

I. EMPLOYMENT

Anatomic Pathologist – 2022-present

Northwest ZooPath, Monroe, WA

Contract Anatomic Pathologist – 2022

Bronson Animal Disease Diagnostic Laboratory, Kissimmee, FL

Locum in Anatomic Pathology – 2021-present

University of Florida, College of Veterinary Medicine, Gainesville, FL

II. EDUCATION/PROFESSIONAL TRAINING

M.S. in Entomology – 2021-2023 – Summa cum laude; 4.00 GPA

Entomology and Nematology Department, University of Florida, Gainesville, FL

Anatomic Pathology Residency – 2018-2021

University of Florida, College of Veterinary Medicine, Gainesville, FL

Small Animal Clinical Internship – 2017-2018

Atlantic Coast Veterinary Specialists, Bohemia, NY

Doctor of Veterinary Medicine – 2013-2017

Washington State University, College of Veterinary Medicine, Pullman, WA

B.S. Wildlife Ecology – 2010-2014 – Magna Cum Laude; 3.68 GPA

Washington State University, Pullman, WA

III. REFEREED PUBLICATIONS

- **Marley E. Iredale**, Pedro H. O. Viadanna, Kuttichantran Subramaniam, Etienne Tardif, Bryony Bonning, James Ellis. "Report of Amoebic Disease in a Colony of Western Honey Bees (*Apis mellifera*)". *Veterinary Pathology* 2023.
- Tillis, Steven B., Jillian M. Josimovich, Melissa A. Miller, Laura L. Hoon-Hanks, Arik M. Hartmann, Natalie M. Claunch, **Marley E. Iredale**, Tracey D. Logan, Amy A. Yackel Adams, Ian A. Bartoszek, and et al. 2022. "Divergent Serpentoviruses in Free-Ranging Invasive Pythons and Native Colubrids in Southern Florida, United States" *Viruses* 14, 12: 2726.
- Brittany N. Diehl, **Marley E. Iredale**, Federico Vilaplana Grosso, Michael J. Dark, Catalina Cabrera. "Congenital hypospadias and vertebral malformation in a Barbados Blackbelly neonate". *Clinical Theriogenology* 2022; 14: 22.
- Tasha M. Desiderio, Nicole I. Stacy, Robert J. Ossiboff, **Marley E. Iredale**, Linda L. Archer, Amy B. Alexander, Darryl J. Heard, Sarah E. Crevasse, Daniel V. Fredholm, Kyle A. Donnelly, Justin F. Rosenberg, April L. Childress, Kathy Russell, James F. X. Wellehan Jr.. "Identification of a novel mortality-associated *Helicobacter* Species in Gopher Tortoises (*Gopherus polyphemus*), qPCR test development and validation, and an epidemiologic survey". *Veterinary Microbiology*. 18 June 2021.
- Steven B. Tillis, **Marley E. Iredale**, April L. Childress, James F.X. Wellehan, Ramiro Isaza, Robert J. Ossiboff. "Identification of a novel Actinomycete in granulomatous cloacal and hemipenal inflammation in captive male ball pythons (*Python regius*)". *Frontiers in Veterinary Science*. 8 January 2021.
- Katherine H. Haman, Deanna H. Olson, Matthew Gray, Reid Harris, Tracy Thompson, **Marley E. Iredale**, Michelle Christman, Jennifer Williams, Michael J. Adams, Jennifer Ballard. "Enhanced Biosecurity to Minimize Herpetofaunal Disease-Causing Pathogen Transmission at High-Risk Field Sites". *Herpetological Review*. 2021.

- Heather DS Walden, **Marley E Iredale**, April Childress, Jim F X Wellehan, Robert James Ossiboff. “Invasive pentastomes, *Raillietiella orientalis* (Sambon, 1922), in a free-ranging banded water snake (*Nerodia fasciata*) in north central Florida”. *Frontiers in Veterinary Science*. 04 August 2020.
- Marta Garbin, Adam W Stern, **Marley E Iredale**, Marta Romano. “Pheochromocytoma in a horse undergoing exploratory laparotomy”. *Journal of the American Veterinary Medical Association*. 15 July 2020.

IV. NON-REFEREED PUBLICATIONS

- Kaylin Kleckner and **Marley E. Iredale**. “Roles in a Honey Bee Lab”. *Bee Culture*. June 2023.

