

2024 Linda F. Hayward Florida Veterinary Scholars Program Faculty Application

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| Name | Robert Ossiboff |
| Email address | rossiboff@ufl.edu |
| Proposed project title | Emerging viruses of reptiles |
| Will you provide matching student stipend funding (\$3250)? | Yes |
| Source of project/research funding | Personal research funds (ZMDx Laboratory) |

Prior student research mentees (last 5 years, if applicable):

| CLASS | STUDENT | PROJECT TITLE | STATUS |
|-------|----------------|---|--|
| 2023 | Kayla Roberts | Reptile blastocystis | Additional data being generated/draft in |
| 2023 | Brianna Krebs | Reptile monocercomoniasis | Manuscript in prep |
| 2023 | Laura Roldan | Caudate cryptosporidiosis | Manuscript in prep |
| 2020 | Ashton Boon | Reptile serpentovirus | Published |
| 2019 | Erik Los Kamp | Snake strongyloidiasis | Published |
| 2019 | Chani Rue | Serpentovirus in vitro characterization | Completed |
| 2018 | Tesla Richards | Reptile cell line establishment | Manuscript in prep |

If project qualifies for Morris Animal Foundation Student Scholarship Funding and you have identified a specific interested student, please provide their name and email address

| LAST NAME | FIRST NAME | EMAIL ADDRESS |
|-----------|------------|---------------|
| | | |

I agree to obtaining all necessary approvals (e.g. IACUC/IRB/EH&S/VHRRRC – see below for specifics) to conduct the project with the student PRIOR to the commencement of the summer program, as well as submitting documentation of these approvals to the FVSP board by 5/11/2024

YES/NO

I agree to assisting my student prepare for the summer program during the Spring semester, which will include preparation of a study outline, and training in relevant laboratory techniques

YES/NO

I agree to plan for commencing the experiment/data collection by the beginning of the summer program (5/22/24)

YES/NO

I agree to be available to the student throughout the summer to assist with the experiment/data collection, preparation of the manuscript and poster.

YES/NO

| | Needed (Yes/No) | Approval by 5/11/24 (Yes/No)? |
|-------------------------------|--------------------|----------------------------------|
| IACUC Approval and Training | No | |
| IRB Registration and Training | No | |
| Biological Agent Registration | No | |
| Biopath Registration | No | |
| Veterinary Hospital Research | No | |
| FERPA Training | No | |
| Biohazardous Waste Training | Yes (6-pack lab) | |
| Laboratory Safety Training | Yes (6-pack lab) | |

Abstract of proposed student project (1 page limit. This should mirror the aims page of a grant and CLEARLY indicate the student's role.)

The understanding of viruses and the diseases they cause in non-domestic species, and particularly “lower” vertebrates such as reptiles, amphibians, bony fishes, and chondrichthyes, is weak compared to such pathogens in domestic mammals, laboratory animals, or humans. However, some of the most important emerging diseases in non-domestic species are caused by viruses. In our lab, we are constantly identifying and characterizing novel and/or emerging viral diseases of reptiles and amphibians. Most recently, two potentially significant viruses have been discovered: i) piscichuviruses in free-ranging crocodilians and chelonians in Florida, and ii) picorna-like viruses in captive snakes. Both of these viruses are associated with inflammation and degeneration in the central nervous system. However, the fundamental biology of these viruses, including reservoir hosts, in vitro growth properties and host range, and prevalence in subclinical hosts, is unknown. Using reagents previously generated by Dr. Ossiboff's research lab, including cell lines, as well as nucleic acid extracts and detection protocols generated in the Zoological Medicine Diagnostic Laboratory, the student will work during the summer of 2024 to answer some of the basic questions regarding these viruses, under the direct supervision of Dr. Ossiboff and alongside other lab trainees.

