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Born: October 8, 1956, Clinton, Iowa, USA. US citizen. Married (Elzbieta Łuczak, M.O.T. R/L), no children.

Education:

Purdue University, West Lafayette IN	B.S.	1978	Agriculture
Louisiana State University, Baton Rouge LA	M.S.	1980	Animal Breeding and Genetics
University of Arizona, Tucson AZ	Ph.D.	1987	Genetics
Iowa State University, Ames IA	Postdoctoral	1987-1988	Molecular Biology
University of Florida, Gainesville FL	Postdoctoral	1989-1991	Medical Microbiology

Professional Experience:

1980 – 1984	Research Associate, Animal Sciences, Louisiana State University
1992 – 1993	Assistant Research Scientist and Lecturer, Animal Sciences, University of Arizona
1993 – 1997	OPS Professional, Pathobiology, University of Florida
1997 – 1998	Scientific Director, Immunological Analysis Laboratory, Interdisciplinary Center for Biotechnology Research, University of Florida
1997 – 2000	Adjunct Instructor, Natural Sciences and Health Sciences, Santa Fe College
1997 – 2004	Assistant Scientist, Pathobiology, University of Florida
2000 – 2004	Associate Professor, Health Sciences; Lead Instructor of Microbiology and Biotechnology; Coordinator, Biotechnology Laboratory Program; Santa Fe College (<u>tenured 2001</u>)
2004 – 2009	Assistant Professor, Infectious Diseases and Pathology, College of Veterinary Medicine, University of Florida
2009 – date	Associate Professor, Infectious Diseases and Pathology, College of Veterinary Medicine, University of Florida (<u>tenured 2009</u>). Joint appointment in Molecular Genetics and Microbiology, UF College of Medicine. Member UF Graduate Faculty; UF Emerging Pathogens Institute; UF Genetics Institute; UF Health Cancer Center Immunology Program; UF Howard Hughes Medical Institute Science for Life Program.

Professional Societies:

International Union of Microbiological Societies, Division of Bacteriology and Applied Microbiology
 International Committee on Systematics of Prokaryotes, Executive Board (Secretary for Subcommittees 2014 – present; Member At-Large 2005 – 2014); Subcommittee on the Taxonomy of *Mollicutes*
Chairman 2008 – present, Secretary 2004 – 2008

International Organization for Mycoplasmaology

Member 1993 – present; Past Chairman 2014 – 2016; Chairman 2012 – 2014; Board of Directors 2010 – 2016, 2004 – 2006; International Congress Scientific Program Committee Chairman 2008 – 2010, committee member 2007 – 2008, 2003 – 2004; Scientific Awards Committee Chairman 2007 – 2008, committee member 2005 – 2006; Student Travel Awards Committee member 2007 – 2008; FAO / WHO International Research Programme on Comparative Mycoplasmaology Team Leader for New and Emerging Species 2006 – 2011

American Society for Microbiology, Division G [Mycoplasmaology]

Member 1993 – present; Division Advisor 2006 – 2007, Chairman 2005 – 2006, Chair-elect 2004 – 2005, Councilor 2003 – 2005, Alternate Councilor 2002 – 2003 and ad hoc; International Mentoring Program volunteer 2008 – present

University of Florida Governance and Service:

- 2005 – 2008 College of Veterinary Medicine, Research Committee (reviewer for 20 grant proposals)
- 2005, 2006 College of Veterinary Medicine, UF Community Campaign
- 2007, 2014 College of Veterinary Medicine, Faculty Council (Chairman 2014 – 2015, 2008 – 2009; ad hoc Acting Chair 2007 – 2008)
- 2008, 2014 College of Veterinary Medicine, Administrative Council (*ex officio* Faculty Council)
- 2008 College of Veterinary Medicine, Library Committee
- 2008 – 2011 Department of Infectious Diseases and Pathology, Search Committee for Professor of Molecular Virology (Emerging Pathogens Institute affiliate)
- 2008 – 2012 College of Veterinary Medicine, Student-Faculty Communications Committee (Chairman 2010 – 2011)
- 2008 – present College of Medicine, Master of Medical Science Curriculum Committee
- 2009 – present UF Interdisciplinary Center for Biotechnology Research, Monoclonal Antibody Laboratory and Cellomics Division Advisory Groups
- 2009 – 2012 College of Veterinary Medicine, Curriculum Committee (Chairman 2010 – 2012)
- 2010 Department of Infectious Diseases and Pathology, Search Committee for Research Assistant Professor of Parasitology
- 2010 – 2011 College of Veterinary Medicine, Auditorium Construction Steering Committee
- 2011 College of Veterinary Medicine, Search Committee for Associate Dean of Students and Instruction
- 2011 – 2012 College of Veterinary Medicine, Research Strategic Planning Committee
- 2011 – 2012 Department of Infectious Diseases and Pathology, Search Committee for Professor of Virology
- 2011 – 2012 University Curriculum Committee, College of Veterinary Medicine liaison
- 2011 – 2012 College of Veterinary Medicine, Distance Education Task Force
- 2012 University Office of Research, Research Opportunity Fund reviewer (6 proposals)
- 2012 College of Veterinary Medicine, Office of the Associate Dean for Research and Graduate Studies Review Committee (Chairman)
- 2012 – 2015 College of Veterinary Medicine, Admissions Committee
- 2013 – present UF Leadership Network
- 2013 Department of Infectious Diseases and Pathology, Search Committee for Research Professor of Virology (Chairman)
- 2013 – 2015 Department of Infectious Diseases and Pathology, Graduate Coordinator
- 2013 – 2015 College of Veterinary Medicine, Graduate Studies Committee
- 2013 – 2015 Emerging Pathogens Institute, Search Committee for Pre-Eminence cluster hires (*Burkholderia* and Select Agents)
- 2014, 2015 UF Graduation Marshal (Honor Guard)
- 2015 College of Veterinary Medicine, Search Committee for Associate Dean of Clinical Services
- 2015 – present UF Institutional Animal Care and Use Committee
- 2015 – present College of Veterinary Medicine, Search Committee for Associate Dean of Academic Affairs

Professional Service:

- 2009 – present Bergey's Trust, Associate Member of the Board of Trustees
- 2010 – present National Board of Veterinary Medical Examiners, exam reviewer, item writer (microbiology and immunology) and exam key validator
- 2011, 2015 U.S. Food and Drug Administration, Vaccines and Related Biological Products Advisory Committee site visit reviewer (Laboratory of Method Development)
- 2011 U.S. Centers for Disease Control and Prevention - U.S. Department of Agriculture "One Health" Training Working Group
- 2013 – present The Mollicutes Collection of Cultures and Antisera, curator
- 2015 NIH GenBank Microbial Genomic Taxonomy Workshop advisory group member

Selected Honors:

- 1977 Alpha Zeta Professional Fraternity of Agriculture
- 1978 Phi Kappa Phi Honor Society for Land-grant and Public Colleges or Universities
- 1980 Gamma Sigma Delta Honor Society for Agriculture and Agricultural Sciences
- 1984 – 1987 University of Arizona Cowden Fellowship
- 1986 Sigma Xi Scientific Research Society
- 1996 Special Award; Desert Tortoise Council
- 1998, 2002, 2004 Who's Who among America's Teachers
- 1999 National Science Foundation Advanced Technological Education Bio-Link Fellowship
- 2000 National Institute for Staff and Organizational Development Excellence Award
- 2002 American Veterinary Medical Association, Board of Scientific Reviewers Exemplary Service recognition
- 2003 U.S. Department of Health and Human Services Coalition for Allied Health Leadership
- 2004 C.E. Cornelius Young Investigator Award; UF College of Veterinary Medicine
- 2004 Derrick Edward Award for Outstanding Research in Mycoplasma; International Organization for Mycoplasma
- 2005 Outstanding Educator Award; UF College of Agricultural and Life Sciences
- 2006 Certificate of Merit; American Society for Microbiology
- 2006 Certificate of Appreciation; Morris Animal Foundation
- 2007 Honorary membership, Phi Zeta National Honor Society of Veterinary Medicine
- 2008, 2009 Who's Who in Veterinary Medicine Higher Education
- 2013 University of Florida Advanced Leadership for Academics and Professionals
- 2014, 2015 Bonus in recognition of outstanding contributions to the UF DVM teaching program
- 2015 Elsevier Outstanding Reviewer Award (*Veterinary Immunology and Immunopathology*)

Invited Presentations at National and International Meetings:

- "Etiology, diagnosis, and host range of a lethal mycoplasmal disease of crocodylians." American Society for Microbiology Annual General Meeting, May 21-25, 2000, Los Angeles CA.
- "Etiology and host range of a fatal mycoplasmal disease of crocodylians." 13th International Congress of the International Organization for Mycoplasma. July 14-19, 2000, Fukuoka, Japan.
- "Mycoplasmosis and host defenses of reptiles, birds, and fish." American Society for Microbiology Annual General Meeting, May 20-24, 2001, Orlando FL.
- "Annotation of the *Mycoplasma alligatoris* genome." American Society for Microbiology Annual General Meeting, May 19-23, 2002, Salt Lake City UT.
- "Spreading factors of *Mycoplasma alligatoris*, a flesh-eating mycoplasma." *Derrick Edward Award Lecture*: 15th International Congress of the International Organization for Mycoplasma. July 11-16, 2004, Athens GA.
- "Role of extracellular glycosidases in *Mycoplasma alligatoris*-induced apoptosis." 16th International Congress of the International Organization for Mycoplasma. 9-14 July 2006, Cambridge, England.
- "Mycoplasma taxonomy and ecology." International Mycosafe Symposium on Mycoplasmas in Biotechnological and Biopharmaceutical Processes. 12-13 April 2007, Vienna, Austria.
- "Quality control and deposition of reference strains." Tianjin Medical University Mycoplasma Techniques Workshop, 6 July 2008, Tianjin, China.
- "Annotation of the *Mycoplasma crocodyli* genome." 17th International Congress of the International Organization for Mycoplasma, 6-11 July 2008, Tianjin, China.
- "Virulence-associated glycosidases of pathogenic mycoplasmas." American Society for Microbiology General Meeting, May 23-27, 2010, San Diego CA.
- "Taxonomy and nomenclature of the Class *Mollicutes*." European Cooperation in Science and Technology (COST) Workshop on Integrated Management of Phytoplasma Epidemics, 16 July 2010, Chianciano Terme, Italy.
- "Genome annotation of five *Mycoplasma canis* strains." 19th International Congress of the International Organization for Mycoplasma, 15-20 July 2012, Toulouse, France.

“The Mollicutes Collection of Cultures and Antisera.” U.S. Culture Collection Network Symposium on Enhancing Synergy between Microbial Genome/Metagenome Research and U.S. Living Microbe Culture Collections. 23-24 September 2014, Davis CA.

"The type species concept in the genomic era of *Mollicutes*." 6th Congress of European Microbiologists (FEMS 2015), 7-11 June 2015, Maastricht, The Netherlands.

“The *Mycoplasma canis* PG14^T genome revisited.” 21st International Congress of the International Organization for Mycoplasmaology, 3-7 July 2016, Brisbane, Australia.

Other invited presentations

"Spreading factors of *Mycoplasma alligatoris*." Department of Pathobiology Seminar Series, University of Connecticut, April 6-7, 2005, Storrs CT.

"Spreading factors of *Mycoplasma alligatoris*." Department of Microbiology Seminar Series, University of Georgia, August 30-31, 2006, Athens GA.

"Virulence-associated glycosidases of pathogenic mycoplasmas." Institut für Veterinär bakteriologie, Universität Bern, April 7, 2011, Bern, Switzerland.

Funding History:

- Ongoing and completed awards since 1997 as PI: **\$2,645,145**
- Total awards since 1997: **\$2,891,942**

Extramural research funding

NIH R01GM076584 with S1 (**D.R. Brown, PI**, J.I. Glass [J. Craig Venter Institute] Co-PI) 9/1/06 - 8/30/12
National Institute of General Medical Sciences \$1,863,704

"Linked virulence and fitness of *Mycoplasma alligatoris*"

The major goals of this project are to demonstrate linkage between fitness and virulence factors of *M. alligatoris*, and to demonstrate horizontal gene transfer as a mechanism precipitating bacterial virulence.

Louisiana State University, School of Veterinary Medicine 56748 (**D.R. Brown, PI**) 7/01/11 - 2/28/12 "ELISA detection of *Mycoplasma alligatoris* in American alligators" \$18,000 Contract for diagnostic testing for mycoplasmosis of alligators.

Louisiana State University, School of Veterinary Medicine 32897 (**D.R. Brown, PI**) 8/24/08 - 6/30/11 "ELISA detection of *Mycoplasma alligatoris* in American alligators" \$21,600 Contract for diagnostic testing for mycoplasmosis of alligators.

NIH R03AI076547 (**D.R. Brown, PI**, S.P. Sugrue, Co-I) 1/1/08 - 12/31/09

National Institute of Allergy and Infectious Diseases \$146,500

"Mycoplasma model of infection-mediated sterile inflammation"

The goal of this project is to explore the role of bacterial glycosidases in TLR-mediated inflammation.

U.S. Army Research Office W911NF-06-1-0281 (**D.R. Brown, PI**) 7/1/06 – 6/30/07

U.S. Department of Defense \$24,750

"Biosensor for field diagnostics"

The goal of this project was to validate evanescent wave biosensor technology for detection of specific anti-mycoplasma antibodies in animal plasma.

