Disease Transmission, Damage, and Population Change Methods Development and Data Collection. September 2020-September 2022. PI: Wisely. \$43,873.
- USDA Veterinary Services Center for Epidemiology and Animal Health. Implementation of Methods to Estimate US Feral Swine Population Size & Occupancy Status. September 2018- September 2019. Co-PI: SM Wisely. \$136,002. Subaward \$22,000.

Centers for Disease Control, Grant# CK000510, Regional Center of Excellence in Vector-borne Diseases.12/30/2016-12/29/2020. R. Dinglasan (PI). J. Bloomquist, D. Cummings, G. Glass, J. Lednicky, M. Long, S. Ryan, S. Wisely (co-PIs). \$10,299,628. Subaward \$391,378
USDA Veterinary Services Center for Epidemiology and Animal Health. Feral Swine Contact and Dispersal – Methods Development and Data Collection. September 2019-2020. PI: S.M. Wisely. \$125,223.

Extension Products and Presentations since 2019 – I have two programmatic areas. My main program is providing diagnostic services and Extension programming for Florida deer farmers. Secondly, I provide information on wildlife and zoonotic diseases.

Publications in Extension - EDIS

- Campos Krauer, J.M. and Wisely, S.M., 2024. Facts about Wildlife Diseases: Warts in White-tailed deer (Cutaneous Fibromas). WEC465/UW523 DOI: <https://doi.org/10.32473/edis-UW523-2024>
- Campos Krauer, J.M. and Wisely, S.M., 2024. Facts about Wildlife Diseases: Things You Should Know about Deerpox Virus in Farmed White-Tailed Deer in Florida: WEC463/UW519, 5/2024. DOI: <https://doi.org/10.32473/edis-UW519-2024>
- Wisely, S. Ober, H., Translation by Acevedo, M. 2023. Enfermedades zoonóticas: la rabia. Publication #WEC239S. <https://doi.org/10.32473/edis-UW506-2023>
- Baker, B. and Wisely, S. 2023. Facts about wildlife diseases: highly pathogenic avian influenza (HPAI). Publication #WEC457. DOI: doi.org/10.32473/edis-UW502-2023 <https://doi.org/10.32473/edis-UW502-2023>
- Cottingham, S., Walden, H., Wisely, S.M., Campos Krauer, J.M. 2022. Facts about wildlife diseases: gastrointestinal parasites of farmed white-tailed deer in Florida. <https://doi.org/10.32473/edis-uw498-2022>
- Wisely, S.M. 2022. Facts about Wildlife Diseases: SARS-CoV-2 in white tailed deer. WEC 445. <https://doi.org/10.32473/edis-uw490-2022>
- Hostetler, H., Wisely, S., Main, M., Johnson, S., Peinaar, E.F. 2020. How effective and humane are trap-neuter-release (TNR) of feral cats? UW 468, <https://edis.ifas.ufl.edu/uw468>
- Ober, H., Wisely, S.M. 2020. Facts about wildlife diseases: Bats and Coronaviruses. UW 473. <https://edis.ifas.ufl.edu/uw473>
- Tavares, Y. and Wisely S.M. 2020. Facts about wildlife diseases: Ehrlichiosis. UW436. <https://doi.org/10.32473/edis-uw481-2020>
- Kaufman, P.E., Wisely, S.M., Gillett-Kaufman, J.L. 2020. Primary screwworm *Cochliomyia hominivorax* (Coquerel) (Insecta: Diptera: Calliforidae). EENY-668. <https://edis.ifas.ufl.edu/publication/IN1146>
- Campos Krauer, J.M., Wisely, S.M., Barber, H.M. 2020. Lumpy jaw in white-tailed deer. WEC 427. <https://edis.ifas.ufl.edu/publication/UW472>
- Hood, K. and Wisely, S.M. 2019. Facts about Wildlife Diseases: Eastern equine encephalitis. WEC408 <https://edis.ifas.ufl.edu/pdf/edis/UW/UW45300.pdf>.
- Wisely, S.M., Ober, H.K. 2019. Facts about wildlife diseases: Rabies. WEC239. <https://edis.ifas.ufl.edu/publication/UW282>

Publications in Popular Press

- Wisely, S.M. 2024. Crop Damage from Deer in the Panhandle. Panhandle Ag eNews.
- Wisely, S.M. 2024. Update on the status of wild turkey in the Panhandle. Panhandle Ag eNews.
- Wisely, S. M. 2023. Deadly Deer Disease Comes to the Panhandle. Panhandle Ag eNews.
- Wisely, S. M. 2023. Identification and Management of Foxes and Coyotes in the Panhandle. Panhandle Ag eNews.
- Wisely, S. M. 2022. SARS-CoV-2 in white-tailed deer. Panhandle Ag eNews.

Wisely, S. M. 2022. Keep Your Rabbits Healthy and Safe from RHDV2. Panhandle Ag eNews.
Wisely, S. M. 2022. Protecting Your Poultry Flock From Bird Flu. Panhandle Ag eNews.
Wisely, S.M. 2021. Protecting farm workers, livestock and stock dogs from rabies in Florida. Panhandle Ag eNews.
Wisely, S.M. 2021. Chagas Disease – A Health Risk for Rural People in the Southeastern U.S. Panhandle Ag eNews.
Barber, H.M., Sayler, K.A., Campos, J.M., Wisely, S. M. 2019. Trueperella Q&A. Southeast Times 7:26, 29.

Farmed Deer Diagnostic Laboratory Director – Since 2016, my diagnostic lab has provided disease diagnostic services and contributed to clinical reports for >2050 dead or moribund farmed deer and visited deer farms in Florida >250 times.