BIOGRAPHICAL SKETCH

Robert J. Ossiboff

Department of Comparative, Diagnostic, and Population Medicine
College of Veterinary Medicine
University of Florida
352-294-8912; rossiboff@ufl.edu

EDUCATION/TRAINING

| INSTITUTION AND LOCATION | DEGREE (if applicable) | Completion Date MM/YYYY | FIELD OF STUDY |
|---|---------------------------|----------------------------|--|
| Loyola University Chicago, Chicago, Illinois, USA | B.S. | 05/2003 | Biology |
| Cornell University, Ithaca, NY, USA | Ph.D. | 01/2009 | Comparative Biomedical Sciences |
| Cornell University, Ithaca, NY, USA | D.V.M. | 05/2010 | Veterinary Medicine |
| Cornell University, Ithaca, NY, USA and Wildlife Conservation Society, Bronx, NY, USA | Diplomate, ACVP | 09/2013 | Residency, Anatomic Pathology |
| Wildlife Conservation Society, Bronx, NY, USA | | 09/2014 | Molecular Pathology Fellowship |
| Cornell University, Ithaca, NY, USA | | 06/2016 | Wildlife Pathology Postdoctoral Associate |

RESEARCH/PROFESSIONAL EXPERIENCE

| INSTITUTION AND LOCATION | TITLE | FROM - TO |
|---|------------------------------|----------------|
| College of Veterinary Medicine, University of Florida, Gainesville, FL, USA | Clinical Associate Professor | 2022 - current |
| College of Veterinary Medicine, University of Florida, Gainesville, FL, USA | Clinical Assistant Professor | 2017 - 2022 |
| Zoological Pathology Program, Veterinary Diagnostic Laboratory, University of Illinois at Urbana-Champaign, Brookfield, IL, USA | Clinical Assistant Professor | 2016 - 2017 |

PERSONAL STATEMENT

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 and the interface of animal disease and human health. 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.

SYNERGISTIC ACTIVITIES

- Primary-, co-, or senior author on 68 peer-reviewed conference abstracts since 2020, including presentations at national and international conferences for the World Congress of Herpetology, American Society for Virology, Wildlife Disease Association, American Association of Zoo Veterinarians, The Wildlife Society, Joint Meeting of Ichthyologists and Herpetologists, and the American College of Veterinary Pathologists

- Invited to give lectures to veterinary colleges, pathology foundations, and wildlife and veterinary medicine symposia 16 times over the last three years, with nearly all invitations focused around diseases of reptiles and amphibians
- Associate Editor (2 journals) or invited reviewer (22 journals) based on my demonstrated expertise in diseases of reptiles and amphibians

PUBLICATIONS (LAST FOUR YEARS)