NIH 1R15HG002389 (**D.R. Brown, PI**, W.G. Farmerie, Co-PI) 7/1/02 - 9/30/06

National Human Genome Research Institute \$145,208

"Annotation of the *Mycoplasma alligatoris* genome"

The goals of this project were to identify candidate virulence factors and host-range determinants of *M. alligatoris* by comparative genomics.

Research Funding History (*cont.*):

Morris Animal Foundation D05ZO-066 (**D.R. Brown, PI**, L.D. Wendland & D.S. Rotstein, Co-I) 9/1/05 - 8/30/06

"Mycoplasmosis of iguanas" \$16,563

The goals of this project were to assess the virulence of *Mycoplasma iguanae* and to validate assays for the humoral immune responses of iguanas to mycoplasmosis.

National Biological Survey (**D.R. Brown, PI**) 7/14/05 - 9/01/05

U.S. Department of the Interior \$2,000

"Preparation of *Mycoplasma agassizii* reporter antigens for the Raptor system"

Contract for reagent preparation for the Raptor evanescent wave biosensor system.

National Biological Survey RWO209 (**D.R. Brown, PI**, P.A. Klein, Co-PI) 7/1/00 - 6/30/04

U.S. Department of the Interior \$134,488

"Chelonian serodiagnostics"

The goals of this project were refinement of chelonian serodiagnostic reagents and tests.

NRI-CGP 9802614 (**D.R. Brown, PI**, E.R. Jacobson, Co-PI) 10/1/98 – 9/30/01

U.S. Department of Agriculture \$132,915

"Etiology, diagnosis, and prevalence of a fatal infectious disease of alligators"

The goals of this project were to confirm the etiology of the disease through experimental infections, and to validate a serodiagnostic test for exposure to *Mycoplasma alligatoris*.

Morris Animal Foundation 98ZO-44 (**D.R. Brown, PI**, R.A. Bennett, Co-PI) 8/1/98 - 7/31/99

"Host range of a lethal mycoplasma among crocodylians" \$11,250

The goals of this project were to test the pathogenicity of *Mycoplasma alligatoris* in caimans and crocodiles and to validate assays for their humoral immune responses to mycoplasmosis.

U.S. Army DACA05-98-0664 (**D.R. Brown, PI**) 10/1/97 - 9/30/00

U.S. Department of Defense \$60,060

"Development of a qualitative field diagnostic test for specific anti-mycoplasma antibodies in blood of tortoises"

The goals of this project were to develop a qualitative field diagnostic test for specific antibodies in blood of tortoises.

U.S. Geological Survey 8CASA81001 (**D.R. Brown, PI**) 7/1/98 - 6/30/99

U.S. Department of the Interior \$5,500

"Diagnostic testing"

Contract for diagnostic testing for mycoplasmosis of tortoises.

U.S. Geological Survey 81052-7-0233 (**D.R. Brown, PI**) 6/4/97 - 9/30/97

U.S. Department of the Interior \$3,000

"Diagnostic testing"

Contract for diagnostic testing for mycoplasmosis of tortoises.

Co-Principal Investigator

DOI/NBS RWO213 (P.A. Klein, PI, D.R. Brown, Co-PI) 7/1/01 - 6/30/03 10% effort

U.S. Department of the Interior \$75,000

"Seroepidemiological studies of herpesvirus-associated diseases of marine turtles: fibropapillomatosis and lung-eye-trachea disease"

The goals of this phase of a multi-stage project were chelonian seroepidemiological studies based on in vitro expression of cloned alpha-herpesvirus peptide antigens.

Research Funding History (*cont.*):

DOI/NBS RWO194 (P.A. Klein, PI, D.R. Brown, Co-PI) 9/15/99 - 9/14/01 10% effort

U.S. Department of the Interior \$70,000

"Further strategies for evaluating the etiological role of a tumor-associated herpesvirus in marine turtle fibropapillomatosis"

The goals of this phase of a multi-stage project were further animal studies of pathological and immune responses to inoculation with herpesvirus, and continued development of chelonian serodiagnostic assays.

DOI/NBS RWO180 (P.A. Klein, PI, D.R. Brown, Co-PI) 7/1/97 - 6/30/00 40% effort

U.S. Department of the Interior \$101,797

"Pathogenic, molecular, and immunological properties of a herpesvirus associated with green turtle fibropapillomatosis. Phase 2. Viral pathogenesis and development of diagnostic assays"

The goals of this phase of a multi-stage project were to culture chelonian herpesviruses in cell lines, and to obtain viral antigens for development of serodiagnostic assays.

