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**ROBERT JAMES OSSIBOFF, DVM, PhD, DACVP**

Clinical Assistant Professor ♦ Aquatic, Amphibian, and Reptile Pathology Program  
Department of Comparative, Diagnostic, and Population Medicine  
College of Veterinary Medicine ♦ University of Florida  
Gainesville, FL 32608 ♦ [rossiboff@ufl.edu](mailto:rossiboff@ufl.edu)

*I am a board certified veterinary anatomic pathologist, virologist, and molecular diagnostician with a primary professional focus on increasing the breadth and depth of knowledge of diseases of wildlife with special emphasis on reptiles and amphibians. Through a combined understanding of the fundamentals of disease pathogenesis, pathogen biology, disease pathology, and molecular/cellular biology, I approach animal disease investigations from multiple angles in an attempt to completely characterize disease conditions. My ultimate goal is to broadly impact the health of both captive and free-ranging wildlife through pathogen research and discovery, the creation and distribution of novel reagents, and the dissemination of knowledge and training.*

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**I. EDUCATION**

Doctor of Veterinary Medicine – 2010

*College of Veterinary Medicine, Cornell University, Ithaca, NY*

PhD, Comparative Biomedical Sciences, Concentration Infectious Diseases – 2009

*Cornell University, Ithaca, NY*

BS, Biology – 2003

*Loyola University Chicago, Chicago, IL*

**II. PROFESSIONAL CERTIFICATION**

Diplomate, American College of Veterinary Pathologists – 2013

**III. PROFESSIONAL EXPERIENCE**

Clinical Assistant Professor, Aquatic, Amphibian, and Reptile Pathology Program – September 2017 – *current*

Co-Director, ZooMed Diagnostic Laboratory – December 2018 – *current*

Coordinator, Anatomic Pathology Residency Program – January 2019 - *current*

Department of Comparative Diagnostic and Population Medicine, College of Veterinary Medicine

Affiliate Faculty Member, School of Natural Resources and Environment

University of Florida, Gainesville, FL

Clinical Assistant Professor – July 2016 – August 2017

Zoological Pathology Program, Veterinary Diagnostic Lab, University of Illinois at Urbana-Champaign,  
Brookfield, IL

**IV. POSTDOCTORAL TRAINING**

Postdoctoral Research Associate – 2014-2016

*Animal Health Diagnostic Center, College of Veterinary Medicine, Cornell University, Ithaca, NY*

Molecular Pathology Fellowship – 2013-2014

*Wildlife Conservation Society, Bronx, NY*

Anatomic Pathology Residency – 2012-2013

*Wildlife Conservation Society, Bronx, NY*

Anatomic Pathology Residency – 2010-2012

*College of Veterinary Medicine, Cornell University, Ithaca, NY*

## V. PEER-REVIEWED PUBLICATIONS

1. Gilbert, M., N. Sulikhan, O. Uphyrkina, M. Goncharuk, L. Kerley, E.H. Castro, R. Reeve, T.A. Seimon, D. McAloose, I.V. Seryodkin, S.V. Naidenko, C.A. Davis, G.S. Wilkie, S.B. Vattipally, W. Adamson, C. Hinds, E.C. Thomson, B. Willett, M.J. Hosie, N. Logan, M. McDonald, **R.J. Ossiboff**, E. Shevtsova, S. Belyakin, A.A. Yurlova, S. Osofsky, D. Miguella, L. Matthews, and S. Cleaveland. 2020. Distemper, extinction and vaccination of the Amur tiger. *PNAS*. *Submitted*.
2. Woodburn, D., M. Kinsel, C. Poll, J. Langan, K. Haman, K. Gamble, C. Maddox, A. Jeon, J.F.X. Wellehan, **R.J. Ossiboff**, M.C. Allender, and K. Terio. 2020. Shell lesions associated with *Emydomyces testavorans* infection in freshwater aquatic turtles. *Vet Pathol*. *Submitted*
3. Whipple, K.M., J.F.X. Wellehan, A.B. Jeon, B.R. Sabatino, S. Frasca Jr., V.L. Popov, **R.J. Ossiboff**, and M.L. Leissinger. 2020. Cytologic, histologic, microbiologic, and electron microscopic characterization of a canine *Prototheca wickerhamii* infection. *Vet Clin Path*. *In Press*
4. Balko, J.A., L.P. Posner, **R.J. Ossiboff**, S.K. Chinnadurai. 2020. Safety and efficacy of topical diclofenac and subcutaneous firocoxib, ketoprofen, and meloxicam in Smokey Jungle Frogs (*Leptodactylus pentadactylus*). *J Herp Med Surg*. *In Press*
5. Furst, N. A. Alexander, **R.J. Ossiboff**, R. Giglio, R. Turner, S. Swift, P. Regier, E. Porter, L. Charles, J.F.X. Wellehan. 2020. Tail Base Aneurysm in an Inland Bearded Dragon (*Pogona vitticeps*). *J Exotic Pet Med*. 33:34-37. doi: [10.1053/j.jepm.2020.02.001](https://doi.org/10.1053/j.jepm.2020.02.001)
6. Christman, J.E., A.B. Alexander, K.A. Donnelly, **R.J. Ossiboff**, N.I. Stacy, R.L. Richardson, J.B. Case, A.L. Childress, and J.F.X. Wellehan. 2020. Clinical manifestation and molecular characterization of a novel member of the Nannizziopsiaceae in a pulmonary granuloma from a Galapagos tortoise (*Chelonoidis nigra*). *Front Vet Sci*. 7:324. doi: [10.3389/fvets.2020.00024](https://doi.org/10.3389/fvets.2020.00024)
7. Hopf, C. E.A. Graham, C.F.C. Gibas, C. Sanders, J. Mele, H. Fan, M.M. Garner, N.P. Wiederhold, **R.J. Ossiboff**, and N. Abou-Madi. 2020. A Novel Exophiala Species Associated With Disseminated Granulomatous Inflammation in a Captive Eastern Hellbender (*Cryptobranchus alleganiensis alleganiensis*). *Front Vet Sci*. 7:325. doi: [10.3389/fvets.2020.00025](https://doi.org/10.3389/fvets.2020.00025)
8. Raphael, B.L., S.K. Macey, K. Platt, S.G. Platt, T.A. Seimon, **R.J. Ossiboff**, B.D. Horne, A.L. Gamarra, M.G. Barrera, T. Lwin, M.M. Soe, S.H. Aung, S.S. Nwe, L.L. Khaing, S.S. New. 2019. Health Screening of Burmese Star Tortoises (*Geochelone platynota*) Prior to Introduction to the Wild. *Chelonian Cons and Bio*. 18(2):153-162. doi: [10.2744/CCB-1353.1](https://doi.org/10.2744/CCB-1353.1)
9. Hoon-Hanks, L.L., **R.J. Ossiboff**, P. Bartolini, S.B. Fogelson, S.M. Perry, A.C. Stohr, S.T. Cross, J.F.X. Wellehan, E.R. Jacobson, E.J. Dubovi, and M.D. Stenglein. 2019. An epidemiologic investigation of serpentovirus (nidovirus) infection in captive snake populations. *Front Vet Sci*. 6:338. doi: [10.3389/fvets.2019.00338](https://doi.org/10.3389/fvets.2019.00338)
10. Kirejczyk, S.G.M., R.E. Burns, M.W. Hyatt, M.J. Yabsley, J.M. Ter Beest, Z.S. Gyimesi, **R.J. Ossiboff**, A. Waltman, T.A. Seimon, and R. McManamon. 2019. Fatal *Sarcocystis falcatula* infection in three penguins. *Front Vet Sci*. 6:340. doi: [10.3389/fvets.2019.00340](https://doi.org/10.3389/fvets.2019.00340)
11. **Ossiboff, R.J.**, A.E. Towe, M.A. Brown, A.V. Longo, K.R. Lips, D.L. Miller, E.D. Carter, M.J. Gray, and S. Frasca Jr. 2019. Differentiating *Batrachochytrium dendrobatidis* and *B. salamandrivorans* in amphibian chytridiomycosis using RNAScope® in situ hybridization. *Front Vet Sci* 6:304. doi: [10.3389/fvets.2019.00304](https://doi.org/10.3389/fvets.2019.00304)
12. Lovstad, J.N., **R.J. Ossiboff**, M.J. Kinsel, K.C. Gamble. 2019. Novel Herpesvirus Associated with Oropharyngeal Squamous Cell Carcinoma in Smooth Green Snakes (*Opheodrys vernalis*). *Vet Pathol*. 56 (4):630-635. doi: [10.1177/0300985819837722](https://doi.org/10.1177/0300985819837722)
13. Baker, S.J., E. Haynes, M. Gramhofer, K. Stanford, S. Bailey, M. Christman, K. Conley, S. Frasca, Jr., **R.J. Ossiboff**, D. Lobato, M.C. Allender. 2019. Case Definition and Diagnostic Testing for Snake Fungal Disease. *Herp Rev*. 50(2):279-285.

