

Dondrae Coble, DVM, Diplomate ACLAM, CertAqV

Chief, Comparative Medicine Branch

Attending Veterinarian

NIH/NIEHS

111 T.W. Alexander Drive, Bldg. 101 D108

Research Triangle Park, NC 27709

Education and Professional Training:

<u>Year</u>	<u>Discipline</u>	<u>Institution</u>
2010 – 2011	NHP Clinical Residency	Yerkes National Primate Research Center
2008 – 2010	Laboratory Animal Medicine Residency	Emory University
2005 – 2006	Small Animal Rotating Internship	Florida Veterinary Specialists
2001 – 2005	Doctorate of Veterinary Medicine	Tuskegee University
1997 – 2001	BS; Laboratory Animal Science	N.C. A&T State University

Licensure and Certification:

2019 – present	Certified Aquatic Veterinarian, World Aquatic Veterinary Medical Association
2019 – present	Veterinary Medical Board, State of Ohio: #201909
2011 – present	Diplomate, American College of Laboratory Animal Medicine
2005 – present	Veterinary Medical Board, State of North Carolina: #5985
2005 – 2006	Veterinary Medical Board, State of Florida: #9665 (inactive)

Professional Experience:

2021 – present	Chief, Comparative Medicine Branch and Attending Veterinarian, NIEHS
2019 – present	Professor- Adjunct, OSU College of Veterinarian Medicine
2019 – 2021	Director and Attending Veterinarian, Nationwide Children’s Hospital
2016 – 2019	Director, University Laboratory Animal Resources (ULAR) Operations
2017 – 2018	Interim Assistant Dean of Recruitment, Admissions, and Student Affairs The Ohio State University College of Veterinary Medicine

2011 – 2016 Director, University Laboratory Animal Resources (ULAR) Experimental Surgery

The Ohio State University Administrative Service:

2019 – present OSU College of Veterinary Medicine Admissions Committee; Member

2017 – 2019 OSU College of Veterinary Medicine Admissions Committee; Chairperson

2017 – 2018 The President and Provost’s Leadership Institute (PPLI)

2017 – 2018 Interim Assistant Dean for Admissions and Student Affairs

2015 – 2018 IACUC Facilities Subcommittee; Chairperson

2011 – 2019 IACUC Member

2011 – 2017 OSU College of Veterinary Medicine Admission Committee Member

Professional Associations:

2021 – 2022 Director-at-Large; Ohio Veterinary Medical Association Board of Directors

2020 – present AAALAC *ad hoc* Specialist

2020 – present ACLAM Equity and Inclusion Task Force; Chairperson

2018 – present Committee for Laboratory Animal Training and Research; Councilor

2017 – 2018 District 5 AALAS Meeting; Scientific/Technical Chairperson

2015 – 2018 ACLAM Credentials Committee; Member

2014 – 2017 ASLAP New Book Committee; Member

2014 – 2016 Committee for Laboratory Animal Training and Research; President

2013 – 2014 ACLAM/ASLAP Program Committee; Chairperson

2011 – 2013 ACLAM/ASLAP Program Committee; Member

2013 – 2014 American Committee on Laboratory Animal Diseases; Vice President

2011 – 2013 American Committee on Laboratory Animal Diseases; Member

2009 – 2012 Association of Primate Veterinarians; Member

2009 – 2011 American Society of Primatologists; Member

2008 – present American Association for Laboratory Animal Science; Member

2008 – present American Society of Laboratory Animal Practitioners: Member

2005 – present American Veterinary Medical Association; Member

Professional Activities:

Nationwide Children’s Hospital

Committee Service

2020 – 2021 Abigail Wexner Research Institute Workforce Diversity Working Group; Chairperson

2020 – 2021 Nationwide Children’s Hospital Core Advisory Committee; Member

2019 – 2021 Nationwide Children’s Hospital Vivarium User Group; Member

2019 – 2021 Nationwide Children’s Hospital Institutional Animal Care and Use Committee; Member

2019 – 2021 Nationwide Children’s Hospital Institutional Radiation Safety Committee; Member

2019 – 2021 Nationwide Children’s Hospital Institutional Biosafety Committee; Member