Intramural research funding

Harold & Vera Morris Trust Research Fund (**D.R. Brown, PI**) 2/1/13 - 1/31/14

University of Florida, College of Veterinary Medicine \$5,000

"Mycoplasmal meningoencephalitis"

The goal of this project is reagent development for use in immunohistopathology of canine meningitis.

Faculty Research Development Award (**D.R. Brown, PI**) 11/15/12 - 11/14/13

University of Florida, College of Veterinary Medicine \$7,500

"*Mycoplasma canis* pathogenicity in meningoencephalitis"

The goal of this pilot study is to obtain preliminary data on the cellular microbiology of *Mycoplasma canis*.

Division of Pari-Mutuel Wagering (**D.R. Brown, PI**, C.M. Crawford, Co-I) 8/07 - 6/08

Florida Department of Business and Professional Regulation \$23,375

"Role of mycoplasmas in canine influenza"

The goal of this project was epidemiological assessment of the role of mycoplasmas in canine influenza.

Faculty Research Development Award (**D.R. Brown, PI**) 11/1/04 - 12/31/05

University of Florida, College of Veterinary Medicine \$3,732

"Mycoplasmosis of iguanas"

The goals of this project were to assess the virulence of newly-discovered *Mycoplasma iguanae* and to characterize the humoral immune responses of iguanas to mycoplasmosis.

Other Funding:

NIH R13AI112163 (**D.R. Brown, PI**) 5/1/14 - 4/30/15

National Institute of Allergy and Infectious Diseases \$20,000

"20th Congress of the International Organization for Mycoplasmaology"

This award supported U.S. graduate student and postdoctoral trainee participation in the 20th International Congress of the International Organization for Mycoplasmaology, June 1-6, Blumenau SC, Brazil.

Grant reviewing - ad hoc: National Science Foundation; U.S. - Israel Binational Agricultural Research and Development; U.S. Department of Agriculture NRI-CGP; Sigma Delta Epsilon Graduate Women in Science National Fellowship Program; Italian Ministry of Health Biomedical Research Grant Program