14. Aplasca, A.C, V. Titus, **R.J. Ossiboff**, L. Murphy, T.A. Seimon, K. Ingerman, W. E. Moser, P.P. Calle, J.M. Sykes IV. 2019. Health assessment of free-ranging chelonians in an urban section of the Bronx River, New York. *J Wildl Dis.* 55 (2):352-362. [doi: 10.7589/2017-12-304](https://doi.org/10.7589/2017-12-304)
15. Karwacki, E., M. Atkinson, **R.J. Ossiboff**, A.E. Savage. 2018. A novel quantitative PCR assay specific for the emerging Perkinsea amphibian pathogen reveals seasonal infection dynamics across anuran families and life stages. *Diseases of Aquatic Organisms.* 129(2):85-98. [doi: 10.3354/dao03239](https://doi.org/10.3354/dao03239)
16. Hoon-Hanks, L.L, M.L. Layton, **R.J. Ossiboff**, J.S.L. Parker, E.J. Dubovi, M.D. Stenglein. 2018. Respiratory disease in ball pythons (*Python regius*) experimentally infected with ball python nidovirus. *Virology.* 517:77-87. [doi: 10.1016/j.virol.2017.12.008](https://doi.org/10.1016/j.virol.2017.12.008)
17. Wasik, B.R., K.N. Barnard, **R.J. Ossiboff**, Z. Khedri, K. Feng, H. Yu, X. Chen, D.R. Perez, A. Varki, C.R. Parrish. 2017. Distribution of O-acetylated sialic acids among the target tissues of influenza hosts. *mSphere.* 2(5): e00379-16. [doi: 10.1128/mSphere.00379-16](https://doi.org/10.1128/mSphere.00379-16)
18. Hattenrath-Lehmann, T.K, **R.J. Ossiboff**, C. Rauschenberg, K. Hynes, R. Burke, E.M. Bunting, K. Durham, C.J. Goble. 2017. The role of a PSP-producing *Alexandrium* bloom in an unprecedented diamondback terrapin (*Malaclemys terrapin*) mortality event in Flanders Bay, New York, USA. *Toxicon.* 129:26-43. [doi: 10.1016/j.toxicon.2017.02.006](https://doi.org/10.1016/j.toxicon.2017.02.006)
19. White, C.L., M.J. Forzan, A.P. Pessier, M.C. Allender, J.R. Ballard, A. Catenazzi, H. Fenton, A. Martel, F. Pasmans, D.L. Miller, **R.J. Ossiboff**, K.L.D. Richgels, J.L. Kirby. 2016. A Case Definition and Diagnostic Criteria for *Batrachochytrium salamandrivorans* Chytridiomycosis. *Herp Rev.* 47 (2):207-209.
20. Kaye, S.W., H. Daverio, R. Eddy, **R.J. Ossiboff**, J. Peters-Kennedy, J.K. Morrissey. 2016. Surgical resection of an interrenal cell adenocarcinoma in a woma python (*Aspidites ramsayi*) with 18-month follow-up. *J Herp Med Surg.* 26 (1-2): 26-31. [doi: 10.5818/1529-9651-26.1-2.26](https://doi.org/10.5818/1529-9651-26.1-2.26)
21. **Ossiboff, R.J.**, L. Coffee, R. de Matos. 2016. Pathology in Practice: Iliac Artery Thromboembolism in a Ferret. *JAVMA.* 248 (5): 501-503. [doi: 10.2460/javma.248.5.501](https://doi.org/10.2460/javma.248.5.501)
22. Sander, S.J., **R.J. Ossiboff**, T. Stokol, J.C. Steeil, D.L. Neiffer. 2015. Endolymphatic sac carcinoma in situ in a tokay gecko (*Gekko gecko*). *J Herp Med Surg.* 25 (3-4):82-86. [doi: 10.5818/1529-9651-25.3.82](https://doi.org/10.5818/1529-9651-25.3.82)
23. **Ossiboff, R.J.**, M. M. Clancy, K. A. Terio, K. J. Conley, D. McAloose. 2015. Cerebral and ocular ochroconiasis in two elegant crested tinamou (*Eudromia elegans*) chicks. *Vet Pathol.* 52 (4): 716-19. [doi: 10.1177/0300985814556186](https://doi.org/10.1177/0300985814556186)
24. **Ossiboff, R.J.**, A.L. Newton, T.A. Seimon, R.P. Moore, D. McAloose. 2015. Emydid herpesvirus 1 infection in northern map turtles (*Graptemys geographica*) and painted turtles (*Chrysemys picta*). *J Vet Diag Invest.* 27 (3): 392-95. [doi: 10.1177/1040638715584793](https://doi.org/10.1177/1040638715584793)
25. Rettenmund, C.L., **R.J. Ossiboff**, D. McAloose, W. Knee, S.E. Wade, J.A. Pare. 2015. Microlichus americanus (Sarcoptiformes: Epidermoptidae) acariasis in saffron finches (*Sicalis flaveola*) with dermatitis and feather loss. *J Vet Diag Invest.* 27 (3): 382-86. [doi: 10.1177/1040638715581677](https://doi.org/10.1177/1040638715581677)
26. **Ossiboff, R.J.**, B.L. Raphael, A.D. Ammazalorso, T.A. Seimon, A.L. Newton, T.Y. Chang, B. Zarate, A.L. Whitlock, D. McAloose. 2015. Three novel herpesviruses of endangered *Clemmys* and *Glyptemys* turtles. *PLoS One.* Apr 15;10(4):e0122901. [doi: 10.1371/journal.pone.0122901](https://doi.org/10.1371/journal.pone.0122901)
27. Kaye S., **R.J. Ossiboff**, B. Noonan, T. Stokol, E. Buckles, T. A. Seimon, J. Morrissey, R. de Matos. 2015. Biliary coccidiosis associated with immunosuppressive treatment of pure red cell aplasia in an adult ferret (*Mustela putorius furo*). *J Ex Pet Med.* 24 (2):215-22. [doi:10.1053/j.jepm.2015.04.012](https://doi.org/10.1053/j.jepm.2015.04.012)
28. **Ossiboff, R.J.**, B. L. Raphael, A. D. Ammazalorso, T. A. Seimon, H. Niederriter, B. Zarate, A. L. Newton, D. McAloose. 2015. A Mycoplasma species of Emydidae turtles in the Northeastern United States. *J Wildl Dis.* 51 (2):466-70. [doi: 10.7589/2014-04-086](https://doi.org/10.7589/2014-04-086)
29. Uccellini, L.\*, **R.J. Ossiboff\***, R.E.C. de Matos, J.K. Morrissey, A. Petrosov, I. Navarrette-Macias, K. Jain, A.L. Hicks, E.L. Buckles, R. Tokarz, D. McAloose, W.I. Lipkin. 2014. Identification of a novel nidovirus in an

outbreak of fatal respiratory disease in ball pythons (*Python regius*). *Virology Journal*. 11:144 (\* denotes authors contributed equally). [doi: 10.1186/1743-422X-11-144](https://doi.org/10.1186/1743-422X-11-144)

