





Michael J. Dark

Executive Director, Veterinary Diagnostic Laboratories

Curriculum Vitae
June 29, 2022

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Education

Degrees

2008	Ph.D. - Veterinary Microbiology and Pathology Washington State University	Pullman, WA
2001	D.V.M. Michigan State University	East Lansing, MI
1999	B.S. - Veterinary Medicine Michigan State University	East Lansing, MI

Other Training

2016	Veterinary Communication Project Faculty Development Program Institute for Healthcare Communication
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Board Certification

2011	American College of Veterinary Pathology Diplomate
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Employment

2019-Present	Executive Director, Veterinary Diagnostic Laboratories University of Florida College of Veterinary Medicine	Gainesville, FL
2016-2019	Clinical Associate Professor University of Florida College of Veterinary Medicine	Gainesville, FL
2009-2016	Clinical Associate Professor University of Florida College of Veterinary Medicine	Gainesville, FL
2001-2008	Post-DVM Graduate Research Assistant Washington State University College of Veterinary Medicine	Pullman, WA
2001-2002	Associate Veterinarian Animal Emergency Hospital of Kent County	Grand Rapids, MI

Professional Licensure

Veterinarian	State of Florida VM10814	2009-Present
Veterinarian	State of Washington VT00006950	2002-2008
Veterinarian	State of Michigan 6901008638	2001-2002

Honors and Awards

2018	Barbara Jean Thompson Award for Outstanding Service Davis-Thompson Foundation
2015	Special Achievement Award for Research Teams, Laboratories or Agencies Florida Entomological Society
2006	Graduate student travel grant American Society of Rickettsiology national meeting, Asilomar, CA

- 2006 **Graduate student travel grant**
First International Symposium on the Comparative Biology of the Alphaproteobacteria, Blacksburg, VA
- 2001 **Dr. Robert F. Langham Diagnostic Pathology Award**
Michigan State University College of Veterinary Medicine
- 2000 **Best Graduate Student Presentation**
39th Annual North Central Conference of Veterinary Laboratory Diagnosticians, East Lansing, MI