The Ohio State University

Committee Service

2017 – 2018 The Strategy Oversight Team for Education; Member

2017 – 2018 The Strategy Oversight Team for Culture and Sustainability; Member

2017 – 2018 The Frank Stanton Chair in General Practice and Canine Health and Wellness Search Committee

2017 - 2018 The Director of Veterinary Professional Communication Education Search Committee

2017 – 2018 OSU Interprofessional Education and Practice (IPEP); Member

2017 – 2019 The Diversity Committee; Co-Chairperson

2017 – 2018 The College of Veterinary Medicine Crisis Assessment Team; Member

2016 – 2017 ULAR Clinical Veterinarian Search Committee; Chairperson

2015 – 2019 University Radiation Safety Committee

2015 – 2018 IACUC Facilities Subcommittee; Chairperson

2011 – 2019 Institutional Animal Care and Use Committee; Member

2011 – present The College of Veterinary Medicine Admissions Committee; Member

2013 – 2014 IACUC Veterinary Care Subcommittee; Chairperson
2012 – 2013 IACUC Facilities Subcommittee; Member

St. George's University

2018 Invited Visiting Professor
2016 Invited Visiting Professor

Tuskegee University

2018 – present Tuskegee Veterinary Medicine Alumni Association Executive Council
2018 – 2021 Tuskegee University Laboratory Animal Medicine Advisory Committee
2018 – 2020 Tuskegee University Laboratory Animal Medicine Curriculum Committee
2012 – 2014 Veterinary Medical Symposium Committee, Co-chairperson

Emory University

2008 – 2011 Institutional Animal Care and Use Committee (non-voting member)

Research Activities:

Book Chapters

1. Kim J, Habing G, Salyards, G, **Coble D**. Antimicrobial Stewardship in Captive Monkeys. In Neglected Diseases in Monkeys (pp. 141 – 170), Springer, 2021.

Publications

1. Harder O, Emmer K, Sparks A, Miller E, Gemensky-Metzler, **Coble D**, Niewiesk S, La Perle K. Cause and Treatment of Exophthalmos in Aged Cotton Rats (*Sigmodon hispidus*), Comparative Medicine. 2020; 70: 291 – 299.
2. Kim J, **Coble D**, Salyards G, Habing, G. Comparative Review of Antimicrobial Resistance in Humans and Nonhuman Primates, Comparative Medicine. 2018; 68(2): 124 – 130.
3. Kim J, **Coble D**, Salyards G, Bower J, Rinaldi W, Plauche G, Habing G. Antimicrobial Use for and Resistance of Zoonotic Bacteria Recovered from Nonhuman Primates, Comparative Medicine. 2017;67(1):79–86.

- Gallagher A, Sims C, **Coble, D.** Short-Term Housing and Husbandry of a Non-Traditional Animal Model: Naked Mole Rats; ALN Magazine; 2017.
- Virk S, **Coble D,** Bertone A, Hussein H, Khan S. Experimental Design and Surgical Approach to Create a Spinal Fusion Model in a New Zealand White Rabbit (*Oryctolagus cuniculus*), *Journal of Investigative Surgery.* 2016; 14: 1 – 9.
- Ammirati M, Lamki T, Chitnis G, Yang X, Russell D, **Coble D,** Kaur B, Knopp M, Moore S, and Ziaie B. In vivo brain electrophoresis – a novel method for chemotherapy of CNS diseases, *Expert Opinion on Drug Delivery;* 2015; 12(5):727 – 34.
- Coble D,** Shoemaker M, Harrington B, Dardenne A, and Bolon B. Histiocytic Sarcoma and Bilateral Facial Vein Thrombosis in a Siberian Hamster (*Phodopus sungorus*), *Comparative Medicine.* 2015; 65(2):127 – 32.
- Strong A, Mattox L, Sims C, and **Coble D.** An Effective Blood Collection Technique in Piglets (*Sus scrofa domestica*), *Laboratory Animal Science Professional;* 2014; 1:44 – 45.
- Coble D,** Taylor D, Mook D. Analgesic Effects of Meloxicam, Morphine Sulfate, Flunixin Meglumine, and Xylazine Hydrochloride in African-Clawed Frogs (*Xenopus laevis*), *Journal of the American Association for Laboratory Animal Science.* 2011; 50(3):355 – 360.
- Levin M, **Coble D,** Ross D. Reinfection with *Anaplasma phagocytophilum* in BALB/c mice and cross-protection between two sympatric isolates; 2004; 72(8):4723 – 4730.