Workshops Designed and Implemented –

- Cervidae Health Research Initiative Educational Workshop at the Southeast Trophy Deer Association Spring Fling and Auction 2023. 126 participants
- Cervidae Health Research Initiative Educational Workshop at the Southeast Trophy Deer Association Summer Picnic 2023. 29 participants
- UF IFAS CHeRI Research Retreat. I organized this retreat. Day 1: all day research symposium, Day 2: PI retreat and strategic plan development. 2002 & 2033. 24 and 32 attendees, respectively.
- UF IFAS WEC Extension Specialist retreat. I organized the retreat. We discussed Extension programming updates and T&P preparation for untenured faculty. 12 attendees.
- Cervidae Health Research Initiative Educational Workshop at the Southeast Trophy Deer Association Spring Fling and Auction 2022. 152 participants
- Cervidae Health Research Initiative Educational Workshop at the Southeast Trophy Deer Association Summer Picnic 2021. 55 participants
- New Deer Farmer Workshop, Straughn Center, Gainesville, Florida. 2020. 25 participants
- 4th Annual Cervidae Health Science Symposium – August 2019. 48 attendees.
- Emerging Agricultural Enterprises in Florida – December 2019. I co-chaired this in-service training for 140 county and state faculty

Field Days and Events –

- North American Elk Breeders Association. 2024. EHDV in elk. Webinar. 22 participants
- Southeast Trophy Deer Association Annual Auction. 2024. CHeRI set up an information booth and conducted a seminar on deer health. 145 attendees.
- Southeast Trophy Deer Association, Summer BBQ. 2024. How to incorporate CHeRI into your deer farm operation. 55 participants.
- The Wild Side Live: A Nuisance Wildlife Control Radio Show on Facebook Live. 2024. I was a guest interviewee in January, February and March. Sponsored by the Florida Nuisance Wildlife Trappers Association. 220 views
- Healthy Deer Field Day, Likesey Ranch, Venus, Florida. 2023. I organized this field day. 29 attendees.
- Virtual Forage Field Day, Osceola County. What is deer farming? 2021. 16 participants
- Wildlife Forages Demonstration, Marion County. I participated in this event organized by Marion County Extension, 54 participants, 2020
- Food Plots and Field Forages for Deer Farmers with 12 participants, 2019

In Service Training Participant –

- UF IFAS Extension Symposium. Invited Presentation. 2023. Using a logic framework to present your Extension in the T&P packet. 47 participants.
- UF IFAS Extension Symposium. Invited presentation. 2021. Using AI to understand disease transmission in wild pigs. 53 participants.
- UF IFAS Invasive Species In service training – October 2019. 16 state and county faculty.

Industry Trade Shows or Event-

- The Wild Side Live: A Nuisance Wildlife Control Radio Show on Facebook Live. 2023-2024. I am a reoccurring guest. Sponsored by the Florida Nuisance Wildlife Trappers Association. 180 views
- Southeast Trophy Deer Association Annual Meeting – UF IFAS Cervidae Health Research Initiative booth. 2016-2024.
- Webinar - Ohio Deer Association Annual Meeting, August 2020 - EHD in white-tailed deer: the past, present and future of deer health. 52 participants.
- Minnesota Elk Breeders Association, 2020 – EHD in elk. What we know and what we don't. 34 participants

Invited Workshops and Webinars

- Diseases of Florida Mammals – Friends of Payne's Prairie, 2023. 24 attendees
- Invasive Wild Pig Impacts and Management in Florida – Calusa Nature Preserve, Ft. Myers, Florida. 2023. 12 attendees.
- Florida Interagency Wild Pig Working Group. The impact of wild pigs on natural resources in Florida. 2021. 35 participants
- Webinar – US Animal Health Association Annual Meeting, October 2020 – Update on EHD in Florida. 163 participants.
- Conservation Genomics for Practitioners. Sponsored by Genomic Biodiversity Knowledge for Resilient Ecosystems (GBiKE), a European Union sponsored initiative. 2020.
- Webinar – CDC Lunch and Learn Series, 5 Fridays in May 2020. I participated in these live webinars to highlight research activities and answer questions from the general public about ticks and tick-borne diseases. Sponsored by the CDC Centers of Excellence in Vector-borne Diseases. 2098 unique participants (>400 each week) from 44 states and 6 countries.
- Webinar – UF IFAS Extension Wildlife and Invasive Species Education: Florida Master Naturalist Program, October 2020 – Wildlife diseases of invasive species. 65 attendees.
- US Animal Health Association. 2019. Invited speaker at the Farmed Cervid Working Group. 55 attendees

Other Extension products

- Canino, N.^U, Wisely, S.M. 2023. Elusive Soft Ticks: Finding an Understudied Disease Vector in Florida. UF IFAS Blog, April 6th, 2023.
- Botero, S.^P, Wisely, S.M. 2023. UF Scientists Try Novel Method of Detecting Biodiversity. UF IFAS Blog, January 12th, 2023.
- Best management practices of EHDV vaccination – Infographic. 2020.
- Tick Check! Tick awareness with North Florida Land Trust. Brochures for kiosks throughout NFLT properties. 2019
- Invasive Rhesus Macaques in Florida. 2019. Learning module for the UF IFAS Invasive Species Council.

Websites, newsletters and social media

- CHeRI homepage. www.wec.ufl.edu/cheri - This website was launched in October 2015. It is a portal for deer farmers to find health related information about their livestock. > 48,000 visits were recorded since 2019.
- EHDV Case Dashboard (<https://experience.arcgis.com/experience/3a08f867439043b1a71e280f73495037/>). A real-time map of hemorrhagic disease cases in Florida since 2021. >1200 visits.
- **X (Twitter):** @UF_IFAS_CHeRI We launched this account in 2019. We have 142 followers. We provide news and information to deer farmers through this portal and our facebook portal.
- **Facebook:** UF IFAS Cervidae Health Research Initiative. Launched June 2016. We have 362 followers.
- **Newsletter:** I send out quarterly newsletter to ~300 email addresses. About half of those are UF scientists or administrators, and the other half are deer farmers and industry specialists. Newsletters are archived on the website.

Professional Service:

European Union COST Action Network, Invited Member

- G-BiKE: Genomic Biodiversity Knowledge for Resilient Ecosystems. New technology working group. 2019-2022.
- SafeGameMeat: Safety in the Game Meat Chain. Biological Hazards Working Group. 2022 – present.