1. Gray, M.J., **R.J. Ossiboff**, L. Berger, M.C. Bletz, E.D. Carter, J.A. DeMarchi, L. Grayfer, D. Lesbarrères, D.A. Malagon, A. Martel, D.L. Miller, F. Pasmans, L.F. Skerratt, A.E. Towe, M.Q. Wilber. 2023. A One Health Approach to Globalizing, Accelerating, and Focusing Amphibian and Reptile Disease Research – Reflections and Opinions from the First Global Amphibian and Reptile Disease Conference. *Emerg Infect Dis*. *Accepted*.
2. Boon, M.A., M.E. Iredale, S.B. Tillis, **R.J. Ossiboff**. 2023. Ophidian Serpentoviruses: A Review and Perspective. *J Herp Med Surg*. *Accepted*
3. Graham, E.A., E.W. Los Kamp, N.M. Thompson, S.B. Tillis, A.L. Childress, J.F.X. Wellehan, H.D.S. Walden, **R.J. Ossiboff**. 2023. Proliferative strongyloidiasis in a colony of colubrid snakes. *Vet Pathol*. Jul 17;3009858231186391; [doi:10.1177/03009858231186391](https://doi.org/10.1177/03009858231186391)
4. Weldon, P., T. Georoff, N. Hall, **R.J. Ossiboff**, A. Childress, J.F.X. Wellehan. 2023. A novel herpesvirus from a wild-caught Madagascar spider tortoise (*Pyxis arachnoides*) shows evidence of host-viral coevolution with a duplication event in the Durocryptodira. *J Vet Diagn Invest*. Jul 6:10406387231186135. [doi: 10.1177/10406387231186135](https://doi.org/10.1177/10406387231186135)
5. Tillis, S.B., C. Holt, S. Havens, T.D. Logan, J.G. Julander, **R.J. Ossiboff**. 2023. In vitro characterization and antiviral susceptibility of ophidian serpentoviruses. *Microorganisms*. 11:1371. [doi: 10.3390/microorganisms11061371](https://doi.org/10.3390/microorganisms11061371)
6. Murphy, J., R. Milner, A. Lejeune, **R.J. Ossiboff**, J.C. Gell, K. Shiomitsu, S.M. Axiak-Bechtel. 2023. Characterization of Expression and Prognostic Implications of GD2 and GD3 Synthase in Canine Histiocytic Sarcoma. *Vet Immunol Immunopathol*. 259:110594. [doi: 10.1016/j.vetimm.2023.110594](https://doi.org/10.1016/j.vetimm.2023.110594)
7. Balik, S.E., **R.J. Ossiboff**, E.E. Huguet, A. Gallastegui, N.I. Stacy, J.F.X. Wellehan, A.L. Childress, B.E. Baldrice, B.A. Dolan, L.E. Adler, and M.T. Walsh. 2023. *Sarcocystis speeri*, *Aspergillus fumigatus*, and Novel *Treponema* sp. Infections in an Adult Atlantic Spotted Dolphin (*Stenella frontalis*). *Front Vet Sci*. 10:1132161. [doi: 10.3389/fvets.2023.1132161](https://doi.org/10.3389/fvets.2023.1132161)
8. Caudill, M., T.D. Logan, A.L. Childress, V. Guzman-Vargas, K.M. Enge, L.A. Shender, **R.J. Ossiboff**. 2023. Multisystemic enterococcosis in brown anoles (*Anolis sagrei*) from Florida. *J Wildl Dis*. [doi: 10.7589/jwd-d-22-00045](https://doi.org/10.7589/jwd-d-22-00045)
9. Claunch, N.M., C.M. Goodman, M. Harman, M. Vilchez, S.D. Smit, B.M. Kluever, J.F.X. Wellehan, **R.J. Ossiboff**, C.M. Romagosa. 2023. Dermatomycosis caused by *Paranannizziopsis australasiensis* in non-native panther chameleons (*Furcifer pardalis*) captured in Central Florida, USA. *J Wildl Dis*. [doi: 10.7589/jwd-d-22-00018](https://doi.org/10.7589/jwd-d-22-00018)
10. Murphy, J., K. Shiomitsu, R. Milner, A. Lejeune, **R.J. Ossiboff**, J.C. Gell, S.M. Axiak-Bechtel. 2023. Characterization of Expression and Prognostic Implications of Transforming Growth Factor Beta, Programmed Death-Ligand 1, and T Regulatory Cells in Canine Histiocytic Sarcoma. *Vet Immunol Immunopathol*. 257:110560 [doi: 10.1016/j.vetimm.2023.110560](https://doi.org/10.1016/j.vetimm.2023.110560)
11. Kaganer, A.W., **R.J. Ossiboff**, N.I. Keith, K.L. Schuler, P. Comizzoli, M.P. Hare, R.C. Fleischer, B. Gratwicke, E.M. Bunting. 2023. Immune priming prior to pathogen exposure sheds light on the relationship between host, microbiome, and pathogen. *R. Soc. Open Sci*.10220810220810 [doi: 10.1098/rsos.220810](https://doi.org/10.1098/rsos.220810)
12. Farrell, T.M., H.D.S. Walden, and **R.J. Ossiboff**. 2023. The Invasive Pentastome (*Raillietiella orientalis*) in a Banded Watersnake (*Nerodia fasciata*) from the Pet Trade. *J Vet Diagn Invest*. [doi: 10.1177/10406387221147856](https://doi.org/10.1177/10406387221147856)
13. Tillis, S.B., J.M. Josimovich, M.A. Miller, L.L. Hoon-Hanks, A. Hartmann, N.M. Claunch, M.E. Iredale, T.D. Logan, A.A. Yackel Adams, I.A. Bartoszek, J.S. Humphrey, B.M. Kluever, M.D. Stenglein, R.N. Reed, C.M. Romagosa, J.F.X. Wellehan Jr, and **R.J. Ossiboff**. 2022. Serpentoviruses in free-ranging invasive pythons and native colubrids in southern Florida, United States. *Viruses*.14(12):2726. [doi: 10.3390/v14122726](https://doi.org/10.3390/v14122726)
14. Dolan, J, N.I. Stacy, M. Lo, **R.J. Ossiboff**, C. Lanier. 2022. What is your diagnosis? Blood film from a Yacare caiman (*Caiman yacare*). *J Clin Path*. 51:605-608. [doi: 10.1111/vcp.13096](https://doi.org/10.1111/vcp.13096)