Poster Presentations

- Ghosh S, Campbell K, Parsons S, and **Coble D.** The Impact of a Risk-Based Mitigation Program on Employee Injuries in Laboratory Animal Facilities, ABSA International; 2020.
- Galang, K, **Coble D,** and Bergdall V. Laboratory Animal Institution Census Project: Verifying the Number of Weaned Mice per Cage, AALAS National Meeting; 2017.
- Powers E, Mattox L, and **Coble D.** Management of Post-Anesthetic Hyperthermia in the Duroc Pig (*Sus scrofa domestica*), AALAS National Meeting; 2017.
- Lemoine D, Emmer K, Sparks A, Keller C, Cisse Y, and **Coble D.** Idiopathic Dermatitis in a Colony of Siberian Dwarf Hamsters (*Phodopus sungorus*), AALAS National Meeting; 2017.
- Lemoine D, Powers E, and **Coble D.** The Use of Positive Reinforcement Training to Minimize Handling Stress and Risk for Owl Monkeys (*Aotus nancymae*), AALAS National Meeting; 2017.
- Pavelko S, **Coble D,** Miguel R, and Cherpes T. *Chlamydia trachomatis*; a sexually transmitted pathogen in search of a model, The Ohio State University Denman Research Forum; 2015.

7. Darbyshire A, Bergdall V, and **Coble D**. An Assessment of the Safety of Recuvyra following Topical Administration in Mice, AALAS National Meeting; 2015.
8. Bacon H, Hofer C, and **Coble D**. Barbering in a Colony of Nile Grass Rats (*Arvicanthis niloticus*), AALAS National Meeting; 2013.
9. Bradley M, and **Coble D**. Monitoring the Intraoperative Temperature During Swine Surgery: An Analysis of Heating Devices, AALAS National Meeting; 2013.
10. Hofer C, Bolon B, and **Coble D**. Hepatocellular Carcinoma in a Nile Grass Rat (*Arvicanthis niloticus*), AALAS National Meeting; 2013.
11. Gill A, Dardenne A, Harrington B, Bolon B, and **Coble D**. Histiocytic Sarcoma in a Djungarian Hamster, AALAS National Meeting; 2012.
12. Leber A, **Coble D**, Ding H, Lewis S. Mucosal Cheek Pouch Tattoos Allow Repeated Assessment of Experimentally Induced Oral Tumor Development in Syrian Hamsters (*Mesocricetes auratus*), AALAS National Meeting; 2012.

Educational Activities:

Nationwide Children's Hospital

<u>Year</u>	<u>Individual</u>	<u>Discipline</u>	<u>Role</u>
2021	Charlene Morotti	Veterinary Externship	Co-Advisor
2020	Mike Palillo	Veterinary Externship	Co-Advisor
2020	Becca Makii	Veterinary Externship	Co-Advisor
2020	Natalie Celeste	Veterinary Externship	Co-Advisor
2020	Marie Brake	Veterinary Externship	Co-Advisor
2019	Michael McKinney	Veterinary Externship	Co-Advisor
2019	Morganne Campbell	Veterinary Externship	Co-Advisor
2019	Taylor Fiorini	Veterinary Externship	Co-Advisor

The Ohio State University Academic Advising

<u>Year</u>	<u>Individual</u>	<u>Discipline</u>	<u>Role</u>
2018	Curtis Rheingold	ASLAP Summer Fellowship	Advisor
2018 – 2019	Toi Collins	Comparative Medicine Resident	Co-Advisor
2017 – 2019	Kate Nolan	Comparative Medicine Resident	Co-Advisor
2016 – 2019	Kathryn Emmer	Comparative Medicine Resident	Co-Advisor
2015	Jeffrey Kim	Masters of Public Health Student	Thesis Committee
2015	Kristopher Galang	ASLAP Summer Fellowship	Advisor
2014	Amanda Darbyshire	ASLAP Summer Fellowship	Advisor
2014 – 2016	Dana Lemoine	Comparative Medicine Resident	Co-Advisor
2012 – 2015	Tara Martin	Comparative Medicine Resident	Co-Advisor
2011 – 2014	Christian Hofer	Comparative Medicine Resident	Co-Advisor
2012	Elizabeth Brockson	Masters of Public Health Student	Thesis Committee
2012	Michael Bradley	ASLAP Summer Fellowship	Advisor
2011 – 2012	Pratibha Kapoor	Comparative Medicine Resident	Co-Advisor
2011 – 2012	Michelle Creamer	Comparative Medicine Resident	Co-Advisor
2011 – 2012	Adrienne Dardenne	Comparative Medicine Resident	Co-Advisor