Wildlife Conservation Advisor

- Consultant for red deer management to PE Vojvodinašume (Public Trust Forestry Company), Republic of Serbia. 2021- present
- Member – Conservation Genetics Specialist Group, IUCN, 2016-present
- Member – Genetics Advisory Board for USFWS Black-footed Ferret Recovery Team, 2014-present

Zoonotic Disease and Health Advisor

- Consultant – Chinhoyi Technical University of Zimbabwe, Development of a One Health Education Program. 2022.
- Member - Ad hoc Committee on Bluetongue Surveillance in the US, USDA National Diagnostic Veterinary Laboratory. 2021.
- Member – Florida Interagency Arbovirus Task Force, 2024
- Member – Florida Interagency Zoonotic Disease Working Group, 2012-present
- Member – Florida Dept. of Public Health, Florida Rabies Advisory Committee, 2012-present

External Reviewer for Grants, Promotion and Tenure

- Swiss National Science Foundation. Ad hoc proposal review. 2024
- South African National Research Foundation. Evaluation of Academic Researcher for Ranking, 2024.
- USDA ARS Government Grade Advancement, 2023
- Texas A&M Univ Department of Rangeland, Wildlife, and Fisheries Management, 2023
- Michigan Technical University, College of Forest Resources and Environmental Sciences, 2023
- Oklahoma State University, Department of Plant Pathology and Entomology, 2023
- Virginia Tech University, Dept. of Fish and Wildlife Conservation, 2023
- Texas A&M, Dept. of Entomology, 2022

- University of Georgia, College of Veterinary Medicine, 2020

Editorial Reviewer:

- Frontiers in Public Health. Special issue: Genomic and Phylogenetic Insights into Zoonotic Disease Transmission: Implications for Public Health, 2024
- Guest Editor, Viruses (journal), Special Issue: Epizootic Hemorrhagic Disease Virus, 2021
- Guest Editor, Insects (journal), Special Issue: Tick and Tick-borne Disease Surveillance, 2019
- Ad Hoc Reviewer: Biological Journal of Linnean Society, Proceedings of the 4th Martes Symposium, Prairie Naturalist, Conservation Genetics, Molecular Ecology, Journal of Mammalogy, Journal of Evolutionary Biology, Annales Zoologici, Genetics and Molecular Biology, Journal of Wildlife Management, Biological Conservation, Genetica, Journal of Heredity, Revista Mexicana e Biodiversidad, International Journal of Artificial Life Research, Southwestern Naturalist, Animal Conservation, Environmental Conservation, International Journal of Parasitology

Academic Service Activities:

University

UF Commencement Marshall Fall 2022, Spring and Summer 2023

UF Provost Panel Reviewer for Research Opportunity (Seed) Fund (2022)

UF Faculty Senate – Land Use and Facilities Planning Committee (2017-2020)

College

UF IFAS T&P Committee (2022-2023)

UF IFAS Invasion Science Center Advisory Council, 2023-present

UF IFAS Dean of Extension – Extension Symposium Planning Committee

UF IFAS Dean of Research Advisory Committee (DRAC) 2021-present

UF IFAS Search Committee for Director of Invasion Science Center (2021)

Department

UF IFAS WEC Chair Search Committee Member, 2024

UF IFAS WEC Chair, Faculty Search Committee for Quantitative Ecologist, 2024.

UF IFAS WEC Building Planning Committee, 2022-present

UF IFAS WEC Dept. seminar co-coordinator, Fall 2021.

UF IFAS WEC Mentoring Committee for Miguel Acevedo, Bridget Baker, Hance Ellington, Brett Scheffers, Juan Campos

Society Memberships:

American Society of Mammalogists - Life Member

- Member, Conservation Awards Committee

American Association for the Advancement of Science – Member since 2021

Wildlife Disease Association- Advisor to the UF Student Chapter 2016-2021.

Invited Professional Presentations:

Northeastern University. 2024. The Ethics Institute. Cloning for conservation.

U.S. Public Health Service. 2024 Training Symposium. Veterinary Core. Using a One Health Approach to Assess the Risk of Chaga's Disease in Florida.

8th Annual Eswatini Biodiversity Symposium. 2023. **Keynote Address.** Using a One Health Approach to Disease Ecology in Eswatini.

European Union COST Action Network. Gene editing for the conservation of the black-footed ferret. Webinar. 46 attendees, 2023.

International Animal Science Symposium. The role of universities in agricultural business development: perspectives from Serbia and the United States, University of Novi Sad, Serbia 2023.

ProtectBIRDS: A Serbian Hungarian Partnership through the European Union. Sampling for Success: Best practices in wildlife biosampling. University of Novi Sad, Serbia. 2022.

American Zoo and Aquarium Association's Black-footed Ferret Recovery and Reintroduction Program Analysis. *Keynote address*: Historical biogeography of the black-footed ferret. 2021

Canadian Government, Ministry of the Environment, Wild Pig Operational Task Force – Impacts and management of wild pigs in Florida. 2021

Archbold Biological Station. Virtual seminar. Disease ecology of wild pigs in Florida and on Buck Island Ranch. 2020.

Genetic Biocontrol of Rodents Partnership (GBIRD). A consortium of 7 organizations research gene drive for conservation. Virtual seminar. Bioethical analysis of conservation cloning for genetic rescue. Case study of the black-footed ferret. 2020.

Yale University Interdisciplinary Center for Bioethics. Using cloning or other novel technological solutions as a tool to save endangered species: ethical considerations. Virtual seminar. 2020.

Chapter of the Wildlife Disease Association, University of Florida. February 2019. Cervidae Health Research Initiative and One Health in Florida.

UF Biodiversity Symposium, May 2019. Collaborations in Biodiversity: Pathogens and Parasites. Samantha Wisely

Professional Presentations

2024

The Entomological Society of America. Practices, attitudes and knowledge on vector control among Florida deer farmers. Montenegro, V.M., Buckern, E.E., Wisely, S.M., Campos-Krauer, J.M., Burkett-Cadena, N.D. ***Vilma won first place for students!***

The Wildlife Society. Integrating systematic surveys with historical data to model the distribution of *Ornithodoros turicata*, a vector of epidemiological concern in North America. S. Botero-Cañola^P, C.T. Torhorst, N. Canino^G, L. Beati, K. O'Hara, A. James, S.M. Wisely

The Wildlife Society. Using mosquito bloodmeals to enhance wildlife pathogen surveillance and management. C.T. Torhorst, Z.S. White, S. Botero-Canola, L. Reeves, N. Burkett-Cadena, S. M. Wisely.

Association for International Agricultural and Extension Education. Evaluating vaccine use in farmed white-tailed deer in Florida: identifying knowledge gaps and strategies to increase deer health. S.M. Wisely, J.M. Campos Krauer, A. Petersen, Y. Tavares.

Vertebrate Pest Conference. Evaluation of bloodmeals from mosquitos to detect and identify invasive or nuisance vertebrates. Wisely, S.M. ***Plenary Speaker***

Vertebrate Pest Conference. Feral Swine and Pathogens: Mosquitoes are adding a new twist to a tale as old as time. Torhorst, C., Wisely, S.M.