30. Cushing, A.C., **R.J. Ossiboff**, S.E. Knafo, H. Priest, M.S. Kraus, G.V. Kollias. 2014. Coelomic and pericardial effusion associated with mesothelioma in a savannah monitor (*Varanus exanthematicus*). *J Herp Med Surg*. 24 (3-4):66-71. [doi: 10.5818/1529-9651-24.3.66](https://doi.org/10.5818/1529-9651-24.3.66)
31. Cushing, A.C., **R.J. Ossiboff**, E. Buckles, N. Abou-Madi. 2013. Metastatic pancreatic carcinoma and bronchioloalveolar adenomas in an Egyptian fruit bat (*Rousettus aegyptiacus*). *J. Zoo Wildl. Med*. 44(3): 794-98. [doi: 10.1638/2013-0026R.1](https://doi.org/10.1638/2013-0026R.1)
32. Longo, A.V., **R.J. Ossiboff**, K. R. Zamudio, and P. A. Burrowes. 2013. Lability in host defenses: terrestrial frogs die from chytridiomycosis under enzootic conditions. *J Wildl Dis*. 49(1): 197-99. [doi: 10.7589/2012-05-129](https://doi.org/10.7589/2012-05-129)
33. **Ossiboff, R.J.\***, Y. Zhou\*, P. Lightfoot, V. Prasad, J.S.L. Parker. 2010. Conformational Changes in the Capsid of a Calicivirus upon Interaction with its Functional Receptor. *J Virol*. 84: 5550-64. (\* denotes authors contributed equally). [doi: 10.1128/JVI.02371-09](https://doi.org/10.1128/JVI.02371-09)
34. Pesavento, P., H. Liu, **R.J. Ossiboff**, K.M. Stucker, A. Heymer, L. Millon, J. Wood, D. van der List, and J.S.L. Parker. 2009. Characterization of a continuous feline mammary epithelial cell line susceptible to feline epitheliotropic viruses. *J Virol Methods*. 157:105-110. [doi: 10.1016/j.jviromet.2008.11.018](https://doi.org/10.1016/j.jviromet.2008.11.018)
35. **Ossiboff, R.J.**, and J. S. Parker. 2007. Identification of regions and residues in feline junctional adhesion molecule required for feline calicivirus binding and infection. *J Virol*. 81:13608-21. [doi: 10.1128/JVI.01509-07](https://doi.org/10.1128/JVI.01509-07)
36. **Ossiboff, R.J.**, A. Sheh, J. Shotton, P. A. Pesavento, and J. S. Parker. 2007. Feline caliciviruses (FCVs) isolated from cats with virulent systemic disease possess in vitro phenotypes distinct from those of other FCV isolates. *J Gen Virol*. 88:506-27. [doi: 10.1099/vir.0.82488-0](https://doi.org/10.1099/vir.0.82488-0)

## VI. BOOK CHAPTERS/JOURNAL SPECIAL TOPICS

1. **Ossiboff, R.J.** *Molecular Techniques and Real Time PCR*. Schalm's Hematology. 7<sup>th</sup> edition. K. Harr, editor. *Expected publication 2020*
2. **Ossiboff, R.J.**, N.I. Stacy, F.C. Origgi. Special Research Topic Health and Disease in Captive and Free Ranging Wildlife. *Frontiers in Veterinary Science*. Received 42 manuscripts for consideration; 27 accepted as of February 7, 2020. *Expected completion 2020*.
3. Stacy, B.A., **R.J. Ossiboff**, and A. Pessier. *Host Response to Infectious Agents and Identification of Pathogens in Tissue Section*. Book Chapter in Infectious Diseases and Pathology of Reptiles. 2<sup>nd</sup> edition. E. Jacobson and M. Garner, eds. *Expected publication 2020*
4. Origgi, F.C., **R.J. Ossiboff**, and J.A. Paré. *Isolation of Pathogens*. Book Chapter in Infectious Diseases and Pathology of Reptiles. 2<sup>nd</sup> edition. E. Jacobson and M. Garner, eds. *Expected publication 2020*
5. Graham, E., R. Burns, and **R.J. Ossiboff**. *Depositional Diseases*. Book Chapter in Infectious Diseases and Pathology of Reptiles. 2<sup>nd</sup> edition. E. Jacobson and M. Garner, eds. *Expected publication 2020*
6. **Ossiboff, R.J.** *Serpentis*. Book Chapter in Pathology of Wildlife and Zoo Animals. 1<sup>st</sup> edition. 2018. K. Terio, J. St. Leger, and D. McAloose, editors.

## VII. GRANTS

1. *In vitro* characterization of ophidian serpentoviruses to identify and mitigate risks to captive and free-ranging reptiles. 2020. PI: **R.J. Ossiboff**. Students: Steven Tillis and Ashton Boon. CVM Spring Consolidated Faculty Research Development Award. University of Florida. (\$9,972) *Submitted*.

2. Determining the role of *Blastocystis* in cases of tortoise enterocolitis. 2020. Resident: Bryce Miller. PI: **R.J. Ossiboff**. CVM Resident's Intramural Competitive Research Grants Program. University of Florida. (\$1,827) **Submitted**.
3. Assessing in vitro susceptibility of reptilian cell lines to serpentovirus isolates. 2020. Student: Ashton Boon. PI: **R.J. Ossiboff**. Morris Animal Foundation. Veterinary Student Scholar Program. (\$5,000) **Funded**.
4. Geographical expansion of rat lungworm in Florida: its threat to human health. 2019. PI: H.S. Walden. Co-Investigators: **R.J. Ossiboff** and J. Slapcinsky. National Institute of Health. R03. Scored (44), Not Funded.
5. Development of molecular assays for the diagnosis of enteric trematodiasis in the Florida manatee (*Trichechus manatus latirostris*). 2019. Student: Tatiana Weisbrod. PIs: **R.J. Ossiboff** and N.I. Stacy. Co-investigator: M. de Wit. Student: Tatiana Weisbrod. Marine Mammal Research Fund. University of Florida. (\$5,500) **Funded**.
6. Development of an in vitro assay to determine infectious titers of ophidian nidoviruses. 2019. Student: Chani Rue. PI: **R.J. Ossiboff**. Morris Animal Foundation. Veterinary Student Scholar Program. (\$5,000) **Funded**.
7. Establishing tissue culture cell lines from reptiles, amphibians, and other captive and free-ranging wildlife. 2018. PI: **R.J. Ossiboff**; Mentor: J.F.X. Wellehan. Morris Animal Foundation. First Award. (\$89,532) **Funded**.
8. Efficient gene editing to evaluate gene function in three diverse, cosmopolitan, and threatened frog lineages. PI: A.E. Savage. Co-PIs: S. Lance, **R.J. Ossiboff**, B.B. Parrott, J. Robert. 2018. National Science Foundation - Enabling Discovery through GENomic Tools (EDGE). (Total Amount Requested: \$1,312,636; Ossiboff sub-contract \$ 222,002). Not Funded.
9. Investigating the role of paralytic shellfish poisoning (PSP) toxins in a regional mortality event of diamondback terrapins (*Malaclemys terrapin*). 2015. Co-PIs: **R.J. Ossiboff**, K. Hynes, C. Rauschenberg, C.J. Gobler. The National Centers for Coastal Ocean Science (NCCOS) Harmful Algal Bloom Event Response Program. (\$5440) **Funded**.
10. Induction of protective immunity against chytrid fungus (*Batrachochytrium dendrobatidis*) in captive reared eastern hellbenders (*Cryptobranchus alleganiensis*). 2014. PI: **R.J. Ossiboff**. Great Lakes Fish and Wildlife Restoration Act Pre-Proposal. United States Fish and Wildlife Service. (\$225,000) Not Funded. Ranked 17 of 64 proposals received. Top 15 grants invited to submit full proposals.
11. Vaccinating eastern hellbenders (*Cryptobranchus alleganiensis*) against chytrid fungus (*Batrachochytrium dendrobatidis*). 2014. PI: **R.J. Ossiboff**. David R. Atkinson Center for a Sustainable Future Sustainable Biodiversity Fund. (\$5720) **Funded**; one of seven grants selected out of 42 submissions for funding.
12. Addressing the problem of infectious disease in endangered and threatened species. 2014. PI: JSL Parker. Co-PIs: E.J. Dubovi, I. Hewson, **R.J. Ossiboff**, G.K. Kollias. David R. Atkinson Center for a Sustainable Future Academic Venture Fund 2014. (\$77,981) **Funded**.
13. Herpesviruses in wild populations of *Glyptemys* and *Clemmys* turtles in the Northeastern United States. 2013. PI: **R.J. Ossiboff**. Turtle Conservation Fund. (\$4980) Not Funded.