Publications

Journal Articles

- Diehl, B., Grosso, F., Iredale, M., Dark, M. J., & Cabrera, C. (2022). Congenital hypospadias and vertebral malformation in a barbados blackbelly neonate. *Clinical Theriogenology*, *14*, 47.
- Engelien, J. L., Lejeune, A. T., Dark, M. J., Milner, R. J., & Shiomitsu, K. (2022). RNA in situ hybridisation as a molecular diagnostic technique targeting IBA-1 and CD204 in canine histiocytic sarcoma. *Veterinary Medicine and Science*. <https://doi.org/10.1002/vms3.795>
- Hobbs, K. J., Porter, E., Wait, C., Dark, M., & MacKay, R. J. (2022). Magnetic resonance imaging of the normal equine pituitary gland. *Veterinary Radiology & Ultrasound*. <https://doi.org/10.1111/vru.13072>
- Rai, T., Morisi, A., Bacci, B., Bacon, N. J., Dark, M. J., Aboellail, T., Thomas, S. A., Bober, M., La Ragione, R., & Wells, K. (2022). Deep learning for necrosis detection using canine perivascular wall tumour whole slide images. *Scientific Reports*, *12*(1), 10634. <https://doi.org/10.1038/s41598-022-13928-1>
- Cascio, M. J., Whitley, E. M., Sahay, B., Cortes-Hinojosa, G., Chang, L.-J., Cowart, J., Salute, M., Sayour, E., Dark, M., Sandoval, Z., Mitchell, D. A., & Milner, R. J. (2021). Canine osteosarcoma checkpoint expression correlates with metastasis and t-cell infiltrate. *Veterinary Immunology and Immunopathology*, *232*, 110169. <https://doi.org/10.1016/j.vetimm.2020.110169>
- Fisher, C. J., Lejeune, A. T., Dark, M. J., Hernandez, O. M., & Shiomitsu, K. (2021). Evaluation of ponatinib in vitro effect in three canine mast cell tumor cell lines expressing FGFR-1, PDGFR-, and VEGFR-2. *Veterinary Journal (London, England : 1997)*, *269*, 105621. <https://doi.org/10.1016/j.tvjl.2021.105621>
- Meuten, D. J., Moore, F. M., Donovan, T. A., Bertram, C. A., Klopfeisch, R., Foster, R. A., Smedley, R. C., Dark, M. J., Milovancev, M., Stromberg, P., Williams, B. H., Aubreville, M., Avallone, G., Bolfa, P., Cullen, J., Dennis, M. M., Goldschmidt, M., Luong, R., Miller, A. D., ... Whitley, D. (2021). International guidelines for veterinary tumor pathology: A call to action. *Veterinary Pathology*, *58*(5), 766–794. <https://doi.org/10.1177/03009858211013712>
- Quesada, J., Londoño, L., Buckley, G. J., Dark, M. J., Colee, J. C., & Farina, L. L. (2021). Retrospective study of gross and histopathologic lesions associated with closed chest cardiopulmonary resuscitation in dogs. *The Journal of Small Animal Practice*, *62*(9), 750–755. <https://doi.org/10.1111/jsap.13349>
- Abed, F. M., Brown, M. A., Al-Mahmood, O. A., & Dark, M. J. (2020). SDHB and SDHA immunohistochemistry in canine pheochromocytomas. *Animals : An Open Access Journal from MDPI*, *10*(9). <https://doi.org/10.3390/ani10091683>
- Darby, S., Porter, E., Beatty, S. S. K., Dark, M. J., Smith, A., Toribio, R. E., & Gomez, D. E. (2020). Primary hyperparathyroidism in a quarter horse mare associated with a chief cell adenoma. *Journal of Equine Veterinary Science*, *95*, 103302. <https://doi.org/10.1016/j.jevs.2020.103302>
- Verpaalen, V. D., Case, J. B., Dark, M. J., Cardenas-Goicoechea, S. J., Winter, M. D., Boston, S. E., Garcia-Pereira, F., Rhoton-Vlasak, A. S., & Toskich, B. B. (2020). Feasibility and efficacy of ultrasonographic and laparoscopic guidance for microwave ablation of clinically normal canine ovaries. *American Journal of Veterinary Research*, *81*(9), 747–754. <https://doi.org/10.2460/ajvr.81.9.747>
- Whipple, K. M., Kieran, E. A., Dark, M. J., & Beatty, S. S. (2020). What is your diagnosis? Cutaneous mass from a shar-pei dog. *Veterinary Clinical Pathology*, *49*(2), 365–366. <https://doi.org/10.1111/vcp.12854>
- Coffman, J. M., McConkey, M., Ellison, G., Huynh, E., & Dark, M. J. (2019). Complete urogenital and anorectal duplication in a dog. *Case Reports in Veterinary Medicine*, *2019*, 3696978. <https://doi.org/10.1155/2019/3696978>
- Conrado, F. O., Dark, M. J., & Beatty, S. S. K. (2019). Pathology in practice. *Journal of the American Veterinary Medical Association*, *255*(3), 309–312. <https://doi.org/10.2460/javma.255.3.309>
- Conrado, F. O., Spoldi, E., Kieran, E. A., Dark, M. J., & Leissingner, M. K. (2019). Fine-needle aspirate of a large mass in the ventral peritoneal space of a dog. *Veterinary Clinical Pathology*, *48*(2), 355–357. <https://doi.org/10.1111/vcp.12716>
- Herman, E. J., Stern, A. W., Fox, R. J., & Dark, M. J. (2019). Understanding the efficiency of splenic hemangiosarcoma diagnosis using monte carlo simulations. *Veterinary Pathology*, *56*(6), 856–859. <https://doi.org/10.1177/0300985819868732>