UF EPI Research Day. The geographic distribution and environmental drivers of *Ornithodoros turicata* in the southeastern United States. Botero-Canola, S., Torhorst, C., Canino, N., O'Hara, K., James, A., Wisely, S.M. ***1st place for best Postdoctoral Research Poster!***

UF EPI Research Day. Low prevalence of SARS-CoV-2 in both farmed and free-ranging Florida white-tailed deer. Grace, S., Wilson, K.N., ... Wisely, S.M. ***2nd place for Best Student Poster!***

UF EPI Research Day. Analysis of the relationship between soft ticks (*Ornithodoros turicata*) and wild pigs (*Sus scrofa*) in Florida: Implications for African Swine Fever Virus introductions to the United States. Canino, N., Botero-Canola, S., Torhorst, C., Canino, N., O'Hara, K., James, A., Wisely, S.M.

- UF EPI Research Day. Identification of a novel Rhabdovirus and Orbivirus in a dead farmed Florida white-tailed deer. DeRRuyter, E.,... Wisely, S.M., Lednicky, J.
- UF EPI Research Day. Mule deer poxvirus transmission and detection. Maxwell, L., Campos-Krauer, J.M., Wisely, S.M., Subramaniam, K.
- UF EPI Research Day. Emerging viral pathogens in farmed white-tailed deer (*Odocoileus virginianus*) in Florida. Cheng, A., ... Wisely, S.M., Campos-Krauer, J.M.
- UF EPI Research Day. Torque teno sus Virus 1: A potential surrogate pathogen to study pig-transmitted transboundary animal diseases. Li, X., Parker, B., Boughton, R., ... Wisely, S.M.
- UF EPI Research Day. Mosquitos as sentinels of wildlife disease: can mosquito blood meals innovate the field of wildlife disease surveillance. Torhorst, C. White, Z., ... Wisley, S.M.
- 2023
- Annual Meeting of The Wildlife Society. A standardized survey method for soft ticks in gopher burrows: Implications for African Swine Fever Virus introduction to the United States. C. Torhorst^G, N. Canino^U, S. Botero^P, S. Wisely
- Annual Meeting of The Wildlife Society. Ecoacoustic indices to track local vertebrate biodiversity. S. Botero^P, K. Sieving, C. Romagosa, N. Burkett-Cadena, L. Reeves, S. Wisely.
- International Meeting of the Wildlife Disease Association. Mule DeerpoX Virus in Farmed White-tailed Deer (*Odocoileus virginianus*) in Florida. A. Cheng^G, P. de Oliveira Viadanna^P, L. Roldan, T. Logan, K. Subramaniam, J.J. Bittar, K.C. Jeong, J. Lednicky, S. Wisely, J. Campos Krauer.
- International Meeting of the Wildlife Disease Association.. Development of an effective standardized method to survey and collect soft ticks (*Ornithodoros* sp.) in gopher tortoise (*Gopherus polyphemus*) burrows. N. Canino^U, S. Botero-Cañola^P, C. Torhorst^G, L. Baptist, K. O'Hara, A. James, S. Wisely
- International Meeting of the Wildlife Disease Association. Haemosporidian parasites on wading birds captured from breeding colonies in coastal Alabama. K. Zhang^G, C. Gulick, Z. White, K. Wilson, S. Wisely, A. Powell
- International Meeting of the Wildlife Disease Association. Trueperella pyogenes, a Lethal Pathogen of Farmed White-Tailed Deer (*Odocoileus virginianus*) in Florida. A. Cheng^G, T. Liu, K.C. Jeong, K. Subramaniam, J.J. Bittar, S. Wisely, J. Campos-Krauer.
- The Waterbird Society Meeting. Infection Rates Of Avian Malaria In White Ibis And Tricolored Herons In The Southeastern US. Khang^G, Z., Wisely, S.M., Powell, A.
- UF Virology Retreat Symposium. Torque Teno Sus Virus 1: A Potential Surrogate Pathogen to Study Pig-Transmitted Transboundary Animal Diseases. Xiaolong Li^P, Brandon M. Parker^G, Raoul K. Boughton, James C. Beasley, Timothy J. Smyser, James D. Austin, Kim M. Pepin, Ryan S. Miller, Kurt C. Vercauteren, Samantha M. Wisely
- UF EPI Research Day. Detection of SARS-CoV-2 in Florida's farmed white-tailed deer. S. Grace^G, R. Pu, M. Long, J. Richt, J.M. Campos Krauer, J. Lednicky, K. Subramaniam, S. Wisely.
- UF EPI Research Day. Bluetongue virus serotypes found in deceased Florida farmed white-tailed deer. K. Wilson, S. Grace^G, Z. White, J. Lednicky, K. Subramaniam, P. de Oliveira Viadannap, J. Campos Krauer, S. Wisely
- UF EPI Research Day. Development of an effective standardized method to survey and collect soft ticks in gopher tortoise burrows. N. Canino^U, S. Botero Cañola^P, C. Torhorst^G, L. Baptist^U, K. O'Hara, A. James, S. Wisely.
- UF EPI Research Day. Preliminary characterization of unusual epizootic hemorrhagic disease variants. A. Joseph^G, E. DeRuyter^G, T. Logan, R. Messcher, K. Subramaniam, S. Wisely, J. Lednicky
- UF EPI Research Day. Using hierarchical species occupancy models to understand the distribution of *Ornithodoros turicata*, a soft tick of epidemiological concern. S. Botero-Cañola^P, C. Torhorst^G, N. Canino^U, L. Baptist^U, K. O'Hara, A. James, S. Wisely
- UF EPI Research Day. Trueperella pyogenes, a lethal pathogen for farmed white-tailed deer in Florida. A. Cheng^G, T. Liu, J. Bittar, K. Jeong, K. Subramaniam, S. Wisely, J. Campos Krauer.