## VIII. CONFERENCE PRESENTATIONS AND POSTERS

1. Current and Emerging Reptile Diseases, 2020. **R.J. Ossiboff**. Master Class. ExoticsCon: Joint Conference of the Association of Avian Veterinarians (AAV), the Association of Exotic Mammal Veterinarians (AEMV), and the Association of Reptilian and Amphibian Veterinarians (ARAV). Denver, Colorado. *August 2020*
2. Molecular Diagnostics Primer for the Clinician. **R.J. Ossiboff**. Master Class. ExoticsCon: Joint Conference of the Association of Avian Veterinarians (AAV), the Association of Exotic Mammal Veterinarians (AEMV), and the Association of Reptilian and Amphibian Veterinarians (ARAV). Denver, Colorado. *August 2020*
3. Entamoebiasis in captive anurans. T.C. Weisbrod, A.B. Jeon, D.B. Pouder, N.I. Stacy, H.S. Walden, S.F. Frasca Jr., R.P.E. Yanong, M. Garner and **R.J. Ossiboff**. Oral Presentation. ExoticsCon: Joint Conference



- of the Association of Avian Veterinarians (AAV), the Association of Exotic Mammal Veterinarians (AEMV), and the Association of Reptilian and Amphibian Veterinarians (ARAV). Denver, Colorado. *August 2020*
4. The threat of *Batrachochytrium salamandrivorans* fungus to North American salamanders. **R.J. Ossiboff**. Oral Presentation. 76<sup>th</sup> Annual Northeast Fish and Wildlife Conference. Long Branch, New Jersey. *April 2020*.
  5. Systemic Enterococcosis in brown anoles (*Anolis sagrei*) in Florida. **R.J. Ossiboff**, M. Caudill, A. Childress, V. Guzman-Vargas, K.M. Enge, L. Shender. Oral Presentation. Sixth Annual Wildlife & Aquatic Veterinary Disease Laboratory PALOOZA, Gainesville, Florida. *March 2020*.
  6. Identification of divergent serpentoviruses in free-ranging invasive pythons in southern Florida, United States. S.B. Tillis, M. Miller, J. Josimovich, N. Claunch, I. Bartoszek, J. Humphrey, B. Kluever, R. Reed, C.M. Romagosa, J.F.X. Wellehan Jr., **R.J. Ossiboff**. Oral Presentation. Sixth Annual Wildlife & Aquatic Veterinary Disease Laboratory PALOOZA, Gainesville, Florida. *March 2020*.
  7. Establishing tissue culture cell lines from reptiles. T.D. Logan, T.E. Richards, **R.J. Ossiboff**. Oral Presentation. Sixth Annual Wildlife & Aquatic Veterinary Disease Laboratory PALOOZA, Gainesville, Florida. *March 2020*.
  8. Identification of divergent serpentoviruses in free-ranging invasive pythons in southern Florida, United States. S.B. Tillis, M. Miller, J. Josimovich, N. Claunch, I. Bartoszek, J. Humphrey, B. Kluever, R. Reed, C.M. Romagosa, J.F.X. Wellehan Jr., **R.J. Ossiboff**. Poster. Emerging Pathogens Institute Research Day. Gainesville, FL. February 2020.
  9. Multisystemic *Enterococcus* Infection in Brown Anoles from Florida. M. Caudill, T. Logan, A. Childress, V. Guzman-Vargas, K.M. Enge, L. Shender, **R.J. Ossiboff**. Poster. Emerging Pathogens Institute Research Day. Gainesville, FL. February 2020.
  10. Identification and qPCR test development for a novel mortality-associated *Helicobacter* species in gopher tortoises. T.M. Desiderio, N.I. Stacy, **R.J. Ossiboff**, M. Iredale, L.L. Archer, A.B. Alexander, D.J. Heard, S.E. Crevasse, D.V. Fredholm, K.A. Donnelly, J.F. Rosenberg, A.L. Childress, and J.F.X. Wellehan. Poster. Emerging Pathogens Institute Research Day. Gainesville, FL. February 2020.
  11. First documented case of *Austwickia chelonae* in a wild Gopher Tortoise (*Gopherus polyphemus*): Evidence of positive selection in the diphtheria-like toxin gene. B. Liguori, **R.J. Ossiboff**, E.A. Graham, N. Stacy, A. Childress, R. Turner, A. Alexander, J. Christman, D. Heard, J.F.X. Wellehan. Poster. Emerging Pathogens Institute Research Day. Gainesville, FL. February 2020.
  12. Identification of divergent serpentoviruses in free-ranging invasive pythons in southern Florida, United States. S.B. Tillis, M. Miller, J. Josimovich, N. Claunch, I. Bartoszek, J. Humphrey, B. Kluever, R. Reed, C.M. Romagosa, J.F.X. Wellehan Jr., **R.J. Ossiboff**. Oral Presentation. 9<sup>th</sup> World Congress of Herpetology. Dunedin, New Zealand. January 2020.
  13. Identification of a novel Sunshinevirus in sidewinders (*Crotalus cerastes*) with pneumonia in North America. J. Wellehan, S. Rivera, **R.J. Ossiboff**, R. McManamon, A. Childress. Poster. 9<sup>th</sup> World Congress of Herpetology. Dunedin, New Zealand. January 2020.
  14. *Batrachochytrium salamandrivorans* (Bsal) in the Cuban tree frog (*Osteopilus septentrionalis*). A. Towe, M.J. Gray, E.D. Carter, **R.J. Ossiboff**, K. Ash, M. Bohanon, B.A. Bajo, D.L. Miller. Poster. 9<sup>th</sup> World Congress of Herpetology. Dunedin, New Zealand. January 2020.
  15. Pathology of ophidian serpentovirus infections in snakes. **R.J. Ossiboff**. Platform Presentation. Annual Meeting of the American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology. San Antonio, Texas. 2019
  16. Proliferative respiratory and gastrointestinal strongyloidiasis in a colony of mixed colubrid snakes. E.A. Graham, A. Childress, S.J. Tillis, H. Walden, **R.J. Ossiboff**. Poster. Annual Meeting of the American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology. San Antonio, Texas. 2019
  17. Cerebral xanthomatosis in a Chinese water dragon (*Physignathus concincinus*). E.A. Graham, R.J. Ossiboff. Oral Presentation. Mystery Neuropathology Session. Annual Meeting of the American College of

Veterinary Pathologists and the American Society for Veterinary Clinical Pathology. San Antonio, Texas. 2019