17. Oramas, A., Case, J. B., Toskich, B. B., Fox-Alvarez, W. A., Boston, S. E., Giglio, R. F., & Dark, M. J. (2019). Laparoscopic access to the liver and application of laparoscopic microwave ablation in 2 dogs with liver neoplasia. *Veterinary Surgery : VS*, 48(S1), O91–O98. <https://doi.org/10.1111/vsu.13153>
18. Sahay, B., Aranyos, A. M., Mishra, M., McAvoy, A. C., Martin, M. M., Pu, R., Shiomitsu, S., Shiomitsu, K., Dark, M. J., Sanou, M. P., Roff, S. R., Rathore, M. H., & Yamamoto, J. K. (2019). Immunogenicity and efficacy of a novel multi-antigenic peptide vaccine based on cross-reactivity between feline and human immunodeficiency viruses. *Viruses*, 11(2). <https://doi.org/10.3390/v11020136>
19. Dornbusch, J. A., Lewis, D. D., Winter, M. D., & Dark, M. J. (2018). Atypical stenosing tenosynovitis of the abductor pollicis longus ascribed to proliferative fibrosis of the extensor retinaculum in a 10-year-old french bulldog. *Australian Veterinary Practitioner*, 48(1), 14.
20. Levings, R. S. W., Broome, T. A., Smith, A. D., Rice, B. L., Gibbs, E. P., Myara, D. A., Hyddmark, E. V., Nasri, E., Zarezadeh, A., Levings, P. P., Lu, Y., White, M. E., Dacanay, E. A., Foremny, G. B., Evans, C. H., Morton, A. J., Winter, M., Dark, M. J., Nickerson, D. M., ... Ghivizzani, S. C. (2018). Gene therapy for osteoarthritis: Pharmacokinetics of intra-articular self-complementary adeno-associated virus interleukin-1 receptor antagonist delivery in an equine model. *Human Gene Therapy. Clinical Development*, 29(2), 90–100. <https://doi.org/10.1089/humc.2017.142>
21. Levings, R. S. W., Smith, A. D., Broome, T. A., Rice, B. L., Gibbs, E. P., Myara, D. A., Hyddmark, E. V., Nasri, E., Zarezadeh, A., Levings, P. P., Lu, Y., White, M. E., Dacanay, E. A., Foremny, G. B., Evans, C. H., Morton, A. J., Winter, M., Dark, M. J., Nickerson, D. M., ... Ghivizzani, S. C. (2018). Self-complementary adeno-associated virus-mediated interleukin-1 receptor antagonist gene delivery for the treatment of osteoarthritis: Test of efficacy in an equine model. *Human Gene Therapy. Clinical Development*, 29(2), 101–112. <https://doi.org/10.1089/humc.2017.143>
22. Prakoso, D., Dark, M. J., Barbet, A. F., Salemi, M., Barr, K. L., Liu, J. J., Wenzlow, N., Waltzek, T. B., & Long, M. T. (2018). Viral enrichment methods affect the detection but not sequence variation of west nile virus in equine brain tissue. *Frontiers in Veterinary Science*, 5, 318. <https://doi.org/10.3389/fvets.2018.00318>
23. Eiden, A. L., Kaufman, P. E., Oi, F. M., Dark, M. J., Bloomquist, J. R., & Miller, R. J. (2017). Determination of metabolic resistance mechanisms in pyrethroid-resistant and fipronil-tolerant brown dog ticks. *Medical and Veterinary Entomology*, 31(3), 243–251. <https://doi.org/10.1111/mve.12240>
24. Payne, C. L., Dark, M. J., Conway, J. A., & Farina, L. L. (2017). A retrospective study of the prevalence of calcium oxalate crystals in veterinary aspergillus cases. *Journal of Veterinary Diagnostic Investigation : Official Publication of the American Association of Veterinary Laboratory Diagnosticians, Inc*, 29(1), 51–58. <https://doi.org/10.1177/1040638716672254>
25. Rousselet, E., Souza, C. H. D. M., Wellehan, J. F. X., Epperson, E. D., Dark, M. J., & Wamsley, H. L. (2017). Cutaneous iridophoroma in a green iguana (iguana iguana). *Veterinary Clinical Pathology*, 46(4), 625–628. <https://doi.org/10.1111/vcp.12536>
26. Yang, T., Case, J. B., Boston, S., Dark, M. J., & Toskich, B. (2017). Microwave ablation for treatment of hepatic neoplasia in five dogs. *Journal of the American Veterinary Medical Association*, 250(1), 79–85. <https://doi.org/10.2460/javma.250.1.79>
27. Abed, F. M., & Dark, M. J. (2016). Determining the utility of veterinary tissue archives for retrospective DNA analysis. *PeerJ*, 4, e1996. <https://doi.org/10.7717/peerj.1996>
28. Noh, S. M., Dark, M. J., Reif, K. E., Ueti, M. W., Kappmeyer, L. S., Scoles, G. A., Palmer, G. H., & Brayton, K. A. (2016). Superinfection exclusion of the ruminant pathogen anaplasma marginale in its tick vector is dependent on the time between exposures to the strains. *Applied and Environmental Microbiology*, 82(11), 3217–3224. <https://doi.org/10.1128/AEM.00190-16>
29. Taylor, K. R., Garner, M. M., Russell, K., Epperson, E. D., Grodi, H. A., Roff, S. R., Dumonceaux, G. A., Struthers, J. D., Dark, M. J., & Abbott, J. R. (2016). Chordomas at high prevalence in the captive population of the endangered perdido key beach mouse (peromyscus polionotus trissyllepsis). *Veterinary Pathology*, 53(1), 163–169. <https://doi.org/10.1177/0300985815575051>
30. Craft, W. F., Conway, J. A., & Dark, M. J. (2014). Comparison of histomorphology and DNA preservation produced by fixatives in the veterinary diagnostic laboratory setting. *PeerJ*, 2, e377. <https://doi.org/10.7717/peerj.377>
31. Kelly, P. J., Lucas, H. M., Randolph, C. M., Ackerson, K., Blackburn, J. K., & Dark, M. J. (2014). Efficacy of slow-release tags impregnated with aggregation-attachment pheromone and deltamethrin for control of amblyomma variegatum on st. Kitts, west indies. *Parasites & Vectors*, 7, 182. <https://doi.org/10.1186/1756-3305-7-182>
32. Miller, J. L., & Dark, M. J. (2014). Evaluation of the effect of formalin fixation on skin specimens in dogs and cats. *PeerJ*, 2, e307. <https://doi.org/10.7717/peerj.307>