Publications:Peer-reviewed

1. Craig, W.M., **D.R. Brown**, G.A. Broderick and D.B. Ricker. 1984. Polysaccharide levels of fluid and particulate microbes. Canadian Journal of Animal Science 64: 62, Suppl. S.
2. **Brown, D.R.**, L.L. Southern and D.H. Baker. 1985. A comparison of methods for organ-weight data adjustment in chicks. Poultry Science 64:366-369.
3. **Brown, D.R.** and L.L. Southern. 1985. Effect of *Eimeria acervulina* infection in chicks fed excess dietary cobalt and or manganese. Journal of Nutrition 115:347-351.
4. **Brown, D.R.** and L.L. Southern. 1985. Effect of citric and ascorbic acids on performance and intestinal pH of chicks. Poultry Science 64:1399-1401.
5. **Brown, D.R.** and L.L. Southern. 1986. Dietary cimetidine and copper in *Eimeria acervulina*-infected chicks. Proceedings of the Society for Experimental Biology and Medicine 181:351-356.
6. Southern, L.L., **D.R. Brown**, D.D. Werner and M.C. Fox. 1986. Excess supplemental choline for swine. Journal of Animal Science 62:992-996.
7. **Brown, D.R.**, S.K. DeNise and R.G. McDaniel. 1986. Hepatic mitochondrial activity in two breeds of chicken. Poultry Science 65:613-615.
8. **Brown, D.R.**, S.K. DeNise and R.G. McDaniel. 1987. Mitochondrial respiratory metabolism and performance of Holstein cows. FASEB Proceedings 46:1175.
9. Fox, M.C., **D.R. Brown** And L.L. Southern. 1987. Effect of dietary buffer additions on gain, efficiency, duodenal pH, and copper concentration in liver of *Eimeria acervulina*-infected chicks. Poultry Science 66:500-504.
10. Giraldo, C.A., **D.R. Brown**, K.L. Watkins and L.L. Southern. 1987. Responses to excess dietary magnesium as affected by experimental *Eimeria acervulina* infection or by dietary ammonium chloride ingestion in the chick. Journal of Nutrition 117:1053-1059.
11. Craig, W.M., **D.R. Brown**, G.A. Broderick And D.B. Ricker. 1987. Postprandial compositional changes of fluid-associated and particle-associated ruminal microorganisms. Journal of Animal Science 65:1042-1048.
12. **Brown, D.R.**, S.K. DeNise and R.G. McDaniel. 1987. Phenotypic variation in respiratory metabolism and complementation of murine hepatic mitochondria. Theoretical and Applied Genetics 75:189-193.
13. **Brown, D.R.**, D.C. Beitz, P.G. Dettileux and P.D. Ekema. 1988. Effects of testosterone on respiratory metabolism and ultrastructure of caprine hepatic mitochondria. Biochemical Archives 4:189-197. [**Brown, D.R.** and D.C. Beitz. 1988. Effects of testosterone on mitochondria of growing goats. FASEB Journal 2:A322. abstr.]
14. **Brown, D.R.**, S.K. DeNise and R.G. McDaniel. 1988. Mitochondrial respiratory metabolism and performance of cattle. Journal of Animal Science 66:1347-1354.
15. **Brown, D.R.**, S.K. DeNise and R.G. McDaniel. 1989. Cytoplasmic genetic effects and growth of hybrid mice. Journal of Animal Science 67:887-894.
16. Koehler, C.M., G.L. Lindberg, **D.R. Brown**, D.C. Beitz, A.E. Freeman, J.E. Mayfield and A.M. Myers. 1991. Replacement of bovine mtDNA by a sequence variant within one generation. Genetics 129:247-255.
17. **Brown, D.R.**, H.M. Zhang, S.K. DeNise and R.L. Ax. 1993. Bovine prion gene allele frequencies determined by AMFLP and RFLP analysis. Animal Biotechnology 4:47-51.
18. Zhang, H.M., **D.R. Brown**, S.K. Denise And R.L. Ax. 1993. Polymerase chain reaction-restriction fragment length polymorphism analysis of the bovine somatotropin gene. Journal of Animal Science 71:2276.
19. Klein, P.A., C.E. McKenna, I.M. Schumacher, E.R. Jacobson, G.S. McLaughlin, **D.R. Brown** and M.B. Brown. 1995. The etiology, pathology, and diagnosis of upper respiratory-tract disease in the Florida gopher tortoise. FASEB Journal 9:145.
20. **Brown, D.R.**, B.C. Crenshaw, G.S. McLaughlin, I.M. Schumacher, C.E. McKenna, P.A. Klein, E.R. Jacobson and M.B. Brown. 1995. Taxonomic analysis of the tortoise mycoplasmas *Mycoplasma agassizii* and *Mycoplasma testudinis* by 16S ribosomal RNA gene sequence comparison. International Journal of Systematic Bacteriology 45:348-350.
21. **Brown, D.R.**, G.S. McLaughlin and M.B. Brown. 1995. Taxonomy of the feline mycoplasmas *Mycoplasma felifaucium*, *Mycoplasma feliminutum*, *Mycoplasma felis*, *Mycoplasma gateae*, *Mycoplasma leocaptivus*, *Mycoplasma leopharyngis*, and *Mycoplasma simbae* by 16S ribosomal RNA gene sequence comparisons. International Journal of Systematic Bacteriology 45:560-564.