18. Enterococcosis in brown anoles. **R.J. Ossiboff**, A. Childress, V. Guzman-Vargas, K.M. Enge, L. Shender. Oral Presentation. C.L. Davis Zoo and Wildlife Pathology Workshop. American Association of Zoo Veterinarians. St. Louis, Missouri. 2019.
19. Gastric and intestinal cryptosporidiosis in a Brook's king snake. Z. Mack, A. Childress, **R.J. Ossiboff**. Oral Presentation. C.L. Davis Zoo and Wildlife Pathology Workshop. American Association of Zoo Veterinarians. St. Louis, Missouri. 2019.
20. Establishing Tissue Culture Cell Lines from Reptiles and Amphibians. **R.J. Ossiboff**, T.D. Logan, T.E. Richards. Oral Presentation. American Association of Zoo Veterinarians. St. Louis, Missouri. 2019.
21. Ophidian nidoviruses: What we know, what we don't, and what we are figuring out. **R.J. Ossiboff**. Master Class. ExoticsCon: Joint Conference of the Association of Avian Veterinarians (AAV), the Association of Exotic Mammal Veterinarians (AEMV), and the Association of Reptilian and Amphibian Veterinarians (ARAV). St. Louis, Missouri. 2019.
22. Identification of a novel *Actinomyces* sp. in granulomatous cloacal and hemipenial inflammation in captive male ball pythons (*Python regius*). **R.J. Ossiboff**, S.B. Tillis, M.E. Iredale, A.L. Childress, J.F.X. Wellehan, and R. Isaza. Oral Presentation. ExoticsCon: Joint Conference of the Association of Avian Veterinarians (AAV), the Association of Exotic Mammal Veterinarians (AEMV), and the Association of Reptilian and Amphibian Veterinarians (ARAV). St. Louis, Missouri. 2019.
23. Don't poke the dragon: Tail base aneurysm in an inland bearded dragon (*Pogona vitticeps*). N. Furst, A.B. Alexander, R. Turner, **R.J. Ossiboff**, S. Swift, P. Regier, E. Porter, R. Giglio, L. Charles, and J.F.X. Wellehan. Oral Presentation. ExoticsCon: Joint Conference of the Association of Avian Veterinarians (AAV), the Association of Exotic Mammal Veterinarians (AEMV), and the Association of Reptilian and Amphibian Veterinarians (ARAV). St. Louis, Missouri. 2019.
24. Establishing Tissue Culture Cell Lines from Reptiles and Amphibians. T.D. Logan, T.E. Richards, **R.J. Ossiboff**. Oral Presentation. Wildlife Disease Association. Tahoe City, California. 2019.
25. Characterization of a novel bunyavirus isolated from moribund farmed and free-ranging freshwater turtles in Florida. T.B. Waltzek, B.A. Stacy, **R.J. Ossiboff**, N.I. Stacy, W.A. Fraser, A. Yan, S. Mohan, T. Rodrigues, K. Subramaniam, V. Guzman-Vargas, L.A. Shender. Oral Presentation. Wildlife Disease Association. Tahoe City, California. 2019.
26. Distribution and pathology of a freshwater turtle mortality event in Florida caused by a novel bunyavirus. L.A. Shender, V. Guzman-Vargas, B.A. Stacy, **R.J. Ossiboff**, N.I. Stacy, K. Subramaniam, T. Rodrigues, W. Fraser, A. Yan, S. Mohan, T.B. Waltzek. Oral Presentation. Wildlife Disease Association. Tahoe City, California. 2019.
27. Rapid Geographic Spread of Invasive Pentastome Parasites in Pygmy Rattlesnakes (*Sistrurus miliarius*) Indicates an Emerging Conservation Threat to North American Snakes. T.M. Farrell, M.N. Wheeler, J. Agugliaro, **R.J. Ossiboff**, E.A. Graham, H.D.S. Walden, J.F.X. Wellehan, and C.M. Lind. Oral Presentation. Joint Meeting of Ichthyologists and Herpetologists. Snowbird, Utah. 2019.
28. Rapid Geographic Spread of Invasive Pentastome Parasites in Pygmy Rattlesnakes (*Sistrurus miliarius*) Indicates an Emerging Conservation Threat to North American Pitvipers. T.M. Farrell, M.N. Wheeler, J. Agugliaro, **R.J. Ossiboff**, E.A. Graham, H.D.S. Walden, J.F.X. Wellehan, and C.M. Lind. Poster. Biology of Pitvipers Conference. Rodeo, New Mexico. 2019.
29. Mortality associated with severe necrotizing intestinal amoebiasis in captive-housed Cranwell's horned frogs (*Ceratophrys cranwelli*). T.C. Weisbrod, A.B. Jeon, D.B. Pouder, N.I. Stacy, H.S. Walden, S.F. Frasca Jr., R.P.E. Yanong, and **R.J. Ossiboff**. Oral Presentation. International Association for Aquatic Animal Medicine Annual Conference. Durban, South Africa. 2019.
30. Cerebral xanthomatosis in a Chinese water dragon. E.A. Graham, and **R.J. Ossiboff**. Oral Presentation. Southeastern Veterinary Pathology Conference. Tifton, Georgia. 2019.

31. Urinary oligochaetosis in a harlequin poison frog. M.E. Iredale, H.S. Walden, L.L. Farina, A. Pessier, **R.J. Ossiboff**. Oral Presentation. Southeastern Veterinary Pathology Conference. Tifton, Georgia. 2019.
32. Protothecosis in a poodle mix dog. A.B. Jeon, S. Frasca Jr., R.J. Ossiboff, K. Whipple, M. Leissinger, B. Sabatino, J. Wellehan, and V. Popov. Oral Presentation. Southeastern Veterinary Pathology Conference. Tifton, Georgia. 2019.
33. Gastric and intestinal cryptosporidiosis in a Brook's king snake. **R.J. Ossiboff** and A. Childress. Oral Presentation. Southeastern Veterinary Pathology Conference. Tifton, Georgia. 2019.
34. Identification of a novel *Actinomyces* sp. in granulomatous cloacal and hemipenial inflammation in captive male ball pythons (*Python regius*). S.B. Tillis, M.E. Iredale, A.L. Childress, J.F.X. Wellehan, R. Isaza, **R.J. Ossiboff**. Poster. Emerging Pathogens Institute Research Day. Gainesville, FL. 2019.
35. Establishing Tissue Culture Cell Lines from Reptiles and Amphibians. T.D. Logan, T.E. Richards, **R.J. Ossiboff**. Poster. Emerging Pathogens Institute Research Day. Gainesville, FL. 2019.
36. Pentastomiasis in Captive Juvenile American Alligators. E.A. Graham, J. Steventon, J. Wawra, C. Keller, A. Childress, J.F.X. Wellehan, H. Walden, S. Frasca, Jr., **R.J. Ossiboff**. American College of Veterinary Pathologists (ACVP) Annual Conference. Poster. Washington, District of Columbia. 2018.
37. An epidemiologic investigation of ophidian nidoviruses in captive snakes. L.L. Hoon-Hanks, P. Bartolini, S.B. Fogelson, S.M. Perry, **R.J. Ossiboff**, E.J. Dubovi, J.F.X. Wellehan, M.D. Stenglein. American College of Veterinary Pathologists (ACVP) Annual Conference. Poster. Washington, District of Columbia. 2018.
38. Metastatic Sarcoma and Acquired Portosystemic shunts in a Water Moccasin (*Agkistrodon piscivorus*). L.N. Charles, **R.J. Ossiboff**, and L.L. Farina. American College of Veterinary Pathologists (ACVP) Annual Conference. Poster. Washington, District of Columbia. 2018.
39. Establishing Amphibian and Reptile Tissue Culture Cell Lines to Improve Disease Diagnostics. **R.J. Ossiboff**. ExoticsCon: Joint Conference of the Association of Avian Veterinarians (AAV), the Association of Exotic Mammal Veterinarians (AEMV), and the Association of Reptilian and Amphibian Veterinarians (ARAV). Poster. Atlanta, Georgia. 2018.
40. Correlating pathology and clinical disease in amphibians. Master Class. **R.J. Ossiboff**. ExoticsCon: Joint Conference of the Association of Avian Veterinarians (AAV), the Association of Exotic Mammal Veterinarians (AEMV), and the Association of Reptilian and Amphibian Veterinarians (ARAV). Atlanta, Georgia. 2018.
41. Chytridiomycosis causes microbial community shifts in eastern hellbender salamanders (*Cryptobranchus alleganiensis alleganiensis*). B. Gratwicke, A.M. Wetterau, **R.J. Ossiboff**, E.M. Bunting. Wildlife Disease Association (WDA) Conference, St. Augustine, Florida. 2018.
42. Pentastomiasis in American Alligators: pathology and potential new intermediate hosts. H.S. Walden, E.A. Graham, **R.J. Ossiboff**, S. Frasca Jr., J. Steventon, J. Wawra, C. Keller. American Association of Veterinary Parasitologists (AAVP) Conference, Denver, Colorado. 2018.
43. Health screening of Burmese star tortoises (*Geochelone platynota*) prior to reintroduction to the wild. S. Macey, B.L. Raphael, K. Platt, S.G. Platt, T. Seimon, **R.J. Ossiboff**, A. Gamarra, M. Barrera, B.D. Horne. North American Congress for Conservation Biology (NACCB) Conference, Toronto, Ontario, Canada. 2018.
44. An epidemiologic investigation of snake nidoviruses. L. L. Hoon-Hanks, P. Bartolini, S.B. Fogelson, S.M. Perry, **R.J. Ossiboff**, E.J. Dubovi, M.D. Stenglein. American Society for Virology (ASV) Conference, College Park, Maryland. 2018.
45. Differentiating amphibian Batrachochytrium infections using RNAScope In Situ Hybridization (ISH). **R.J. Ossiboff**, A.V. Longo, S. Frasca Jr. Fourth Annual Wildlife & Aquatic Veterinary Disease Laboratory PALOOZA, Gainesville, Florida. 2018
46. Experimental python nidovirus infection. M.D. Stenglein, M.L. Layton, **R.J. Ossiboff**, E.J. Dubovi, L.L. Hoon-Hanks. American Society for Virology (ASV) Conference, Madison, Wisconsin. 2017.