33. Dark, M. J. (2013). Whole-genome sequencing in bacteriology: State of the art. *Infection and Drug Resistance*, 6, 115–123. <https://doi.org/10.2147/IDR.S35710>
34. Leone, A., Dark, M., Kondo, H., Rotstein, D. S., Kiupel, M., Walsh, M. T., Erlacher-Reid, C., Gordon, N., & Conway, J. A. (2013). GASTROINTESTINAL LEIOMYOSARCOMA IN A PYGMY SPERM WHALE (KOGIA BREVICEPS). *Journal of Zoo and Wildlife Medicine*, 44(3), 744–748. <https://doi.org/10.1638/2012-0147r.1>
35. Watson, R. S., Broome, T. A., Levings, P. P., Rice, B. L., Kay, J. D., Smith, A. D., Gouze, E., Gouze, J.-N., Dacanay, E. A., Hauswirth, W. W., Nickerson, D. M., Dark, M. J., Colahan, P. T., & Ghivizzani, S. C. (2013). scAAV-mediated gene transfer of interleukin-1-receptor antagonist to synovium and articular cartilage in large mammalian joints. *Gene Therapy*, 20(6), 670–677. <https://doi.org/10.1038/gt.2012.81>
36. Dark, M. J., Lundgren, A. M., & Barbet, A. F. (2012). Determining the repertoire of immunodominant proteins via whole-genome amplification of intracellular pathogens. *PLoS One*, 7(4), e36456. <https://doi.org/10.1371/journal.pone.0036456>
37. Hostnik, E. T., Wickins, S. C., Conway, J. A., & Dark, M. J. (2012). Ocular and olfactory forebrain abnormalities within a neonatal alpaca (vicugna pacos). *The Journal of Veterinary Medical Science*, 74(7), 945–947. <https://doi.org/10.1292/jvms.11-0558>
38. Pierl'e, S. A., Dark, M. J., Dahmen, D., Palmer, G. H., & Brayton, K. A. (2012). Comparative genomics and transcriptomics of trait-gene association. *BMC Genomics*, 13, 669. <https://doi.org/10.1186/1471-2164-13-669>
39. Smith, K. M., Clark, C. K., Dark, M. J., Kiupel, M., & Gary, J. (2012). T cell rich, b cell lymphoma in the small colon of a yearling horse. *Equine Veterinary Education*, 25(2), 74–78. <https://doi.org/10.1111/j.2042-3292.2012.00398.x>
40. Dark, M. J., Al-Khedery, B., & Barbet, A. F. (2011). Multistrain genome analysis identifies candidate vaccine antigens of anaplasma marginale. *Vaccine*, 29(31), 4923–4932. <https://doi.org/10.1016/j.vaccine.2011.04.131>
41. Dark, M. J., Herndon, D. R., Kappmeyer, L. S., Gonzales, M. P., Nordeen, E., Palmer, G. H., Knowles, D. P., & Brayton, K. A. (2009). Conservation in the face of diversity: Multistrain analysis of an intracellular bacterium. *BMC Genomics*, 10, 16. <https://doi.org/10.1186/1471-2164-10-16>
42. Fidel, J. L., Pargass, I. S., Dark, M. J., & Holmes, S. P. (2008). Granulocytopenia associated with thymoma in a domestic shorthaired cat. *Journal of the American Animal Hospital Association*, 44(4), 210–217. <https://doi.org/10.5326/0440210>