The Ohio State University Graduate/Professional Courses

2018

Basic Exotic Animal Medicine; Guest Lectures

Introduction to Laboratory Animal Medicine

Current Topics in Laboratory Animal Medicine; Resident Journal Club

Professional Development 3-B

Interactive Experiences in Laboratory Animal Medicine; Team Leader

Epidemiology of Zoonotic Diseases: Guest Lecture

Advanced Preventive Medicine; Lecture and Wet Lab

Laboratory Animal Medicine; Guest Lecture

Research Methods 1; Guest Lecture

2017

Basic Exotic Animal Medicine; Guest Lectures

Introduction to Laboratory Animal Medicine

Current Topics in Laboratory Animal Medicine; Resident Journal Club

Professional Development 3-B

Interactive Experiences in Laboratory Animal Medicine; Team Leader

Epidemiology of Zoonotic Diseases: Guest Lecture

Advanced Preventive Medicine; Lecture and Wet Lab

Laboratory Animal Medicine; Guest Lecture

Research Methods 1; Guest Lecture

2016

Introduction to Laboratory Animal Medicine; Guest Lectures

Advanced Preventive Medicine; Lecture and Wet Lab

Laboratory Animal Medicine; Guest Lecture

Current Topics in Laboratory Animal Medicine; Resident Journal Club

2015

Basic Exotic Animal Medicine; Guest Lectures

Summer Undergraduate Course Creating Excellence in the Scientific Community: Guest Lecture

Current Topics in Laboratory Animal Medicine; Resident Journal Club

Interactive Experiences in Laboratory Animal Medicine; Team Leader

Epidemiology of Zoonotic Diseases: Guest Lecture

Advanced Preventive Medicine; Lecture and Wet Lab

Laboratory Animal Medicine; Guest Lecture

The Integrated Biomedical Science Graduate Program; Guest Lecture

2014

Current Topics in Laboratory Animal Medicine; Resident Journal Club

Interactive Experiences in Laboratory Animal Medicine; Team Leader

Basic Exotic Animal Medicine; Guest Lectures

Summer Undergraduate Course Creating Excellence in the Scientific Community: Guest Lecture

Laboratory Animal Medicine; Guest Lecture

Advanced Preventive Medicine; Lecture and Wet Lab

Exotic Small Animal Medicine: Guest Lectures

Introduction to Laboratory Animal Medicine; Guest Lectures

The Integrated Biomedical Science Graduate Program; Wet Lab

2013

Advanced Preventive Medicine; Lecture and Wet Lab

Epidemiology of Zoonotic Diseases: Guest Lecture

Summer Undergraduate Course Creating Excellence in the Scientific Community: Guest Lecture

Laboratory Animal Medicine; Guest Lecture

Current Topics in Laboratory Animal Medicine; Resident Journal Club

Interactive Experiences in Laboratory Animal Medicine; Team Leader

Exotic Small Animal Medicine; Guest Lectures

Advanced Preventive Medicine; Lecture and Wet Lab

The Integrated Biomedical Science Graduate Program; Wet Lab

2012

Summer Undergraduate Course Creating Excellence in the Scientific Community: Guest Lecture

Epidemiology of Zoonotic Diseases: Guest Lecture

Exotic Small Animal Medicine; Guest Lectures

Interactive Experiences in Laboratory Animal Medicine; Team Leader

Advanced Preventive Medicine; Lecture and Wet Lab

Laboratory Animal Medicine; Guest Lecture

Current Topics in Laboratory Animal Medicine; Resident Journal Club
Pocket Pet Medicine; Guest Lecture
The Integrated Biomedical Science Graduate Program; Wet Lab