15. Horgan, M.D., A.B. Alexander, C. Innis, B.A. Stacy, J.J. Gai, P.A. Pesavento, M.A. Highland, J. Bogan, B.L. Liguori, M.G. Hawkins, T.M. Norton, J.F.X. Wellehan, **R.J. Ossiboff**. 2022. Pulmonary and coelomic mycoses due to *Metarhizium* and *Beauveria* species in reptiles. *J Zoo Wildl Med*. 53(3): 605-612. [doi: 10.1638/2021-0081](https://doi.org/10.1638/2021-0081)
16. Palmisano, J.N., C. Bockoven, S.M. McPherson, **R.J. Ossiboff**, H.D.S. Walden, T.M. Farrell. 2022. Infection Experiments Indicate Common Florida Anurans and Lizards May Serve as Intermediate Hosts for the Invasive Pentastome Parasite, *Raillietiella orientalis*. *J Herpetology*. 56(3): 355-361. [doi: 10.1670/21-061](https://doi.org/10.1670/21-061)
17. Merola, C.T., L. Hauber, E.A. Graham, **R.J. Ossiboff**, P.M. DiGeronimo. 2022. Pathology in Practice: Disseminated mycobacteriosis caused by *Mycobacterium marinum* in snake-necked turtles (*Chelodina longicollis*). *J Am Vet Med Assoc*. Apr 8;259(S2):1-4. [doi: 10.2460/javma.20.06.0323](https://doi.org/10.2460/javma.20.06.0323)
18. Waltzek, T.B., B.A. Stacy, **R.J. Ossiboff**, N.I. Stacy, W.A. Fraser, A. Yan, S. Mohan, T.C.S. Rodrigues, P.H.O. Viadanna, K. Subramaniam, V.L. Popov, V. Guzman-Vargas, L.A. Shender. 2022. A Novel Group of Negative-Sense RNA Viruses Associated with Epizootics in Managed and Free-Ranging Freshwater Turtles in Florida, USA. *PLOS Pathog*. 18(3): e1010258. [doi: 10.1371/journal.ppat.1010258](https://doi.org/10.1371/journal.ppat.1010258)
19. Randolph, N., C. McAloney, **R.J. Ossiboff**, B. Hernandez, M. Cook, J. Hokamp. 2022. Nasal colonization by *Entamoeba gingivalis* in a 13-year-old Italian Greyhound. *J Clin Pathol*. 2022; 51(2): 1–269-272. [doi: 10.1111/vcp.13064](https://doi.org/10.1111/vcp.13064)
20. Miller, B.M., **R.J. Ossiboff**, N.I. Stacy. 2022. What is your diagnosis? Glossal imprint from a yellow-footed tortoise (*Chelonoidis denticulata*). *Vet Clin Pathol*. 51(1):149-152. [doi: 10.1111/vcp.12997](https://doi.org/10.1111/vcp.12997)
21. Pohly, A.G., E.A. Nijveldt, M.S. Stone, H.D.S. Walden, **R.J. Ossiboff**, F.O. Conrado. 2022. Infection with the fox lungworm (*Crenosoma vulpis*) in two dogs from New England – Two clinical reports and updated geographic distribution in North America. *Vet Parasitol Reg Stud*. 30(2022): 100714. [doi: 10.1016/j.vprsr.2022.100714](https://doi.org/10.1016/j.vprsr.2022.100714)
22. Claunch, N.M., I. Bartoszek, S.B. Tillis, **R.J. Ossiboff**, J.F.X. Wellehan Jr., N.I. Stacy, S. Oakey, L.A. Schoenle, R.N. Reed, C.M. Romagosa. 2022. Scales of stress: Effects of capture and short-term captivity in an invasive snake species, the Burmese python (*Python bivittatus*) in Florida. *Comp Biochem Physiol Part A Mol Integr Physiol*. 267(2022): 111162. [doi: 10.1016/j.cbpa.2022.111162](https://doi.org/10.1016/j.cbpa.2022.111162)