43. Futse, J. E., Brayton, K. A., Dark, M. J., Knowles, D. P., & Palmer, G. H. (2008). Superinfection as a driver of genomic diversification in antigenically variant pathogens. *Proceedings of the National Academy of Sciences of the United States of America*, 105(6), 2123–2127. <https://doi.org/10.1073/pnas.0710333105>
44. McKune, C. M., Brosnan, R. J., Dark, M. J., & Haldorson, G. J. (2008). Safety and efficacy of intramuscular propofol administration in rats. *Veterinary Anaesthesia and Analgesia*, 35(6), 495–500. <https://doi.org/10.1111/j.1467-2995.2008.00418.x>
45. Nelson, D. D., Dark, M. J., Bradway, D. S., Ridpath, J. F., Call, N., Haruna, J., Rurangirwa, F. R., & Evermann, J. F. (2008). Evidence for persistent bovine viral diarrhoea virus infection in a captive mountain goat (*Oreamnos americanus*). *Journal of Veterinary Diagnostic Investigation : Official Publication of the American Association of Veterinary Laboratory Diagnosticians, Inc*, 20(6), 752–759. <https://doi.org/10.1177/104063870802000606>
46. Lopez, J. E., Palmer, G. H., Brayton, K. A., Dark, M. J., Leach, S. E., & Brown, W. C. (2007). Immunogenicity of anaplasma marginale type IV secretion system proteins in a protective outer membrane vaccine. *Infection and Immunity*, 75(5), 2333–2342. <https://doi.org/10.1128/IAI.00061-07>
47. Noh, S. M., Brayton, K. A., Knowles, D. P., Agnes, J. T., Dark, M. J., Brown, W. C., Baszler, T. V., & Palmer, G. H. (2006). Differential expression and sequence conservation of the anaplasma marginale msp2 gene superfamily outer membrane proteins. *Infection and Immunity*, 74(6), 3471–3479. <https://doi.org/10.1128/IAI.01843-05>
48. Brayton, K. A., Kappmeyer, L. S., Herndon, D. R., Dark, M. J., Tibbals, D. L., Palmer, G. H., McGuire, T. C., & Knowles, D. P. (2005). Complete genome sequencing of anaplasma marginale reveals that the surface is skewed to two superfamilies of outer membrane proteins. *Proceedings of the National Academy of Sciences of the United States of America*, 102(3), 844–849. <https://doi.org/10.1073/pnas.0406656102>
49. Bell, T. G., Butler, K. L., Sill, H. B., Stickle, J. E., Ramos-Vara, J. A., & Dark, M. J. (2002). Autosomal recessive severe combined immunodeficiency of jack russell terriers. *Journal of Veterinary Diagnostic Investigation : Official Publication of the American Association of Veterinary Laboratory Diagnosticians, Inc*, 14(3), 194–204. <https://doi.org/10.1177/104063870201400302>
50. Meek, K., Kienker, L., Dallas, C., Wang, W., Dark, M. J., Venta, P. J., Huie, M. L., Hirschhorn, R., & Bell, T. (2001). SCID in jack russell terriers: A new animal model of DNA-PKcs deficiency. *Journal of Immunology (Baltimore, Md. : 1950)*, 167(4), 2142–2150. <https://doi.org/10.4049/jimmunol.167.4.2142>