2011

Epidemiology of Zoonotic Diseases: Guest Lecture
Current Topics in Laboratory Animal Medicine; Resident Journal Club
Laboratory Animal Medicine; Guest Lecture

OSU College of Veterinary Medicine Student Organizations

2018 World Aquatic Veterinary Medical Association; Co-chair
2017 ASLAP Lecture "Swine: Biology, Techniques, and Research Uses"
2016 Animal Welfare Club Lecture "Laboratory Animal Welfare"
2015 ASLAP Lecture "Swine: Biology, Techniques, and Research Uses"
2013 Pre-Veterinary Club Scholarship Review Committee
2012 Pre-Veterinary Club Lecture "Introduction to Laboratory Animal Medicine"
2012 ASLAP Lecture "Swine: Biology, Techniques, and Research Uses"
2012 ASLAP Wet Lab "Swine Techniques"
2012 ASLAP Advanced Rodent Techniques Laboratory; Wet Lab
2011 ASLAP Lecture "Infectious Disease Research in Nonhuman Primates"
2011 Advanced Rodent Techniques Laboratory; Wet Lab

University Laboratory Animal Resources

2018 ALAT Training Course (Chapter 32)
2016 LAT Training Course (Chapters 16)
2016 LAT Training Course (Chapters 12 and 13)
2014 Indian Valley High School FFA; Facility Tour
2013 Veterinary Resident Suture Training; Wet Lab
2013 Guinea Pig Handling and Techniques; Wet Lab

- 2013 ALAT Training Course (Chapters 1, 2, 3, 13, and 32)
- 2012 LAT Training Course (Chapters 12 and 13)
- 2012 Continuing Education Lecture "Disaster Preparedness"

External to The Ohio State University

- 2019 TVMAA Executive Council Member
- 2018 Columbus City Schools: I Know I Can Program
- 2018 Upward Bound: College and Career Exploration at Nationwide Children's Hospital
- 2018 Columbus City Schools "A Dose of Reading" program
- 2018 Veterinary Exploration Conference; Chairperson
- 2018 Veterinary Exploration Conference; Invited Speaker
- 2017 Tuskegee Alumni Mentoring Program
- 2016 St. George's University College of Veterinary Medicine; Invited Lecture
- 2015 Trevitt Elementary School Career Day; Guest Lecture
- 2015 The African American Community Extension Math and Science Program; Guest Lecture
- 2015 The Bradford College Veterinary Technician Program; Lecture and Wet Lab
- 2014 Ohio Veterinary Medical Association Veterinary Exploration Conference: Guest Lecture
- 2014 The Bradford College Veterinary Technician Program; Lecture and Wet Lab
- 2013 The Bradford College Veterinary Technician Program; Lecture and Wet Lab
- 2012 Africentric Early College School Career Fair; Guest Lecture
- 2012 Workshop in Laboratory Animal Medicine; Invited Lecture
- 2012 The Bradford College Veterinary Technician Program; Lecture and Wet Lab
- 2012 Ohio Veterinary Medical Association Veterinary Exploration Conference: Guest Lecture
- 2011 Southeastern AALAS Conference; Guest Lecture
- 2010 147th AVMA Convention; Rodent Wet Lab
- 2009 Southeastern Veterinary Pathology Conference; Guest Lecture
- 2009 44th Tuskegee University Veterinary Medical Symposium; Guest Lecture

Professional Development:

2021	Nationwide Children's Hospital Journey To Leadership Excellence: Participant
2018	OSU College of Veterinary Medicine Faculty Leadership Book Club
2018	Fish Health and Necropsy Workshop
2017 – 2018	President and Provost's Leadership Institute; Attendee
2017 – 2018	Leadership Executive Coaching Program; Attendee
2017	Veterinary Leadership Experience
2017	Strengthsfinder 2.0 from Gallup; Participant
2017	Leadership 360 Feedback Program; Participant
2017	Everything DiSC Management; Participant
2016	Societal Identity and Bias Workshop; Attendee
2014	Gateway to Management Training Program; Attendee
2014	Management Advancement for the Public Service; Attendee
2013	DISCflex Leadership Workshop; Attendee
2013	Civility in the Workplace; Toxic Co-Workers; Attendee