22. Dillehay, D.L., M. Sander, D.L. Talkington, W.L. Thacker and **D.R. Brown**. 1995. Isolation of mycoplasmas from prairie voles (*Microtus ochrogaster*). *Laboratory Animal Science* 45:631-634. **Cover article**.
23. Kirchhoff, H., K. Mohan, R. Schmidt, M. Runge, **D.R. Brown**, M.B. Brown, C.M. Foggin, P. Muvavarirwa, H. Lehmann and J. Flossdorf. 1997. *Mycoplasma crocodyli* sp. nov., a new species from crocodiles. *International Journal of Systematic Bacteriology* 47:742-746.
24. Penner, J.D., E.R. Jacobson, **D.R. Brown**, H.P. Adams and C. Besch-Williford. 1997. A novel *Mycoplasma* sp. associated with proliferative tracheitis and pneumonia in a Burmese python (*Python molurus bivittatus*). *Journal of Comparative Pathology* 117:283-288.
25. Brown, M.B., G.S. McLaughlin, P.A. Klein, B.C. Crenshaw, I.M. Schumacher, **D.R. Brown** and E.R. Jacobson. 1999. Upper respiratory tract disease in the gopher tortoise is caused by *Mycoplasma agassizii*. *Journal of Clinical Microbiology* 37:2262-2269.
26. Schumacher, I.M., D.C. Rostal, R. Yates, **D.R. Brown**, E.R. Jacobson and P.A. Klein. 1999. Persistence of maternal antibodies against *Mycoplasma agassizii* in desert tortoise (*Gopherus agassizii*) hatchlings. *American Journal of Veterinary Research* 60:826-831.
27. Lackovich, J.K., **D.R. Brown**, B.L. Homer, R.L. Garber, D.R. Mader, R.H. Moretti, A.D. Patterson, L.H. Herbst, J. Oros, E.R. Jacobson and P.A. Klein. 1999. Association of a chelonian herpesvirus with fibropapillomatosis of green turtles *Chelonia mydas* and loggerhead turtles *Caretta caretta*. *Diseases of Aquatic Organisms* 37:89-97.
28. Orós, J., J.K. Lackovich, E.R. Jacobson, **D.R. Brown**, A. Torrent, S. Tucker and P.A. Klein. 1999. Fibropapilomas cutáneos y fibromas viscerales en una tortuga verde (*Chelonia mydas*). [Cutaneous fibropapillomas and visceral fibromas in a green sea turtle (*Chelonia mydas*)] *Revista Española de Herpetología [Spanish Journal of Herpetology]* 13:17-26.
29. **Brown, D.R.**, J.K. Lackovich and P.A. Klein. 1999. Further evidence for absence of papillomavirus from sea turtle fibropapillomas. *The Veterinary Record* 145:616-617.
30. McLaughlin, G.S., E.R. Jacobson, **D.R. Brown**, C.E. McKenna, I.M. Schumacher, H.P. Adams, M.B. Brown and P.A. Klein. 2000. Pathology of upper respiratory tract disease of gopher tortoises in Florida. *Journal of Wildlife Diseases* 36:272-283.
31. Curry, S.S., **D.R. Brown**, J.M. Gaskin, E.R. Jacobson, L.M. Ehrhart, S. Blahak, L.H. Herbst and P.A. Klein. 2000. Persistent infectivity of a green turtle disease-associated herpesvirus after exposure to seawater. *Journal of Wildlife Diseases* 36:792-797.
32. Clippinger, T.L., R.A. Bennett, C.M. Johnson, K.A. Vliet, S.L. Deem, J. Oros, E.R. Jacobson, I.M. Schumacher, **D.R. Brown** and M.B. Brown. 2000. Morbidity and mortality associated with a new mycoplasma species from captive American alligators (*Alligator mississippiensis*). *Journal of Zoo and Wildlife Medicine* 31:303-314.
33. **Brown, D.R.**, D.F. Talkington, W.L. Thacker, M.B. Brown, D.L. Dillehay and J.G. Tully. 2001. *Mycoplasma microti* sp. nov., isolated from the respiratory tract of prairie voles (*Microtus ochrogaster*). *International Journal of Systematic and Evolutionary Microbiology* 51:409-412.
34. Coberley, S.S., L.H. Herbst, **D.R. Brown**, L.M. Erhart, D.A. Bagley, S.A. Schaf, R.H. Moretti, E.R. Jacobson and P.A. Klein. 2001. Detection of antibodies to a disease-associated herpesvirus in the green turtle *Chelonia mydas*. *Journal of Clinical Microbiology* 39:3572-3577.
35. Pye, G.W., **D.R. Brown**, M. F. Nogueira, K. A. Vliet, T. R. Schoeb, E. R. Jacobson and R. A. Bennett. 2001. Experimental inoculation of broad-nosed caimans (*Caiman latirostris*) and Siamese crocodiles (*Crocodylus siamensis*) with *Mycoplasma alligatoris*. *Journal of Zoo and Wildlife Medicine* 32:196-201.
36. **Brown, D.R.**, M. F. Nogueira, T. R. Schoeb, K. A. Vliet, R. A. Bennett, G. W. Pye and E. R. Jacobson. 2001. Pathology of experimental mycoplasmosis in American alligators. *Journal of Wildlife Diseases* 37:671-679.
37. **Brown, D.R.**, I.M. Schumacher, M.F. Nogueira, L.J. Richey, L.A. Zacher, T.R. Schoeb, K.A. Vliet, R.A. Bennett, E.R. Jacobson and M.B. Brown. 2001. Detection of antibodies to a pathogenic mycoplasma in American alligators (*Alligator mississippiensis*), broad-nosed caimans (*Caiman latirostris*), and Siamese crocodiles (*Crocodylus siamensis*). *Journal of Clinical Microbiology* 39:285-292.
38. **Brown, D.R.**, J.M. Farley, L.A. Zacher, J. M.-R. Carlton, T.L. Clippinger, J.G. Tully and M.B. Brown. 2001. *Mycoplasma alligatoris* sp. nov., a new species from American alligators. *International Journal of Systematic and Evolutionary Microbiology* 51:419-424.
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Applied and Environmental Microbiology	Journal of Basic Microbiology
Applied Herpetology	Journal of Clinical Microbiology
Archives of Microbiology	Journal of Herpetology
Biologicals	Journal of Microbiological Methods
BMC Genomics	Journal of Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases
BMC Microbiology	Journal of Veterinary Internal Medicine
BMC Research Notes	Journal of Veterinary Medical Education
BMC Veterinary Research	Journal of Veterinary Medicine Series B - Infectious Diseases and Veterinary Public Health
Cellular Microbiology	Journal of Wildlife Diseases
Clinical and Vaccine Immunology	Journal of Zoo and Wildlife Medicine
Clinical Infectious Diseases	Letters in Applied Microbiology
Diagnostic Microbiology and Infectious Disease	Microbiology
Evolutionary Bioinformatics	Molecular Microbiology
FEMS Immunology and Medical Microbiology	Open Biology
Infection and Immunity	Parasitology Research
Infection Genetics and Evolution	Pathogens and Disease
International Journal of Systematic and Evolutionary Microbiology	PLoS One
International Society for Microbial Ecology (ISME) Journal	Research in Microbiology
Journal of the American Association for Laboratory Animal Science	Standards in Genomic Sciences
Journal of the American Veterinary Medical Association	Systematic and Applied Microbiology Vaccine
Journal of Antimicrobial Chemotherapy	Veterinary Immunology and Immunopathology
Journal of Applied Microbiology	Veterinary Microbiology
	Virology: Research and Treatment