- UF EPI Research Day. Characterization of bluetongue virus serotype 1 strains isolated from farmed white-tailed deer in Florida USA. P. de Oliveira Viadanna^P, T. Logan, J. Lednický, J. Campos Krauer, W. Wisely, K. Subramaniam.
- UF EPI Research Day. Emerging vial pathogens in farmed white-tailed deer in Florida. A. Cheng^g, P. de Oliveira Vaidana^P, L. Roldan, J. Bittar, K. Jeong, K. Subramaniam, S. Wisely, J. Campos, Krauer.
- 2022
- Annual Meeting of The Wildlife Society. Trypanosoma cruzi in the Southeastern United States and a Survey of Select Native Reservoir Hosts. Torhorst, C. ^G, Wisely, S.M.
- Annual Meeting of The Wildlife Society. The Florida Bonneted Bat Consists of Two Isolated, Cryptic Lineages. Carneiro, C. ^g, Austin J., et al., Wisely, S.M.
- Annual Meeting of The Wildlife Society. A Comparison of Mosquito Bloodmeal Analysis with Traditional Wildlife Surveys for Assessing Biodiversity. Wisely, S.M., Botero, S. ^P, Burkett-Cadena, N., Reeves, L.
- 10th International Deer Biology Congress. The Cervidae Health Research Initiative increases survival and production of farmed white-tailed deer. Samantha Wisely, Juan Campos et al.
- 10th International Deer Biology Congress. Bluetongue virus serotypes found in deceased Florida farmed white-tailed deer. Kristin Wilson, Zoe White, Samantha Wisely, Juan Campos.
- 10th International Deer Biology Congress. SARS-CoV-2 in farmed white-tailed deer. Savannah Grace^G, Samantha Wisely, Juan Campos. **Savannah won best student presentation!*
- 10th International Deer Biology Congress. Cause of death in Florida farmed white-tailed deer. Juan Campos, Samantha Wisely.
- 10th International Deer Biology Congress. Bacterial pathogens isolated from Florida farmed white-tailed deer. An-Chi Cheng^g, Juan Campos, Samantha Wisely.
- 10th International Deer Biology Congress. Rapid detection of BTV serotypes using an underutilized detection platform. Zoe White, Samantha Wisely.
- International Meeting of the Wildlife Disease Association. The epidemiological impact of synanthropic mesomammals in the peridomestic transmission cycle of T. cruzi in Florida. Carson Torhorst^G, Zoe White, Norman Beatty, Samantha Wisely.
- International Meeting of the Wildlife Disease Association. Trueperella pyogenes, a Lethal Pathogen for Farmed White-Tailed Deer in Florida. An-Chi Cheng^g, Ting Liu, Joao Bittar, Kwangcheol Casey Jeong, Kuttichantran Subramaniam, Samantha M. Wisely, Juan M. Campos Krauer
- UF EPI Research Day. SARS-CoV-2 in Farmed White-tailed Deer: A Proposal. S. Grace^G, K. Subramaniam, S.M. Wisely.
- 2021
- The Annual Meeting of the Wildlife Society. Temporal and Spatial Distribution of Ticks Collected from Feral Swine in Northern and Central Florida, and Implications for Tick-Borne Disease Surveillance. S.M. Maestas^g, L. Campbell, M. Milleson, P. Kaufman, S.M. Wisely.
- Society of Vector Ecology. Kissing bugs invading homes, infected opossums, and Chagas Disease among the Latin American community An update on what we are learning here in Florida about Trypanosoma cruzi infection. Norman Beatty, Rhoel Dinglasan, Samantha Wisely, Sarah Hamer, Eva Novakova, Nathan Burkett-Cadena.
- Brazilian Society of Genetics Annual Meeting. Population and functional genomics of a highly endangered North American mammal: The case study of the black-footed ferret (*Mustela nigripes*). Henrique Vieira Figueiró^P, Sergei Kliver, Budhan Pukazhenthí, Samantha Wisely, Paul Marinari, Klaus-Peter Koepfli
- Biodiversity Genomics Meeting. Population and functional genomics of a highly endangered North American mammal: The case study of the black-footed ferret (*Mustela nigripes*). Henrique Vieira Figueiró^P, Sergei Kliver, Budhan Pukazhenthí, Samantha Wisely, Paul Marinari, Klaus-Peter Koepfli

Annual Meeting of the Ecological Society of America. Land use patterns drive patterns of tick occurrence and pathogen prevalence in Eswatini. Kimberly Ledger^G and Samantha Wisely

Annual Meeting of The Wildlife Society. Temporal and Spatial Distribution of Ticks collected From Feral Swine in Northern and Central Florida, and Implications for Tick-Borne Disease. Sarah Mays Maestas^G, Lindsey Campbell, Mike Milleson, Phillip Kaufman, and Samantha Wisely.

International Meeting of the Wildlife Disease Association. Cause of Death in Florida Farmed White-tailed Deer (*Odocoileus virginianus*) during 2017 – 2020. Cheng, A.^g,...Wisely, S.M., Campos Krauer, J.M.

American Society of Tropical Medicine and Hygiene. Identification of tick-borne Rickettsia in communal lands, ranches, and protected areas of Eswatini. Ledger, K.^G and S. Wisely.

American Society of Tropical Medicine and Hygiene. Detection of a Tick-Borne Exotic Rickettsia in an Invasive Reptile Tick Collected from an Invasive Amphibian. De Jesus, C.^G, Harman, M.^g, Romagosa, C., Wisely, S.

Annual Midwestern Conference of Parasitologists. Spatial ecology of *Trypanosoma cruzi* in wildlife hosts in Florida: a proposal. C. Torhorst^G, S.M. Maestas^g, N. Beatty, S.M. Wisely. *Carson won the Chester A. Herrick Award, sponsored by Eli Lilly & Co. for the best poster/demonstration of parasitological research*

UF EPI Research Day. Genome sequence of a novel strain of Yunnan orbivirus isolated from a dead Florida white-tailed deer (*Odocoileus virginianus*). Viadanna, P.H.O.^P, Rodrigues, T.C.S.^P, Subramaniam, K., Campos Krauer, J.M., Lednicky, J.A., Loeb, J.C., Wisely, S.M., Waltzek, T.B.

UF EPI Research Day. Spatial ecology of *Trypanosoma cruzi* in wildlife hosts in Florida: a proposal. C. Torhorst^G, S.M. Maestas^g, N. Beatty, S.M. Wisely

UF EPI Research Day. Diversity and distribution of tick-borne Rickettsia in Eswatini. K. Ledger and S.M. Wisely

UF EPI Research Day. Detection of a Tick-Borne Exotic Rickettsia in an Invasive Reptile Tick. C. De Jesus, M. Harman, C. Romagosa, S.M. Wisely.