V. RESEARCH PRESENTATIONS

- “Description of Amoebic Disease of Western Honey Bees (*Apis mellifera*)”. **Marley E. Iredale**, Pedro H.O. Viadanna, Kuttichantran Subramaniam, Etienne Tardif, Bryony Bonning, James Ellis. Oral Presentation. Bee Informed Partnership Colloquium. January 2023. Invited.
- “Description of Amoebic Disease of Western Honey Bees (*Apis mellifera*)”. **Marley E. Iredale**, Pedro H.O. Viadanna, Kuttichantran Subramaniam, Etienne Tardif, Bryony Bonning, James Ellis. Oral Presentation. American Bee Research Conference. January 2023. Submitted.
- “Characterization of Amoebic Disease in a Colony of Western Honey Bees (*Apis mellifera*)”. **Marley E. Iredale**, Pedro H.O. Viadanna, Kuttichantran Subramaniam, Etienne Tardif, Bryony Bonning, James Ellis. Poster Presentation. Florida Entomologic Society Annual Meeting. Submitted.
- “Herpesvirus Infection in Yellow-backed Duikers (*Cephalophus silvicultor*)”. Bryce Miller, **Marley E. Iredale**, Lisa Farina, James F. X. Wellehan Jr., Robert J. Ossiboff. Oral Presentation. CL Davis and American Association of Zoo Veterinarians. Zoo and Wildlife Pathology Workshop. October 2021. Submitted.
- “Oligochaetosis in anuran amphibians”. **Marley E. Iredale**, Heather S. Walden, Lisa L. Farina, Allan P. Pessier, Jack K. Frenkel, Robert J. Ossiboff. Poster Presentation. American Association for Zoo Veterinarians. Annual Conference. September 2020. Submitted.
- “Leukemia in a population of California newts (*Taricha torosa*)”. **Marley E. Iredale**, Jill Spangenberg, Robert J. Ossiboff. Oral Presentation. CL Davis and American Association of Zoo Veterinarians. Zoo and Wildlife Pathology Workshop. September 2020. Submitted.
- “Intranuclear Coccidiosis in a Galápagos tortoise (*Chelonoidis nigra*). Bryce Miller, **Marley E. Iredale**, Nicole Stacy, Robert J. Ossiboff. Oral Presentation. CL Davis and American Association of Zoo Veterinarians. Zoo and Wildlife Pathology Workshop. September 2020. Submitted.
- “Mycoplasmosis in American alligators (*Alligator mississippiensis*)”. Megan Caudill, Gen Anderson, Jim Darlington, Lauren Gruny, Albert B. Jeon, Erin A. Graham, **Marley E. Iredale**, Emily Brenner, Amy B. Alexander, James F. X. Wellehan Jr., April Childress, Marissa Valentine-King, Mary Brown, Sreekumari Rajeev, Darryl Heard, Robert J. Ossiboff. Oral Presentation. CL Davis and American Association of Zoo Veterinarians. Zoo and Wildlife Pathology Workshop. September 2020. Submitted.
- “Mycoplasmosis in American alligators (*Alligator mississippiensis*): Recrudescence after a quarter of a century with a novel clinical manifestation”. Robert J. Ossiboff, Gen Anderson, Jim Darlington, Lauren Gruny, Megan Caudill, Albert B. Jeon, Erin A. Graham, **Marley E. Iredale**, Emily Brenner, Amy B. Alexander, James F. X. Wellehan Jr., April Childress, Marissa Valentine-King, Mary Brown, Sreekumari Rajeev, Darryl Heard. Oral Presentation. American Association for Zoo Veterinarians. Annual Conference. September 2020. Submitted.