Book chapter reviewing

Reviewed chapters of microbiology textbooks published by Benjamin-Cummings, Jones and Bartlett, McGraw-Hill, and Wiley.

Editorial service

Editorial Advisory Board, *Veterinary Immunology and Immunopathology* (Elsevier), 2010 – present; *Bergey's Manual of Systematic Bacteriology* (Bergey's Trust), Associate Editor for Phylum *Tenericutes*, 2008 – present; Board of Scientific Reviewers, *American Journal of Veterinary Research* (American Veterinary Medical Association), 2002 – 2005

Scheduled classroom teaching:

ANS 213	Animal Genetics	University of Arizona
BSC 1404	Introduction to Biotechnology Methods	Santa Fe College
BSC 1421	Introduction to Biotechnology	Santa Fe College
BSC 2005	General Biology	Santa Fe College
BSC 2426	Biotechnology Methods I	Santa Fe College
BSC 2427	Biotechnology Methods II	Santa Fe College
MCB 2010	Introduction to Microbiology	Santa Fe College
MCB 2010L	Microbiology Laboratory	Santa Fe College
VEM 5141	Veterinary Microbiology	University of Florida

Trainees:Graduate students

<u>Role</u>	<u>Student</u>	<u>Research Topic</u>	<u>Home Department</u>	<u>Complete Date</u>
Co-Chair (50%), Ph.D. Committee	Joyce Merritt	<i>Mycoplasma</i> immunodiagnosis	Infectious Diseases & Pathology	2000 – 2002, withdrew 8/2002
Chair, Master's Committee	Niora Fabian	Immune-dominant mycoplasma antigens	Infectious Diseases & Pathology	2010
Member, Ph.D. Committees	Alexandra Burne	Invertebrate models for virulence testing of mycoplasmas	Infectious Diseases & Pathology	current
	Chung- Hsin Fan	HIV - TLR4 interactions	Infectious Diseases & Pathology	2013 – 2014, withdrew 7/2014
	Ayman Allam	Extracellular proteases of <i>Mycoplasma mycoides</i>	Infectious Diseases & Pathology	2010
	Caro Perez- Heydrich	Respiratory disease transmission in tortoises	Infectious Diseases & Pathology	2010
	Lori D. Wendland	Mycoplasma disease in gopher tortoises	Infectious Diseases & Pathology	2007
	Sadie Coberley	Herpesvirus and papillomatosis	Molecular Genetics & Microbiology	2002
Member, Master's Committees	Melissa Clark	<i>Mycoplasma</i> diagnostics	Infectious Diseases & Pathology	2009
	Joel Lackovich	Herpesvirus and papillomatosis	Biotechnology/Medical Sciences	1998

Ph.D. thesis examiner

2014 Muhammad A. Shahid, University of Melbourne (Australia)

Graduate student lab rotations

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2012 Lara Ianov (UF Genetics and Genomics)

Postdoctoral

2010 – 2013 Pollob K. Shil, D.V.M., Ph.D.

2006 – 2010 Meghan A. May, Ph.D. (Recipient of the 2008 Louis Dienes Prize for outstanding research by a postdoctoral fellow at the 17th International Congress of the International Organization for Mycoplasmaology, Tianjin, China)

Resident research

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1999 Márcia Furlan Nogueira, College of Veterinary Medicine, University of São Paulo, Botucatu SP, Brazil

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Caitlin Leibowitz, Jeffrey Leibowitz, Amber Wolff

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