Book Chapters

1. Dark, M. J. (2013). Mycobacterial species. In *Foodborne infections and intoxications* (pp. 337–342). Elsevier. <https://doi.org/10.1016/b978-0-12-416041-5.00024-x>
2. Brayton, K. A., Dark, M. J., & Palmer, G. H. (2009). Anaplasma. In V. Nene & C. Kole (Eds.), *Genome mapping and genomics in animal-associated microbes* (pp. 85–116). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-540-74042-1_3

Teaching Experience

University of Florida, Gainesville, FL

VEM 5571	Emerging Diseases Issues Lecturer <ul style="list-style-type: none"> ➤ An overview of the pathologist's role in emerging diseases, as well as information about the intersection of politics and science in emerging diseases. ➤ Review of animal agricultural bioterrorism ➤ Two classroom contact hours per semester, approximately 25 students per class 	2009-Present
VEM 5165	Large Animal Pathology Lecturer <ul style="list-style-type: none"> ➤ A review of diseases of porcine pathology, with a focus on diseases important for boards. ➤ Four classroom contact hours per semester, approximately 30 students per class 	2010-Present
VEM 5115	Introduction to Histology and Embryology Lecturer <ul style="list-style-type: none"> ➤ Team-taught the introduction to histology ➤ Covered an introduction to microscopy, epithelium, glands, connective tissue, bone, and skin ➤ A total of 5 classroom contact hours and 16 laboratory hours with 120 students 	2014 – 2020
	USDA Foreign Animal and Emerging Disease Awareness Course Coordinator <ul style="list-style-type: none"> ➤ Coordinated UF contributions to this three-day course ➤ Hosted bovine and avian necropsy wetlabs for 50 individuals each ➤ Out of 33 total course evaluations, 28 evaluated the necropsy wet lab ➤ Mean score – 4.6 out of 5 ➤ The lab was ranked as the most beneficial part of the course by 10 	June 2013
VEM 5162	Systemic Pathology Lecturer <ul style="list-style-type: none"> ➤ Hepatic and pancreatic pathology, including common diseases, pathophysiology, and clinical signs. ➤ Three classroom contact hours and four laboratory contact hours per semester, approximately 115 students per class 	2010-2019
VEM 5162	Systemic Pathology Lecturer <ul style="list-style-type: none"> ➤ Musculoskeletal and reproductive pathology, including common diseases, pathophysiology, and clinical signs. ➤ Three classroom contact hours and four laboratory contact hours per semester, approximately 115 students per class 	2015-2019
VEM 5164	Small Animal Pathology Lecturer <ul style="list-style-type: none"> ➤ A review of hepatic and pancreatic pathology, including common diseases, pathophysiology, and clinical signs. ➤ Two classroom contact hours per semester, approximately 70 students per class 	2009-2019