- “Pneumatosis in the intestine of a lined seahorse (*Hippocampus erectus*)”. **Marley E. Iredale**, Craig A. Pelton, Salvatore Frasca Jr. Oral Presentation. International Association for Aquatic Animal Medicine. Annual Conference. May 2020. Submitted.
- “*Raillietiella orientalis*, an invasive pentastome, in a banded water snake (*Nerodia fasciata*) in north central Florida”. Heather Walden, **Marley E. Iredale**, April Childress, James Wellehan, Jr., Robert Ossiboff. Oral Presentation. American Association of Veterinary Parasitologists. Annual Conference. June 2020.
- “Oligochaetosis”. **Marley E. Iredale**, Heather S. Walden, Lisa L. Farina, Allan P. Pessier, Jack K. Frenkel, Robert J. Ossiboff. Oral Presentation. SouthEastern Veterinary Pathology Conference. May 2019. Submitted.
- “Determining the cause of shell disease in the Western Pond Turtle (*Actinemys marmorata*): CT and visual assessment for disease screening”. **Marley E. Iredale**, Katherine Haman, Gretchen Kaufman. Poster Presentation. Washington State University College of Veterinary Medicine. Veterinary Research Symposium. Submitted.
 - 1st Place
- “Determining the cause of shell disease in the Western Pond Turtle (*Actinemys marmorata*): An imaging study using CT and Bone Densitometry”. **Marley E. Iredale**, Katherine Haman, Gretchen Kaufman. Poster Presentation. Morris Animal Foundation. Veterinary Student Research Program. June 2016. Submitted.
 - 2nd Place
- “Determining the cause of shell disease in the Western Pond Turtle (*Actinemys marmorata*): An imaging study using CT and Bone Densitometry”. **Marley E. Iredale**, Katherine Haman, Gretchen Kaufman. Poster Presentation. Washington State University College of Veterinary Medicine. Veterinary Research Symposium. October 2015. Submitted.
- “Determining the cause of shell disease in the Western Pond Turtle (*Actinemys marmorata*): A microbial and histopathological investigation”. **Marley E. Iredale**, Katherine Haman, Kevin Snekvik, Gretchen Kaufman. Poster Presentation. Washington State University College of Veterinary Medicine. Veterinary Research Symposium. October 2014. Submitted.

VI. OTHER PRESENTATIONS

- “Honey bee medicine and the role of veterinarians”. **Marley E. Iredale**. Oral Presentation. University of Florida College of Veterinary Medicine. Resident Seminar. Gainesville, FL. September 2020.
- “Oligochaetosis: An overview and case presentation”. **Marley E. Iredale**, Heather S. Walden, Lisa L. Farina, Allan P. Pessier, Jack K. Frenkel, Robert J. Ossiboff. Oral Presentation. University of Florida College of Veterinary Medicine. Resident Seminar. Gainesville, FL. January 2020.
- “Actinomycosis: An overview and case presentation”. **Marley E. Iredale**. Oral Presentation. University of Florida College of Veterinary Medicine. Resident Seminar. Gainesville, FL. April 2019.
- “Plant-herbivore interactions and global climate change: a comparison of the consumption of a plant secondary metabolite by a generalist herbivore between subspecies and season”. **Marley E. Iredale**, Lisa Shipley. Oral Presentation. Washington State University Honors College. Honors Thesis. Pullman, WA. May 2013.
 - Passed with distinction

VII. EXTENSION AND OUTREACH PRESENTATIONS

Club Presentation – “Gut Pathogens of Honey Bees” – June 2023
Jacksonville Beekeepers Association, Jacksonville, FL

- Honey Bee College – “Viral Diseases of Honey Bees” and “Gut Pathogens of Honey Bees” – March 2023
University of Florida, Honey Bee Research and Extension Laboratory, Gainesville, FL
- Club Presentation – “Possible Career Paths in Veterinary Pathology” – January 2023
Student Chapter of the American College of Veterinary Pathologists, University of Florida, College of Veterinary Medicine, Gainesville, FL
- Kids and Bees 2023
American Beekeeping Federation Annual Meeting, Jacksonville, FL
- Master Beekeepers Question and Answer Session – October 2022
University of Florida, Honey Bee Research and Extension Laboratory, Online
- Club Presentation – “Viral Diseases of Honey Bees” – September 2022
Citrus County Beekeepers, Online
- Honey Bee College – “Viral Diseases of Honey Bees” – August 2022
Panama City, FL
- Club Presentation – “How to Support Honey Bees and Native Pollinators” – August 2022
Royal Highlands Garden Club, Leesburg, FL
- Club Presentation – “Amoebic Disease of Honey Bees” – July 2022
Gainesville Area Bee Club, Gainesville, FL
- Club Presentation – “Viral Diseases of Honey Bees” – June 2022
Western Apiculture Society, Online
- Club Presentation – “Viral Diseases of Honey Bees” – May 2022
Nassau County Beekeepers, Callahan, FL
- BugFest – April 2022
University of Florida, Department of Entomology and Nematology, Gainesville, FL
- Master Beekeepers Question and Answer Session – April 2022
University of Florida, Honey Bee Research and Extension Laboratory, Online
- Honey Bee College – “Viral Diseases of Honey Bees” and “Bacterial and Fungal Diseases of Honey Bees” – March 2022
University of Florida, Honey Bee Research and Extension Laboratory, Gainesville, FL
- Club Presentation – “Viral Diseases of Honey Bees” – February 2022
Queen of America Honey, Belleview, FL
- Master Beekeepers Question and Answer Session – October 2021
University of Florida, Honey Bee Research and Extension Laboratory, Online
- Panel for Undergraduate Students Interested in Veterinary Medicine – February 2020
University of Florida, College of Veterinary Medicine, Gainesville, FL
- Panel for Veterinary Students Interested in Internship/Residency – November 2019
University of Florida, College of Veterinary Medicine, Gainesville, FL