23. Chase, E.C., **R.J. Ossiboff**, T.M. Farrell, A.L. Childress, K. Lykins, S.A. Johnson, N. Thompson, H.D.S. Walden. 2022. Rat lungworm (*Angiostrongylus cantonensis*) in the invasive Cuban treefrog (*Osteopilus septentrionalis*) in Central Florida. *J Wildl Dis*. [doi: 10.7589/jwd-d-21-00140](https://doi.org/10.7589/jwd-d-21-00140)
24. Jacobson, E. **R.J. Ossiboff**, I. Paquet-Durand, A.L. Childress, H. Barrett, J. Marlin, C.T. McAllister, H.D.S. Walden. 2022. A new Eimeria (Apicomplexa: Eimeridae) in the critically endangered Central American river turtle (*Dermatemys mawii*) in Belize. *J Parasit*. 108(1): 93-99. [doi: 10.1645/21-44](https://doi.org/10.1645/21-44)
25. Hartmann, A.M., M.L. Maddox, **R.J. Ossiboff**, A.V. Longo. 2022. Sustained Ranavirus outbreak leads to mass-mortality and morbidity in two imperiled amphibian species in Florida. *EcoHealth*. [doi: 10.1007/s10393-021-01572-6](https://doi.org/10.1007/s10393-021-01572-6)
26. Liguori, B., **R.J. Ossiboff**, N. I. Stacy, E.A. Graham, L.J. Oliveira, A.L. Childress, R.F. Giglio, P.S. Hamel, R.C. Turner, A.B. Alexander, J.E. Christman, D.J. Heard, J.F.X. Wellehan. 2022. *Austwickia chelonae* in a wild gopher tortoise (*Gopherus polyphemus*) and evidence of positive selection on the Diphtheria-like toxin gene. *J Wildl Dis*. 58(1): 1-7. [doi: 10.7589/JWD-D-20-00223](https://doi.org/10.7589/JWD-D-20-00223)
27. Sim, R.R., **R.J. Ossiboff**, J. Nelson, T. Oddo. 2021. Emydid herpesvirus 1 infections in western pond turtles (*Actinemys marmorata*) and a red-eared slider (*Trachemys scripta elegans*) with fatal and non-fatal outcomes. *J Zoo Wildl Med*. 52(4): 1275-1279. [doi: 10.1638/2021-0044](https://doi.org/10.1638/2021-0044)
28. Towe, A.E., M.J. Gray, E.D. Carter, **R.J. Ossiboff**, K. Ash, M. Bohanon, B.A. Bajo, D.L. Miller. 2021. *Batrachochytrium salamandrivorans* can devour more than salamanders. *J Wildl Dis*. Oct 1;57(4):942-948. [doi: 10.7589/jwd-d-20-00214](https://doi.org/10.7589/jwd-d-20-00214)
29. Flanagan, J.P., P.M. Gibbons, D. Heard, T.M. Norton, **R.J. Ossiboff**, R.S. Funk, D. Mader, T.H. Boyer. 2021. Edema in Giant Tortoises. *J Herp Med Surg*. 31(3):220-238. [doi: 10.5818/06-2020](https://doi.org/10.5818/06-2020)
30. Desiderio, T., N.I. Stacy, **R.J. Ossiboff**, M. Iredale, L. Archer, A. Alexander, D. Heard, S. Crevasse, W. Craft, D. Fredholm, K. Donnelly, J. Rosenberg, A. Childress, K. Russell, J.F.X. Wellehan. 2021. Identification of a novel mortality-associated Helicobacter species in gopher tortoises (*Gopherus polyphemus*), qPCR test development and validation, and an epidemiological survey. *Vet Micro*. Aug;259:109136. [doi: 10.1016/j.vetmic.2021.109136](https://doi.org/10.1016/j.vetmic.2021.109136)