UF EPI Research Day. Investigating the presence and co-infectivity rate of pathogenic Rocky Mountain Spotted Fever Rickettsioses (SFGR) in *Amblyomma americanum* ticks known to be positive with *Rickettsia amblyommatis* within Alachua County, Florida. C. Bhosale, K.N. Wilson, Z. White, C. De Jesus, S.M. Wisely.

UF EPI Research Day. Spatio-temporal variation in the abundance of ectoparasites collected from urban and sylvatic wild mesomammals in north-central Florida. S.M. Maestas, L. Campbell, P. Kaufman, S.M. Wisely.

UF EPI Research Day. Survey of gastrointestinal parasites and parasite control practices of farmed white-tailed deer (*Odocoileus virginianus*) in Florida, USA. Cottingham, S.L., Walden, H.D.S., Isaza, R., Wisely, S.M., Campos Krauer, J.M.

UF Emerging Pathogen Institute Research Day. Bacterial pathogens isolated from Florida farmed white-tailed deer (*Odocoileus virginianus*) during 2017 – 2020. A. Cheng, A.T. Fouche, A.L. Fajfer, S.M. Wisely, J.M. Campos Krauer.

UF EPI Research Day. Genome sequence of a novel strain of Yunnan orbivirus isolated from a dead Florida white-tailed deer (*Odocoileus virginianus*). P.H.O. Viadanna, T.C.S. Rodrigues, K. Subramaniam, J. Lednicky, J. Loeb, S.M. Wisely, T. Waltzek.

Southeast Section of the Entomological Society of America. Spatio-temporal variation in the abundance of ectoparasites collected from urban and sylvatic wild mesomammals in north-central Florida. S.M. Maestas, L. Campbell, P. Kaufman, S.M. Wisely.

2020

Society for Environmental Toxicology and Entomology. Measurement of Per- and Polyfluoroalkyl Substances (PFAS) in Hematophagous Insects (Ticks) as a Novel Strategy to Monitor Environmental

Contamination Levels. Juan J. Aristizabal-Henao, Emily K. Griffin, Rick S. Ostfeld, Kelly Oggenfuss, Brandon M. Parker, Samantha M. Wisely & John A. Bowden.

Entomological Society of America. Ticks in museum collections: reptile specimens are an untapped resource. Carrie De Jesus, Samantha Wisely, Coleman Sheehy, David Blackburn. ***Carrie won 2nd place in the student presentation competition!***

Entomological Society of America. Comparisons of ectoparasites of urban and wild mesomammals in north-central Florida. Mays Maestas, S.E.^g, L.P. Campbell, S.M. Wisely, and P.E. Kaufman.

American Society of Tropical Medicine and Hygiene. *Trypanosoma cruzi* infection among rural and urban Virginia opossums and North American raccoons found in north Florida, USA. Norman Beatty, Zoe White, Chanakya Bhosale^U, Kristen Wilson, Sarah Maestas^g, Samantha Wisely.

American Society of Tropical Medicine and Hygiene. Reptile hosts of *Ixodes scapularis*: What role do reptiles play in the epidemiology of Lyme disease in the southeastern US? Carrie E. De Jesus^G, Samantha M. Wisely, Coleman M. Sheehy, David C. Blackburn

International Wild Pig Conference. Predicting functional responses in agro-ecosystems from animal movement data to improve management of invasive pests. Virtual presentation. Mark Q. Wilber, Sarah M. Chinn, James C. Beasley, Raoul K. Boughton, Ryan K. Brook, Stephen S. Ditchkoff, Justin W. Fischer, Steve B. Hartley, Lindsey K. Holmstrom, John C. Kilg, Jesse S. Lewis, Ryan S. Miller, Nathan P. Snow, Kurt C. VerCauteren, Samantha M. Wisely, Colleen T. Webb, Kim M. Pepin

International Wild Pig Conference. Virtual presentation. The use of a sentinel virus to understand foreign animal disease epidemiology. Brandon Parker^G, Samantha Wisely, Raoul Boughton, James Beasley, Ryan Miller, Kim Pepin, Kurt VerCautern.

Annual Biomedical Research Conference for Minority Students. Gaps in Scientific Knowledge of Rickettsiosis in the United States. Rayann Dorleans^U, Samantha Wisely.

UF EPI Research Day. A Survey of Tick-Borne Bacterial and Viral Pathogens in Florida. Carrie De Jesus^G, Zoe White, William Kessler, Claudia Ganser^P, Chanakya Bhosale^U, Samantha Wisely, Gregory Glass

UF EPI Research Day. Ecological comparisons of ectoparasites of urban and sylvatic wild mesomammals in north-central Florida. Mays Maestas, S.^g, L. Campbell, S. Wisely, and P. Kaufman

Joint Eastern & Southeastern Branch Meeting of the Entomological Society of America. Comparisons of ectoparasites of urban and wild mesomammals in north-central Florida. Maestas, S.M.^g, Campbell, L., Wisely, S.M., Kaufman, P.E.

2019

Entomological Society of America, St. Louis, MO. Seasonal shifts in ectoparasites of Florida wild mesomammals. Sarah Maestas^g, Samantha Wisely, Phillip Kaufman.

49th Annual Society for Vector Ecology, San Juan Puerto Rico. Ticks and Their Vectored Pathogens Within Rural, Semi-Urban and Urban Environments in Alachua County, FL. Chanakya Bhosale^U, Kristen Wilson, Carrie De Jesus^G, Zoe White, Samantha Wisely.

49th Annual Society for Vector Ecology, San Juan Puerto Rico. Multi-scale patterns of tick occupancy and abundance across an agricultural landscape in southern Africa. Kim Ledger^G, Samantha Wisely

49th Annual Society for Vector Ecology, San Juan Puerto Rico. Prevalence of Ixodid Ticks on Reptile Hosts in Florida. Carrie De Jesus^G, Samantha Wisely, Coleman Sheehy and David Blackburn.

Entomological Society of America, St. Louis, MO. Seasonal shifts of Florida wild mesomammal ectoparasites. Sarah Mays Maestas^g, Samantha Wisely and Phillip Kaufman.

39th Annual Congress of the Zoological Society of Southern Africa, South Africa. Multi-scale patterns of tick occupancy and abundance across an agricultural landscape in southern Africa. Ledger, K.J.^G, Keenan, R.^U, Sayler, KA and SM Wisely.