VIII. DIDACTIC TEACHING

- VEM 5161 General Pathology – “Cancer Epidemiology” – September 2022
University of Florida, College of Veterinary Medicine, Gainesville, FL
- VEM 5161 General Pathology – “Cancer Epidemiology” – September 2021
University of Florida, College of Veterinary Medicine, Gainesville, FL
- VEM 5162 Systemic Pathology – “Lymphoid Pathology” – February 2021
University of Florida, College of Veterinary Medicine, Gainesville, FL
- VEM 5161 General Pathology – “Repair and Regeneration” – September 2020
University of Florida, College of Veterinary Medicine, Gainesville, FL

VEM 5164 Small Animal Pathology – “Lymphoid Pathology” – January 2020
University of Florida, College of Veterinary Medicine, Gainesville, FL

IX. TEACHING ASSISTANTSHIPS

ENY4573/6572 - Beekeeping I/Apiculture I – Spring 2023
Entomology and Nematology Department, University of Florida, Online
ENY4573/6572 - Beekeeping I/Apiculture I – Summer 2022
Entomology and Nematology Department, University of Florida, Online
VEM 5751 Approach to Applied Pathology – 2018-2021
University of Florida, College of Veterinary Medicine, Gainesville, FL
VEM 5162 Systemic Pathology – 2019-2021
University of Florida, College of Veterinary Medicine, Gainesville, FL
VEM 5161 General Pathology – 2018-2020
University of Florida, College of Veterinary Medicine, Gainesville, FL
VET_MED 588 Radiology – 2015 & 2016
Washington State University, College of Veterinary Medicine, Pullman, WA

X. GRANTS AND SCHOLARSHIPS

Foundation for the Preservation of Honey Bees Scholar (\$5,000) – 2023
American Beekeeping Federation, Jacksonville, FL
Veterinary Research Scholars Program (\$5,000) – 2016
Morris Animal Foundation, Denver, CO
Summer Research Fellowship (\$6,000) – 2015
Washington State University, College of Veterinary Medicine, Pullman, WA
Summer Research Fellowship (\$6,000) – 2014
Washington State University, College of Veterinary Medicine, Pullman, WA

XI. COLLABORATIONS

- “Taking the sting out of honey bee medicine: Training and tools for veterinarians to increase access to care for beekeepers.” 2022 North Central Research and Education Grant. November 1, 2022 – October 31, 2025. Amount funded: \$250,000.

XII. PROFESSIONAL ORGANIZATIONS

American College of Veterinary Pathologists – 2020-Present
Member
Gainesville Beekeepers Association – 2020-Present
Member
Florida State Beekeepers Association – 2020-Present
Member
Honey Bee Veterinary Consortium – 2020-Present
Board Member
Prevention of Honey Bee Colony Losses – 2020-Present
Member
International Bee Research Association – 2020-Present
Member