31. 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. 2021. Shell lesions associated with *Emydomyces testavorans* infection in freshwater aquatic turtles. *Vet Pathol.* 58(3):578-586. [doi.org: 10.1177/0300985820985217](https://doi.org/10.1177/0300985820985217)
32. Weisbrod, T.C., A.B. Jeon, A.L. Childress, D.B. Pouder, J. Castellanos-Gell, N.I. Stacy, H.D.S. Walden, M.M. Garner, R.P.E. Yanong, **R.J. Ossiboff**. 2021. Gastrointestinal entamoebiasis in captive anurans in North America. *Dis Aquat Org.* 143:109-118. [doi: 10.3354/dao03560](https://doi.org/10.3354/dao03560)
33. Flanders, A.J., **R.J. Ossiboff**, J.F.X. Wellehan Jr., A.B. Alexander, D.V.E. Fredholm, T.M. Desiderio, N.I. Stacy. 2020. Presumptive heterophil extracellular traps recognized cytologically in nine reptile patients with inflammatory conditions. *Vet Quarterly.* 41L1, 89-96. [doi: 10.1080/01652176.2021.1873453](https://doi.org/10.1080/01652176.2021.1873453)
34. Tillis, S.B., M.E. Iredale, A.L. Childress, E.A. Graham, J.F.X. Wellehan, R. Isaza, **R.J. Ossiboff**. 2020. Oral, cloacal, and hemipenial actinomycosis in captive ball pythons (*Python regius*). *Front Vet Sci.* 7:594600. [doi: 10.3389/fvets.2020.594600](https://doi.org/10.3389/fvets.2020.594600)
35. **Ossiboff, R.J.**, F.C. Origi, N.I. Stacy. 2020. Editorial: Health and Disease in Free-Ranging and Captive Wildlife. *Front Vet Sci.* 7:620685. [doi: 10.3389/fvets.2020.620685](https://doi.org/10.3389/fvets.2020.620685)
36. 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. 2020. *PNAS.* Nov 2020, 202000153. [doi: 10.1073/pnas.2000153117](https://doi.org/10.1073/pnas.2000153117)
37. Walden, H.D.S., M.E. Iredale, A. Childress, J.F.X. Wellehan, **R.J. Ossiboff**. 2020. Invasive pentastomes, *Raillietiella orientalis* (Sambon, 1922), in a free-ranging banded water snake (*Nerodia fasciata*) in north central Florida, USA. *Front Vet Sci.* 7:467. [doi: 10.3389/fvets.2020.00467](https://doi.org/10.3389/fvets.2020.00467)
38. 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*). 2020. *J Herp Med Surg.* 30(2):101-106. [doi: 10.5818/18-04-151.1](https://doi.org/10.5818/18-04-151.1)
39. 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.* 49(2):326-332. [doi: 10.1111/vcp.12864](https://doi.org/10.1111/vcp.12864)
40. 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)
41. 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)
42. 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)
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