Washington State University, Pullman, WA

Diagnostic Challenges	VM 546 Facilitator <ul style="list-style-type: none"> ➤ Coordinated cases with non-veterinarian clients ➤ Assisted students in formulating differential diagnoses and learning issues ➤ Reviewed and graded student performance ➤ Approximately twelve contact hours per year – two groups a semester with four to five students per group 	2004-2007, 2013-2017, 2020
VM 536	Veterinary Bacteriology and Mycology Lecturer <ul style="list-style-type: none"> ➤ Normal gastrointestinal defenses, Escherichia coli, Salmonella spp., and Campylobacter jejuni ➤ Three contact hours per semester, approximately 100 students per class 	2005-2007
VM 546	Systemic Pathology Gross Laboratory Lecturer <ul style="list-style-type: none"> ➤ Introduction, lymphatic system, review lab ➤ Twelve contact hours – four laboratory sections, each with 25 students 	2007
VM 546	Systemic Pathology Gross Laboratory Lecturer <ul style="list-style-type: none"> ➤ Taught all labs, co-wrote and administered the laboratory final ➤ Sixty contact hours – four laboratory sections, each with 25 students 	2004

Graduate Students

Ph.D. Advisor	Firas Abed, Ph.D. Department of Infectious Diseases and Pathology	2014 – 2019
Committee member	Lydia Sixta, M.S. Candidate Department of Small Animal Clinical Sciences <ul style="list-style-type: none"> ➤ Major Advisor – Rowen Milner 	2020 - current
Committee member	Eric Mccown, Ph.D. Candidate Department of Infectious Diseases and Pathology <ul style="list-style-type: none"> ➤ Major Advisor – Anthony F. Barbet / Maureen Long 	2013 - current
Committee member	Jeffrey Hertz, Ph.D. Department of Entomology and Nematology <ul style="list-style-type: none"> ➤ Major Advisor – Phil Kaufman 	2014 - 2016
Committee member	Katherine Saylor, Ph.D. Department of Infectious Diseases and Pathology <ul style="list-style-type: none"> ➤ Major Advisor – Anthony F. Barbet 	2014
Committee member	Junjie Liu, Ph.D. Department of Infectious Diseases and Pathology <ul style="list-style-type: none"> ➤ Major Advisor – Maureen Long 	2012-2017
Committee member	Liliana Crosby, Ph.D. Department of Infectious Diseases and Pathology <ul style="list-style-type: none"> ➤ Major Advisor – Anthony F. Barbet 	2009-2014
Committee member	Amanda Eiden, Ph.D. Department of Entomology and Nematology <ul style="list-style-type: none"> ➤ Major Advisor – Phil Kaufman 	2010-2013

Presentations and Invited Lectures

Presentations

August 2010	Multistrain Analysis of Anaplasma marginale American Society for Rickettsiology ➤ Dark, M.J., A.F. Barbet	Stevenson, WA
May 2008	Characterization of genes implicated in rickettsial tick transmission Fifth International Meeting on Rickettsia and Rickettsial Diseases ➤ Dark, M.J.	Marseille, France
September 2006	Comparative genomics of Anaplasma marginale strains American Society for Rickettsiology ➤ Dark, M.J.	Asilomar, CA
June 2000	SNP-based analysis of a SCID Defect in a Family of Jack Russell terriers 39th Annual North Central Conference of Veterinary Laboratory Diagnosticians ➤ Dark, M.J., P. Venta, T.G. Bell, and K.A. Meek	East Lansing, MI
October 1999	An epidemiological study of Mycobacterium paratuberculosis in Michigan livestock 42nd Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians ➤ Dark, M.J., J. Kaneene, T. Bell, R. Walker, M. Bowman, and B. Steficek	San Diego, CA