68th Annual International Conference of the Wildlife Disease Association, Lake Tahoe, CA. Cause of Death in Florida Farmed White-Tailed Deer (*Odocoileus virginianus*) during 2017 – 2018.

Cottingham, S. [§], Barber, H. [§], Goodfriend, O., Sayler, K., Walden, H.S., Waltzek, T.B., Lednicky, J., Blackburn, J., Wisely, S., Campos, J.

68th Annual International Conference of the Wildlife Disease Association, Lake Tahoe, CA., The nasal microbiome of farmed White-tailed deer (*Odocoileus virginianus*) in Florida. Barber, H. [§], Gomez, D., Wisely, S., Campos, J.

68th Annual International Conference of the Wildlife Disease Association, Lake Tahoe, CA. Phylogenomic Characterization of Novel Orbiviruses Isolated From White-tailed Deer (*Odocoileus virginianus*) Ahasan, M., Subramaniam, K., Lednicky, J., Loeb, J., Sayler, K., Campos, J., Wisely, S., Waltzek, T.

85th Annual Meeting of the American Mosquito Control Association. Rickettsia Diversity of *Amblyomma americanum* in Florida. Carrie E. De Jesus^G, Zoe White, Greg Glass, Samantha Wisely

New Horizons Conservation Conference, Environmental Fellows Program, University of Michigan. Understanding How Heterogeneity and Fine Scale Characteristics Influence Tick-Borne Disease Regulation in Swaziland. Hanna Innocent^U, S. Wisely, K. Ledger^G.

UF Biodiversity Symposium. Collaborations in Biodiversity: Pathogens and Parasites. Samantha Wisely

Regional Southeastern Meeting of the Entomological Society of America.. Investigating the Prevalence of *Ixodes scapularis* on Reptile Hosts in Florida. Carrie De Jesus^G, Samantha Wisely, and Coleman Sheehy

Annual meeting of Florida Co-op Unit Cooperators.. Increase in abundance of Ixodid ticks from 2014-2018 at UF IFAS Ordway Swisher Biological Station. Geraldine Klarenberg^P and Samantha Wisely.

Annual meeting of Florida Co-op Unit Cooperators.. Sex-Dependent Differences of Avian Haemosporidia Prevalence in Cattle Egrets (*Bubulcus ibis*). Gaby Gonzalez^U, S. Wisely, S. Moore^G.

Annual meeting of Florida Co-op Unit Cooperators. Statewide surveillance of tick-borne pathogens from Ixodid ticks. Chanyaka Bhosale^U, Z. White, C. De Jesus^G, S. Wisely.

University Scholars Program, University of Florida. Sex-Dependent Differences of Avian Haemosporidia Prevalence in Cattle Egrets (*Bubulcus ibis*). Gaby Gonzalez^U, S. Wisely, S. Moore^G.

College of Medicine Research Day, University of Florida. The impact of ticks and their hosts on vector-borne zoonotic diseases in the African savanna. Rayann Dorleans^U, K. Ledger^G, S. Wisely

UF EPI Research Day. Investigating the Prevalence of *Theileria* Spp. Within *Amblyomma americanum* in Florida. Chanyaka Bhosale^U, Z. White, C. De Jesus^G, S. Wisely.

UF EPI Research Day. Investigating the Prevalence of *Ixodes scapularis* on Reptile Hosts in Florida. Carrie De Jesus^G, S. Wisely, C. Sheehy.

UF EPI Research Day. Multi-scale patterns of tick occupancy and abundance across an agricultural landscape in southern Africa. K. Ledger^G, S. Wisely

Guest Lectureships:

University of Florida, WEC Wildlife Diseases Guest Lectures. Wildlife Disease Management, Diseases of Mustelids. 2017-2022

University of Florida, WEC Conservation Genetics Guest Lecture. Conservation Genetics of the Black-footed Ferret. 2012-2022

University of St. George's College of Veterinary Medicine, Grenada. Conservation Medicine in Carnivores. November 2013.

Kansas State University College of Veterinary Medicine (KSUCVM). Dept. of Pathology. Emerging Diseases. I lectured on Disease Ecology. 2007-2011.

KSUCVM. Pathways to Public Health. Undergraduate Summer Research Experience. I lectured on the role of zoonotic disease in public health. 2010-2011.

Current Advisees at UF:

Post docs

Sebastian Botero

Xiaolong Li

Graduate Students:

Savannah Grace, Ph.D. student, Spatial epidemiology of viruses in white-tailed deer. Expected Summer 2025

Nicholas Canino, MS/BS dual degree. Soft tick ecology. Degree expected December 2025

Adele Pietras, Ph.D. student, Conservation genomics of the black-footed ferret. Expected Summer 2027

Tyrel Hafliger, Ph.D. student, Disease ecology of wild turkeys in Florida. Expected Summer 2028

Master of Health Science Intern

Agatha Winiarski

Other Graduate Students Contributing to My Lab:

Ke Cheng. Avian malaria in shorebirds

Undergraduate Students:

Caroline Phillips

Thaleia Roda

Paige DeFelice

Interns:

None

Past Advisees:

Postdoctoral Researchers:

Geraldine Klarenberg, Demography of ticks

Katherine Sayler, Ecology of hemorrhagic disease in Cervidae.

Mark Statham, Phylogeography of red fox in North America.

Michael Westphal, (co-advised with Ted Morgan) Genetic architecture of adaptive melanism in a grassland snake species. Biologist for BLM.

Jennifer Apple, Host race formation in *Hesperotettix viridis*. Currently Asst. Professor at SUNY Geneseo.

Graduate Students:

Carson Torhorst, M.S. student, Trypanosoma cruzi in Florida wildlife.

Kimberly Ledger, Ph.D. student, Tick ecology in southern Africa.

Carrie De Jesus, Ph.D. student, Tick ecology in Florida.

Brandon Parker, M.S. Student, Torque teno as a model system of transmission in feral swine.

Karen Hood, M.S. non thesis student.

Shannon Moore, M.S. from UF, Molecular ecology of cattle egrets.

Alli Cauvin, M.S. from UF. Health predictors of neonate white-tailed deer.

Mary Leigh Morris Merrill, Ph.D from UF. Disease ecology of Florida cattle ranches.