XIII. REVIEWERSHIP

Invited Reviewer

Animals

Invited Reviewer

PLOS ONE

Invited Reviewer

Applied Sciences

Invited Reviewer

Veterinary Pathology

Invited Reviewer

Frontiers in Evolutionary and Genomic Microbiology

Invited Reviewer

Frontiers in Cellular and Infection Microbiology

XIV. MENTORSHIP

Diagnostic Challenge Case Development – May-August 2023

Washington State University, College of Veterinary Medicine, Online

Diagnostic Challenge Facilitator – November 2022

Washington State University, College of Veterinary Medicine, Online

Diagnostic Challenge Case Development – May-August 2022

Washington State University, College of Veterinary Medicine, Online

Diagnostic Challenge Facilitator – November 2020

Washington State University, College of Veterinary Medicine, Online

Veterinary Student Summer Research Project – 2020

Morris Animal Foundation, Denver, CO

XV. PROFESSIONAL DEVELOPMENT

Invertebrate Pathology Conference – April 2022

Davis-Thompson Foundation, Online

Symposium on Reproductive Pathology – May 2021

Davis-Thompson Foundation, Online

Symposium on Diseases of Honey Bees – January 2021

Davis-Thompson Foundation, Online

Symposium on Diagnostic Pathology of Wildlife Diseases – October 2020

Davis-Thompson Foundation, Online

Honey Bee College – August 2020

University of Florida, IFAS Extension, Online

Seminar on Diseases of Aquatic and Zoo Animals – June 2020

Davis-Thompson Foundation, Online

Referring Veterinarian Continuing Education Day – June 2019

University of Florida, College of Veterinary Medicine, Gainesville, FL

Residency Application Committee – 2019

University of Florida, College of Veterinary Medicine, Anatomic Pathology Department, Gainesville, FL

Conservation Medicine and Diseases of Amphibians and Reptiles Course – June 2016

American Museum of Natural History, Southwest Research Station, AZ

Research Scholars Program – 2014-2016

Washington State University, College of Veterinary Medicine, Pullman, WA
CAHNRS Student Ambassador – 2012-2013

Washington State University, College of Agricultural, Human, and Natural Resource Sciences, Pullman, WA

XVI. CONFERENCES ATTENDED

Southeastern Veterinary Pathology Conference – May 2023

University of Georgia, Tifton, GA

American Beekeeping Federation Annual Meeting – January 2023

Jacksonville, FL

American Bee Research Conference – January 2023

Jacksonville, FL

Society for Invertebrate Pathology Annual Meeting – August 2022

Online

Florida Entomological Society Annual Meeting – June 2022

University of Florida, Gainesville, FL

Southeastern Veterinary Pathology Conference – May 2022

University of Georgia, Tifton, GA

North American Bee Research Conference – January 2022

Online

17th COLOSS Conference – October 2021

Online

Honey Bee Veterinary Consortium Annual Conference – October-December 2021

Online

16th COLOSS Conference – October 2020

Online

American Association of Zoo Veterinarians Annual Conference – September 2020

Online

International Association of Aquatic Animal Medicine Annual Symposium – June 2020

Online

Southeastern Veterinary Pathology Conference – May 2019

University of Georgia, Tifton, GA

XVII. CERTIFICATES AND LICENSES

Board Certification – October 2021

American College of Veterinary Pathologists

Category II Veterinary Accreditation – October 2020

USDA - APHIS

State Veterinary License – 2018-Present

Florida

State Veterinary License – 2017-2018

New York

Honors Certificate of Completion – May 2014

Honors College, Washington State University, Pullman, WA

XVIII. EXAMINATIONS

American College of Veterinary Pathologists Phase II Certifying Examination – August 2021

Passed

American College of Veterinary Pathologists Phase I Certifying Examination – March 2020

Passed

Florida State Veterinary Licensing Examination – October 2018

Passed

North American Veterinary Licensing Examination (NAVLE) – November 2016

Passed

XIX. HONORS AND AWARDS

Nan Yao Su Award (\$1,000) – 2023

Entomology and Nematology Department, University of Florida, Gainesville, FL

Pathology Trainee and Scholarship Award – 2022

Davis-Thompson Foundation for Veterinary and Comparative Pathology

Intern of the Year - 2018

Atlantic Coast Veterinary Specialists, Bohemia, NY

2nd Place in the Veterinary Student Research Program – 2016

Morris Animal Foundation, Denver, CO

1st Place in the Veterinary Research Symposium – 2016

Washington State University, College of Veterinary Medicine, Pullman, WA

1st Place in Earth Science – 2009

International Science and Engineering Fair, Reno, NV