47. Experimental infection of ball pythons (*Python regius*) with ball python nidovirus. M.D. Stenglein, M.L. Layton, **R.J. Ossiboff**, E.J. Dubovi, L.L. Hoon-Hanks. International Nidovirus Symposium. Kansas City, MO. 2017.
48. Chelonian Disease and Conservation. Special Session. Moderator and organizer. Wildlife Disease Association, Cortland, NY. 2016.
49. Bacterial enteritis and necrotizing steatitis in a Cuvier's dwarf caiman (*Paleosuchus palpebrosus*). **R.J. Ossiboff**, A. Newton. Northeast Veterinary Pathology Conference, Ithaca, NY. 2013.
50. Biliary coccidiosis in an adult domestic ferret (*Mustela putorius furo*). **R.J. Ossiboff**, R. de Matos, T. Seimon, E. Buckles. American Association of Zoo Veterinarians/CL Davis Zoo and Wildlife Pathology Workshop, Oakland, CA. 2012.
51. Hypovitaminosis A in captive bred Strawberry dart frogs (*Oophaga pumilio*). **R.J. Ossiboff**, A. Pessier. American Association of Zoo Veterinarians/CL Davis Zoo and Wildlife Pathology Workshop, Kansas City, MO. 2011.
52. Stomatitis, esophagitis, tracheitis and proliferative pneumonia in a Ball Python (*Python regius*). **R.J. Ossiboff**. Northeast Veterinary Pathology Conference, North Grafton, MA. 2011.
53. Generalized AA-amyloidosis in a Siberian tiger (*Panthera tigris altaica*). **R.J. Ossiboff**. Northeast Veterinary Pathology Conference, North Grafton, MA. 2010.
54. Characterization of feline calicivirus mutants resistant to neutralization by soluble receptor. **R.J. Ossiboff**, Y. Zhou, B.V.V. Prasad, J.S.L. Parker. American Society for Virology (ASV) Conference, Ithaca, New York. 2008.
55. Identification of Regions and Residues in Feline Junctional Adhesion Molecule (fJAM-A) Required for Feline Calicivirus (FCV) Binding and Infection. **R.J. Ossiboff**, J.S.L. Parker. 3rd International Calicivirus Conference, Cancun, Mexico. 2007.
56. The amino terminal D1 domain of feline junctional adhesion molecule A (fJAM-A) is necessary and sufficient for the binding of feline calicivirus (FCV). **R.J. Ossiboff**, J.S.L. Parker. American Society for Virology (ASV) Conference, Corvallis, Oregon. 2007.
57. The determinants of Feline calicivirus (FCV) binding and infection within feline junctional adhesion molecule A (fJAM-A). *Poster*. **R.J. Ossiboff**, J.S.L. Parker. Gordon Research Conference - Viruses and Cells, Tilton, New Hampshire, 2007.
58. Characterization of the in vitro growth kinetics and stability of Feline Calicivirus isolates. **R.J. Ossiboff**, J.S.L. Parker. American Society for Virology (ASV) Conference, Madison, Wisconsin. 2006.
59. Characterization of the in vitro growth kinetics and stability of Feline Calicivirus isolates. *Poster*. **R.J. Ossiboff**, J.S.L. Parker. Infection and Pathobiology Retreat, Department of Microbiology and Immunology, Cornell University, Canandaigua, New York, 2006.
60. Feline calicivirus interactions with a functional receptor, fJAM-A. **R.J. Ossiboff**, J.S.L. Parker. Cornell University Baker Institute for Animal Health Seminar Series, Ithaca, New York. 2006.
61. Characterization of *in vitro* differences between high and low virulence isolates of feline calicivirus. **R.J. Ossiboff**, A. Sheh, C. Nelson, J.S.L. Parker. American Society for Virology (ASV) Conference, State College, Pennsylvania. 2005.
62. Characterization of *in vitro* differences between high and low virulence isolates of feline calicivirus. **R.J. Ossiboff**, A. Sheh, C. Nelson, J.S.L. Parker. Cornell University Baker Institute for Animal Health Seminar Series, Ithaca, New York. 2005.

## IX. INVITED PRESENTATIONS

1. Wildlife Pathology – Reptiles and Amphibians. CL Davis Foundation Workshop. AAVLD/USAHA Annual Meeting. Nashville, Tennessee. *October 2020*.

2. Amphibian Pathology. Nontraditional Species and Pathology Club Speaker. University of Illinois Urbana-Champaign. February 2020.
3. Wildlife Disease Investigations as a veterinarian in academia. Wildlife Ecology & Conservation Colloquium, WIS 2920. University of Florida. 2019.
4. Diseases of Reptiles and Amphibians. Principles of Fish & Wildlife Disease. Undergraduate Course. Michigan State University. 2019.
5. Reptile and amphibian diseases of Eastern North America. Northeast Wildlife Disease Cooperative, University of Pennsylvania. Webinar. 2019.
6. Diseases of herpetofauna in Florida: Bridging the captive and free-ranging gap. Fifth Annual Wildlife & Aquatic Veterinary Disease Laboratory PALOOZA, Gainesville, Florida. 2019.
7. Reptile Pathology. Nontraditional Species and Pathology Club Speaker. University of Illinois Urbana-Champaign. 2019.
8. Advancing Herpetofaunal Disease Diagnostics and Characterization. Department of Wildlife Ecology and Conservation Seminar Series. University of Florida. 2019.
9. Clinical Implications of Amphibian Skin Disease. Referring Veterinarian Appreciation Day. University of Florida. Gainesville, Florida. 2018.
10. The Amphibian Crisis: The role of skin in amphibian physiology, extinction, and conservation. Second Annual Aquatic Animal Health Symposium, Gainesville, Florida. 2018.
11. Improving animal, human and global health as a veterinary pathologist. Loyola University Chicago University Intro to Health Care Professions Seminar (UNIV 102-041), Chicago, Illinois. 2017.
12. Amphibian Diseases 101: A primer on amphibian anatomy, disease and pathology. World Aquatic Veterinary Medicine Association. Webinar. 2017.
13. Veterinary Medicine, Pathology and Conservation. Egg Harbor Township High School Biology Students. Egg Harbor, NJ. 2016.
14. Amphibian chytridiomycosis. Wildlife, Aquatics, Zoo, Exotics Symposium. Tufts University. November 2015
15. Chytridiomycosis and Amphibian Declines and Conservation. Student Zoo and Aquatic Wildlife Society. Cornell University. 2015.
16. Understanding the prevalence and clinical significance of pathogens in turtles of the northeastern United States. New York State Wildlife Rehabilitator's Conference, Binghamton, NY. 2014.
17. Feline Calicivirus: A link between virus-receptor interactions and virulence? University of Connecticut. Pathobiology Seminar Series. 2013.
18. Clinical and pathologic features of common amphibian diseases. Special Species Symposium. Cornell University. 2013.
19. The Amphibian Crisis: The role of skin in the physiology, extinction and conservation of frogs. Student Zoo and Aquatic Wildlife Society. Cornell University. 2012.
20. Wildlife Necropsy (Wet Lab). Special Species Symposium. Cornell University. 2011.