Claudia Ganser, Ph.D. from UF, Avian malaria in Arctic-breeding Shorebirds

Felipe Hernández, Ph.D. from UF, Effects of contaminants on pathogen communities of feral swine

Courtney Bounds, non-thesis M.S. student

Brittany Bankovich, M.S. from UF. Ecological and economic impacts of feral swine in Florida.

Employed by FFWC.

Sieara Claytor, M.S. from UF. The influence of global change on amphibian diseases. Admitted to PhD program, James Cook University
Claudia Ganser, M.S. from KSU, PhD from UF. Vector ecology in the Great Plains. Employed as a research scientist at UF.
Zachary Lounsbury, M.S. from KSU, Conservation genetics of Buff-breasted Sandpiper. Employed in bioscience.
Lance McNew*, Ph.D. from KSU. Demography of the Greater Prairie-chicken. Asst. Professor at Montana State University
Andrew Gregory*, Ph.D. from KSU. Landscape genetics of the Greater Prairie-chicken. Asst. Professor at Texas Tech University.
Heather Barton, Ph.D. from KSU, Phylogeography of rabies and its host, the striped skunk. Asst. Professor at Grove City College.
Juan Campos, Ph.D. from KSU, Biogeography of capybara in Paraguay. Asst. Prof at UF
Sarah Bowe, M.S. from KSU, Risk assessment of rabies exposure in the Midwest. Lost to follow up.
Ashley Casey*, M.S. from KSU, Breeding biology and mating system of Upland Sandpiper. Employed in bioscience.
*co-advised with Brett Sandercock

Other Graduate Students Contributing to My Lab:

Sarah Maestras, Ph.D. student (E&N), Ectoparasites of wildlife along the rural to urban gradient
Jane Anderson, Ph.D. student, Diseases of invasive macaques of Florida
Rachel Pigg, Ph.D. student, Landscape genetics of Black-tailed Prairie Dog
Emilie Blevins, M.S. Landscape genetics of collared lizards in the Flint Hills.
Tony Grace, Ph.D., Host race formation in the grasshopper, *Hesperotettix viridis*.
Page Klug, Ph.D., Landscape genetics of Yellow-bellied Racers
Jonathan Conard, Ph.D., Landscape genetics of an elk herd on Ft. Riley Army Base
Khara Strum, M.S., Molecular sexing of Buff-breasted Sandpipers
Ron Van Nimmwiggen, Ph.D. Landscape genetics of the grasshopper mouse

Veterinary Student Research:

University of Florida:

Sarah Flanders
Timothy O'Leary
William Smith
Hillary Leonardo

Kansas State University:

Kelsey Schroeder. Surveillance of mosquitos for avian malaria.
Lauren Bodenhamer. Environmental variation in mosquito community dynamics.
Caitlin Burrell. Pathology of Greater Prairie-chicken.
Anne-Catrin Geuthner. Pathology of the striped skunk.
Colleen Lambo. Ecotoxicogenomics of small mammals.
Joy Delamaide, Ecotoxicogenomics of small mammals.
Lindsey McKinsey, Ecotoxicogenomics of small mammals. (coadvised with S.J. Brown).
David Gasper, Ecotoxicogenomics of small mammals. Pathology residency program, UC Davis.

Other Internships

Hannah Barber, CHeRI Gap Year Intern
Morgan Walker, CHeRI Gap Year Intern
Danielle Hulvey, Environmental and Global Health, One Health Intern

Kristen Wilson, Masters Health Science, PPHP, UF
Katherine Buschang, Masters Health Science, PPHP, UF

Undergraduates:

Nicholas Canino

Travis Reia

Lucy Baptiste

Catalina Corral, University Scholars Program, *Trypanosoma cruzi* in rodents

Gabriela Gonzalez, University Scholars Program, Sex determinants of malaria infection in cattle egrets.

Chanakya Bhosale, Prevalence of Ehrlichia in *Amblyoma americanum*.

Rayanne Dorleans, BRIDGES Program, Prevalence of Rickettsia in African ticks.

Joshuah Demitrius, SF2UF program, Health correlates in white-tailed deer.

Yasmin Tavares, Vaccine field trials in white-tailed deer

Shelby LeClare, Termite responses to commercial agriculture in Eswatini

Hanna Innocent, Emerging Scholars Program, Invasion ecology of cattle egrets

Karen Hood, *Theileria* infection in farm-raised deer

Celine Carneiro, Mesocarnivores in an agro-ecological landscape

Shannon Moore, Trypanosomas of avian hosts in the Swaziland lowveld

Andraya Mendez, Mark-recapture analysis of genets in Swaziland

Jamie Nicholson, Avian malaria in shorebirds

Samantha Gamble. Avian malaria in shorebirds.

Paige Berry. Landscape genetics of Greater Prairie chicken.

Cody Simmons. Prevalence of avian malaria in Greater Prairie-chickens

Jasmine Sharp. Biogeography of Buff-breasted sandpiper.

Alexia Sampson. Natural history of mosquito communities in Kansas.

Hailey Peterson. Landscape genetics of Greater Prairie chicken. K-INBRE Scholar.

Jorge Mendoza. Evaluating application requirements for graduate schools.

Adam Siders. Density estimates of white-tailed deer on Konza Prairie Biological Station

Claudia Ganser. Rate of human exposure to rabies in Kansas, 1998-2008. Cancer Center Scholar, K-INBRE Scholar

Alyssa Maddox. Landscape genetics of white-tailed deer. Howard Hughes Medical Institute Scholar 2006. NASA Scholar 2006.

Tom Prebyl. Landscape genetics of Greater Prairie-chicken. Mark Enloe Memorial Scholarship winner.

Taryn Cipra. Conservation genetics of Kansas elk.

Ashley Casey. Molecular sexing of Upland Sandpiper.

Sarah Muetting. Conservation genetics of black-footed ferret. Cancer Center Scholar

Carissa Fredrickson. Conservation genetics of Bobwhite Quail.

Katrina Kiefer. Howard Hughes Medical Institute Undergraduate Scholar. Molecular sexing of Upland Sandpipers. (Coadvised with Brett Sandercock). Currently a veterinary student at KSU.

Charity Patricola-Simpson. Ecotoxicogenomics of a small mammal community.

Jeremy Thornbrough. Research Experience for Undergraduates. Spotlight surveys of carnivores on Konza Prairie Biological Station.

Ben Neely. Presence and distribution of mesocarnivores on Konza Prairie Biological Station. Currently a M.S. student at U. Nebraska.

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