Invited Lectures

September 2021	Standardization of Veterinary Oncologic Pathology - Part II Davis-Thompson Foundation and American College of Veterinary Pathologists ➤ Introduction to Synoptic Reporting	via Zoom
September 2021	Standardization of Veterinary Oncologic Pathology - Part I Davis-Thompson Foundation and American College of Veterinary Pathologists	via Zoom
July 2021	Standardization of Veterinary Oncologic Pathology - Synoptic Reporting Congresso Brasileiro de Patologia Veterinária and Davis-Thompson Foundation	Brazil (via Zoom)
July 2019	Annual Gross Pathology of Domestic Animals Course Davis-Thompson Foundation ➤ Course Coordinator and Presenter	Gainesville, FL
May 2010	Necropsy Techniques for Forensic Scientists International Veterinary Forensic Science Association	Orlando, FL

University Service

2020 – Present	UF CVM Hospital Board
2020 – Present	UF CVM Hospital Management Committee
2016–2019	University Infrastructure Committee
2009–2012, 2018–2019	College Research Committee
2010–2019	College Information Technology Committee
2015–2016	College Information Technology Committee Chair
2010–2019	Anatomic Pathology Resident Research Coordinator
2013–2019	University Faculty Senate Information Technology Advisory Subcommittee
2015–2019	University Faculty Senate - Senator
2016–2019	Anatomic Pathology Service Chief
2015–2018	College Resident and Internship Committee
2016	University Student Technology Fee Grant Committee
2015–2016	Anatomic Pathology Resident Coordinator
2012–2015	College Awards and Scholarship Committee
2014–2018	Class of 2018 Faculty Advisor

Grants

- 2015-2020 **Co-Investigator for NIH grant AI042792, 5% FTE**
 “Tick Mammal Interface of Human Granulocytic Anaplasmosis”
 ➤ Ulrike Munderloh PI, \$3,083,868 total cost
- 2014-2017 **Co-Investigator for Department of Defense grant PR130999, 5% FTE**
 “Gene Therapy for Prost-traumatic Osteoarthritis”
 ➤ Steve Ghivizzani PI, \$500,000 direct costs per year
- 2010-2012 **Primary investigator for USDA TSTAR grant**
 “Improved surveillance and control for the tropical bont tick *Amblyomma americanum*”
- 2005-2008 **Primary investigator for NIH grant K08-AI064162**
 “Anaplasma marginale genes determining tick transmission.”
 ➤ Direct costs: \$380,381 total
- 2004-2005 **Trainee under NIH T32-AI07025 Immunology Training Grant**

Professional Service

Professional Organizations

- 2017-2025 **Davis-Thompson Foundation**
 Member, Board of Directors
 ➤ Migrated Noah’s Arkive and established whole-slide imaging archive
- 2021-Present **Veterinary Cancer Guidelines and Protocols**
 Member, Board of Directors
- 2022-present **Editorial Board of Infectious Agents and Disease**
 Review Editor
 ➤ Frontiers in Medicine, Frontiers in Public Health, and Frontiers in Microbiology

Ad-hoc Peer Review:

- Medical and Veterinary Entomology
- Frontiers in Veterinary Science
- Veterinary Pathology
- Vaccine
- Veterinary Parasitology
- Equine Veterinary Journal
- Molecular Biology Reports
- Parasites and Vectors
- Vaccines: Benefits and Risks
- PLoS ONE
- Revista Brasileira de Parasitologia Veterinária
 (Brazilian Journal of Veterinary Parasitology)
- American Journal of Veterinary Research
- BMC Bioinformatics
- International Journal Of Biotechnology
- British Microbiology Research Journal
- BMC Research Notes
- Journal of Emerging Investigators
- Parasites and Vectors
- Epidemiology and Infection
- Veterinary Medicine: Research and Reports
- Drug Design, Development and Therapy
- Biotechnic & Histochemistry
- International Journal of Molecular Sciences
- Clinical Case Reports
- Journal of Small Animal Practice
- Ciência Rural
- Cancers
- Applied Sciences
- Animals
- Veterinary Surgery

Ad-hoc Grant Reviews

- US / Israel Binational Agricultural Research and Development Fund
- Horserace Betting Levy Board Veterinary Advisory Committee (UK)

External Promotion Reviewer

- Washington State University