## **X. DIDACTIC TEACHING EXPERIENCE**

1. AQUAVET I (Introduction to Aquatic Veterinary Medicine) and AQUAVET II (Comparative Pathology of Aquatic Animals). Summer 2018-2020.
2. Non-Avian Reptile Medicine and Surgery (VEM 5370). University of Florida. 3 lectures. Spring 2018-2020
3. Herpetology (ZOO 4926). University of Florida. 1 lecture. Spring 2019.
4. General Pathology (VEM5161). University of Florida. 8 lectures, 2 labs. Fall 2018-2019.
5. Wildlife and Disease (WIS 4934). University of Florida. 2 lectures. Fall 2017 and 2019

6. Reptile Medicine and Surgery (VCM 678). University of Illinois Urbana-Champaign. 5 lectures. Spring 2017
7. Cornell University Summer College for High School Students. Course in Conservation Medicine. 2 lectures. July 2011, 2015, and 2016.
8. Northeast Wildlife Disease Cooperative. Regional training wildlife disease workshops for state biologists (MA, NJ, DE). 2015.
9. Anatomy and Histology of Fish (VTMED 6120). Cornell University College of Veterinary Medicine. 1 lecture, 1 lab. 2015.
10. Fish Health Management (VTMED 6432). Cornell University College of Veterinary Medicine. 1 lecture. 2015.
11. The Biology of Animal and Plant Viruses (VetMI700). Cornell University College of Veterinary Medicine, Department of Microbiology and Immunology. 1 lecture. 2007.

## **XI. MENTOR/TRAINING EXPERIENCE**

1. University of Florida. Tatiana Weisbrod. Masters Committee. Department of Comparative, Diagnostic, and Population Medicine. College of Veterinary Medicine. 2019-*present*
2. University of Florida. Tracey D. Logan. Committee Chair/Advisor. Masters of Science. School of Natural Resources and Environment. 2018-*present*
3. University of Florida. Steven B. Tillis. Committee Chair/Advisor. Doctor of Philosophy. Department of Comparative, Diagnostic, and Population Medicine. College of Veterinary Medicine. 2018-*present*
4. University of Florida. Preeyanan Sriwanayos – PhD Committee. Department of Infectious Diseases and Immunology. College of Veterinary Medicine. 2018-*present*
5. University of Florida. Marcel Talla Kouete. PhD committee, School of Natural Resources and Environment. 2017-*present*
6. University of Florida. Jane Christman – Resident Research Project. Leopard Gecko Iridophoroma characterization. 2017-*present*
7. University of Florida. Chani Rue. Veterinary Student. Mentor Florida Veterinary Scholars Program. Summer 2019.
8. University of Florida. Samantha Johnson. Veterinary Student. Co-Mentor Florida Veterinary Scholars Program. Summer 2019.
9. University of Florida. Tesla E. Richards. Veterinary Student. Mentor Florida Veterinary Scholars Program. Summer 2018.
10. University of Florida. Anatomic Pathology Residents. 2017-*present*. One-on-one training of 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> year anatomic pathology residents through case material, seminar presentation, and didactic rounds.
  - a. Participated in pre-existing rounds, including Gross Rounds and Mystery Slide rounds
  - b. Instituted new optional slide rounds focusing on increasing resident exposure to case material and highlighting diagnostic criteria in a rapid fashion to prepare residents for high volume diagnostic scenarios and for board preparation
  - c. Resident Research Project Mentor for: Erin Graham, Marley Iredale
11. Northwestern University. Jess Lovstad. Independent research project advisor. Oral Neoplasia in smooth green snakes. 2016-2017
12. University of Illinois Urbana-Champaign. Dana Lindemann. Masters Student Advisory Committee. Blanding's turtle herpesvirus. 2016-2017
13. University of Illinois Urbana-Champaign Zoo Pathology Program. Anatomic Pathology Residents. 2016-2017. One-on-one training of 2<sup>nd</sup> and 3<sup>rd</sup> year anatomic pathology residents through case material and seminar presentation.
14. Cornell University. 2015. Mentor for Masters of Science candidate from State University of New York College of Environmental Science and Forestry on quantitative PCR for amphibian ranavirus.

15. Cornell University. Anatomic Pathology Residents. 2012-2016. Participate in resident training through the presentation of seminars (see below), exotic/wildlife case consults, or while on necropsy as Duty Pathologist.
  - a. Training seminars:
    - i. Introduction to Necropsy in Exotic and Wildlife species for new resident orientation. Fall 2015
    - ii. Tuesday Morning Seminar. Weekly Mystery Slide Conference for residents. Focus on cases of exotic/zoo species.
  - b. Zoo/Exotic Wildlife Pathology Rounds. Helped organize seminar series for 2014/2015 and presented all or portions of rounds in the Fall of 2014 and the Spring of 2015
  - c. Ocular Pathology Rounds. Presented portion of seminar on ocular anatomy of exotic animals. Spring 2015
  - d. Tumor Board Rounds. Presented lecture on Neoplasia in Zoo/Wildlife Species. Fall 2014
16. Wildlife Conservation Society. Undergraduate Summer Students. 2012 and 2013.
  - a. Trained a single undergraduate student each of two summers the basics of molecular diagnostics and PCR.
17. Histopathology slide rounds. Student Pathology Club. 2011-2012.
18. Clinical Anatomic Pathology Rotations. Cornell University College of Veterinary Medicine. 2010-2012. Teach 4<sup>th</sup> year veterinary students during clinical anatomic pathology rotations and underclassmen during regular labs on animal physiology, immunology, infectious disease and histology.
19. Learning Module (Virology). Cornell University College of Veterinary Medicine. Host, Agent and Defense (Block IV). 2006. Laboratory Assistant.
20. Cornell University. 2005-2008. Mentor for Leadership Program for Veterinary Students for each of the summers from 2005-2008.
21. Cornell University. 2005-2008. Mentor for Cornell undergraduate and veterinary students interested in calicivirus research in the lab of Dr. John Parker.

## XII. ACTIVE RESEARCH PROJECTS AND COLLABORATIONS

Project Title	Role	Trainees	Collaborating Institutions
Ophidian Serpentoviruses in free-ranging snakes in Florida	PI	Steven Tillis, <i>PhD Student</i>	Colorado State University, Florida Fish and Wildlife Commission, United States Geological Survey, USDA/APHIS National Wildlife Research Center
In vitro characterization of ophidian serpentoviruses	PI	Steven Tillis, <i>PhD Student</i> Chani Rue, <i>Vet Student</i> Ashton Boon, <i>Vet Student</i>	Colorado State University, Cornell University
Role of Blastocystis in Tortoise Enterocolitis	PI	Bryce Miller, <i>Anatomic Pathology Resident</i>	Northwest ZooPath
Characterization of a novel virus associated with respiratory disease in blue-tongued skinks	PI	Marley Iredale, <i>Anatomic Pathology Resident</i>	N/A

Characterization of a novel <i>Strongyloides</i> sp causing clinical disease in colubrid snakes	PI	Erin Graham, <i>Anatomic Pathology Resident</i> Steven Tillis, <i>PhD Student</i> Erik Los Kamp, <i>Vet Student</i>	N/A
Entamoeba infections in anurans	PI	Tatiana Weisbrod, <i>Masters Student</i> Albert Jeon, <i>Anatomic Pathology Resident</i>	Northwest ZooPath
Actinomycosis in ball pythons	PI	Steven Tillis, <i>PhD Student</i> Erin Graham, <i>Anatomic Pathology Resident</i> Marley Iredale, <i>Anatomic Pathology Resident</i>	N/A
Establishing reptile cell lines in tissue culture	PI	Tracey Logan, <i>Masters Student</i>	N/A
Systemic Enterococcosis in free ranging Anoles in Florida	PI	Megan Caudill, <i>Anatomic Pathology Resident</i>	Florida Fish and Wildlife Commission
Pentastomiasis in captive alligators	PI	Erin Graham, <i>Anatomic Pathology Resident</i>	Tennessee Aquarium
Monocercomoniasis in bearded dragons	PI	Hillary Allgood, <i>Veterinary Intern</i>	N/A
Oligochaetosis in Anurans	PI	Marley Iredale, <i>Anatomic Pathology Resident</i>	Washington State University
Characterizing a novel disease manifestation of <i>Mycoplasma alligatoris</i> infections in captive alligators	PI	Megan Caudill, <i>Anatomic Pathology Resident</i>	Saint Augustine Alligator Farm
Characterizing the significance on the invasive pentastome parasite, <i>Raillietiella orientalis</i> , on native reptiles in Florida	Co-PI	Erin Graham, <i>Anatomic Pathology Resident</i>	Stetson University

Identifying novel <i>Mycoplasma</i> species of reptiles	Co-PI	Samantha Johnson, <i>Veterinary Student</i>	N/A
<i>Batrachochytrium salamandrivorans</i> as a cause of disease in frogs	Co-PI	Ana Stowe, <i>Veterinary Student</i>	University of Tennessee
An inherited neoplasia of Leopard Geckos: an animal model of melanoma	Co-PI	N/A	George Mason University, University of Buffalo
<i>Batrachochytrium dendrobatidis</i> as a cause of mortality in Lake Oku Frogs in Cameroon	Co-PI	Marcel Talla Kouete, <i>PhD Student</i>	N/A
The role of bacteria in Bsal chytridiomycosis in salamanders	Co-PI	Wesley Siniard, <i>Anatomic Pathology Resident</i>	University of Tennessee
Temperature dependent sex determination gene expression changes in embryonic American Alligator cells in vitro	Co-PI	Samantha Bock, <i>PhD Student</i>	University of Georgia Savannah River Ecology Laboratory
Vaccination of Eastern Hellbenders for chytridiomycosis: evaluation of gene expression and microbiome alterations	Co-PI	Alyssa Kaganer, <i>PhD Student</i>	Cornell University, Smithsonian Institute
Characterization of a novel bunyavirus as a cause of disease in free-ranging turtles in the Southeastern United States	Co-Investigator	N/A	Florida Fish and Wildlife Commission
Characterizing Tiger Frog Virus infections in anurans and teleosts	Co-Investigator	Preeyanan Sriwanayos, <i>PhD Student</i>	N/A

### XIII. UNIVERSITY SERVICE

1. University of Florida Veterinary Hospital Research Review Committee. 2019-*current*.
2. Search committee. Medical Scientist IV. University of Florida. 2019.
3. Search committee. Tenure Track Position in Anatomic Pathology. University of Florida. 2019.
4. Search committee. Clinical Instructor in Anatomic Pathology. University of Florida/Disney. 2017-2018.
5. Search Committee. Anatomic Pathologist. University of Illinois Urbana-Champaign Veterinary Diagnostic Lab. 2016-2017

### XIV. INVITED REFEREE

1. Viruses - 2020
2. Journal of Fish Diseases - 2020
3. Journal of Wildlife Diseases – 2014-*present*
4. Journal of Zoo and Wildlife Medicine – 2013-*present*
5. Diseases of Aquatic Organisms – 2019-*present*



6. Journal of Veterinary Diagnostic Investigation – 2016-2019
7. The Field Research for Conservation Program. Saint Louis Zoo. WildCare Institute – 2014, 2015, 2019
8. Veterinary Microbiology – 2015-2016; 2019
9. Journal of Herpetological Medicine and Surgery – 2019
10. Herpetologic Review – 2019
11. Veterinary Record – 2019
12. Cytokine - 2018
13. Veterinary Clinical Pathology – 2016-2018
14. Journal of Aquatic Animal Health – 2017-2018
15. The Veterinary Journal - 2016

## **XV. JOURNAL/ASSOCIATION/MISCELLANEOUS COMMITTEE SERVICE**

1. Partners for Amphibian and Reptile Conservation Disease Task Team. 2019-*present*
2. United States Geological Survey. Wetland and Aquatic Research Center. IACUC Veterinary Consultant – 2018-*present*
3. Association of Amphibian and Reptile Veterinarians Infectious Disease Committee. 2018-*present*
4. *Batrachochytrium salamandrivorans* National Disease Research Working Group. 2017-*present*
5. *Batrachochytrium salamandrivorans* National Disease Diagnostics Working Group. 2016-*present*
6. Veterinary Experimental and Diagnostic Pathology. Associate Editor. 2016-*present*
7. Wildlife Disease Association. Annual Conference. Workshop Committee Co-Chair. 2016

## **XVI. ACTIVE PROFESSIONAL ASSOCIATION MEMBERSHIPS**

1. American College of Veterinary Pathologists
2. Association of Amphibian and Reptile Veterinarians
3. Wildlife Disease Association
4. American Society of Virology

## **XVII. HONORS AND AWARDS**

1. C.L. Davis Foundation Student Scholarship Award – 2012  
Awarded to a resident or graduate student of an Institutional Member who has displayed superior scholarship, leadership and/or research ability and diagnostic skills.
2. Cornell University Phi Zeta manuscript competition - Basic Science category – 2011  
Awarded by the Cornell University chapter of Phi Zeta, the honor society of Veterinary Medicine, to the top basic science veterinary research publication for the publication “Conformational Changes in the Capsid of a Calicivirus upon Interaction with its Functional Receptor”
3. Jacob Traum Award – 2010  
Awarded to a 4<sup>th</sup> year veterinary student at Cornell University who is judged by the Department of Microbiology and Immunology as having exhibited superior interest and accomplishment in bacteriology, epizootiology, pathology, and virology, including an aptitude for and expressed interest in research on infectious diseases.
4. Phi Zeta Honor Society of Veterinary Medicine – 2010  
Inducted into the Phi Zeta Honor Society of Veterinary Medicine, based on the selection criteria of scholastic rank, moral character, and ideals regarding professional service and conduct.
5. Anna Olafson Sussex Pathology Award – 2009  
Award given to a 3<sup>rd</sup> year veterinary student at Cornell University who has done outstanding work in pathology per the recommendations of faculty actively engaged in teaching

6. Cornell Veterinary Investigator Program – 2005  
Selected as a participant for the Cornell Veterinary Investigator Program, a program for first- and second-year veterinary students providing a focused experience in biomedical research
7. Integrative Biology Prize – 2004  
Award given for exceptional achievements in integrative biology for research performed during the Leadership Program for Veterinary Students at Cornell University
8. Leadership Program for Veterinary Students – 2004  
Selected as a participant for the Leadership Program for Veterinary Students at Cornell University, a program for veterinary students who seek to broadly influence the veterinary profession through a science-based career.