

Curriculum Vitae

NAME: CARYN E. PLUMMER
DATE & PLACE OF BIRTH: 22 March 1976, Orlando, FL, USA

PRESENT ADDRESS:
Current Employment: College of Veterinary Medicine
Small Animal Clinical Sciences
University of Florida
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Gainesville, FL 32610-0126
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CURRENT POSITION: Associate Professor (with tenure), Comparative
Ophthalmology
College of Veterinary Medicine, University of Florida

EDUCATION

Institution	Dates Attended	Degree/Program
University of Florida Gainesville, FL	July 2004-July 2006	Ophthalmology Residency
Michigan State University East Lansing, MI	June 2002-June 2003	Internship/Instructorship
University of Florida Gainesville, FL	August 1998-May 2002	Doctor of Veterinary Medicine
Yale University New Haven, CT	August 1994-May 1997	Bachelor of Arts (Biology)

OTHER EDUCATIONAL EXPERIENCES

Institution	Date
University of Florida Clinical and Translational Science Institute Training and Professional Development Program 2017 Mentor Academy	2017

Achieved designation as a Master Mentor, June 2017

University of Florida Leadership Training Course
UF Academy: Emerging Leaders

August 2017- May 2018

ACADEMIC APPOINTMENTS

Associate Professor with Tenure, University of Florida	July 2014-present
Assistant Professor, University of Florida	July 2006-June 2014

ADMINISTRATIVE EXPERIENCE

Ophthalmology Service Chief	2012-2017
University of Florida College of Veterinary Medicine	
Ophthalmology Program Residency Coordinator	2006-2014; 2017-present
University of Florida College of Veterinary Medicine	

PREVIOUS PROFESSIONAL POSITIONS

Associate Ophthalmologist Animal Eye Associates Maitland, FL, USA	August 2008-April 2012
Resident, Comparative Ophthalmology College of Veterinary Medicine University of Florida, Gainesville, FL, USA	July 2004-July 2006
Relief Veterinarian, Small Animal Practice Lansing, East Lansing, MI, USA	January 2004-June 2004
Instructor School of Veterinary Medicine Purdue University, West Lafayette, IN, USA	July 2003-December 2003
Intern/Instructor - Small animal medicine and surgery College of Veterinary Medicine Michigan State University, East Lansing, MI, USA	June 2002-June 2003
Research Assistant - Ophthalmology University of Florida, College of Veterinary Medicine Department of Small Animal Clinical Sciences Gainesville, FL, USA	January 1999-December 2000

CURRENT RESEARCH PROJECTS & INTERESTS

Pharmacology and ocular drug delivery and penetration; Equine corneal disease and immune-mediated uveitis; Ocular surface disorders; Primary open angle glaucoma in the dog; New surgical techniques for equine corneal disease, corneal wound healing, canine & equine glaucoma, eyelid/facial reconstruction.

PUBLICATIONS

Refereed Manuscripts

Pending

Plummer CE, Bras D, Grozdanic S, Komaromy AM, McLellan G, Miller PE, Sapienza JS, Teixeira L, Webb T. Prophylactic Anti-glaucoma Therapy in Dogs with Primary Glaucoma: A Practitioner Survey of Current Medical Protocols. *Veterinary Ophthalmology* (Submitted).

Plummer CE, Martins BC, Boch C, Martinez PS, Boss CK, Carbia BE. Evaluation of Topically Applied Cross-linked Hyaluronic Acid (Remend®) on the Ocular Surface of Clinically Healthy Dogs. *Veterinary Ophthalmology* (Submitted).

Ramos RV, Johnson RD, Whitley RD, Gibson DJ, Nguyen CQ, Rothberg SJ, **Plummer CE**. Immunohistochemical mapping of corneal sensory innervation in mice: effects of Sjögren's Syndrome associated dry eye. *Am J Vet Res* (submitted).

Story BD, **Plummer CE**. Clinician's Brief Procedures Pro: How to perform a fundic examination. *Clinician's Brief* (submitted).

2020

88. Berkowski WM, Gibson D, Whitley RD, Schultz GS, **Plummer CE (corr)**. Development of a novel multi-species ex vivo corneal fibrosis model. *Am J Vet Res*. 2020 Jan;81(1):47-57. doi: 10.2460/ajvr.81.1.47.

2019

87. Komáromy AM, Bras D, Esson DW, Fellman RL, Grozdanic SD, Kagemann L, Miller PE, Moroi SE, **Plummer CE**, Sapienza JS, Storey ES, Teixeira LB, Toris CB, Webb TR. The future of canine glaucoma therapy. *Vet Ophthalmol*. 2019 May 20. doi: 10.1111/vop.12678.

86. Berkowski WM, **Plummer CE (corr)**, Whitley RD, Brooks DE. Equine ulcerative keratitis with furrow: A review of the outcomes of 72 cases from 1987 to 2015. *Equine Veterinary Journal*. *Equine Vet J*. 2019 Mar 18. doi: 10.1111/evj.13101.

85. Berkowski WM, **Plummer CE (corr)**, Ramos R, Czerwinski SL, Brooks DE, Gallagher AE. Fluoroscopically guided neocanalization for the treatment of nasolacrimal atresia in two horses. *Veterinary Ophthalmology* 2019 Feb 15. doi: 10.1111/vop.12653.

84. Dixon P, Christopher K, Hazra S, Maity N, **Plummer C**, Chauhan A. In vitro, ex vivo and in vivo implantation of cystine crystals and treatment by contact lens. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 2019; 562 (229-236).

2018

83. Black L, Martins BC, **Plummer CE**, Abbott JR, Leissinger MK. What is your diagnosis: Eyelid mass in a dog. *Veterinary Clinical Pathology* 2018 Jan 10. doi: 10.1111/vcp.12552.

82. O'Leary L, Specht A, Isaza N, Kallberg M, Barrie KP, Cottrell D, **Plummer C (corr)**. Amniotic membrane transplantation for ligneous conjunctivitis in a Doberman Pinscher. *Veterinary Ophthalmology* 2018 Feb 26. doi: 10.1111/vop.12559.

81. Berkowski WM, Gibson DJ, Proietto LR, Whitley RD, Schultz GS, **Plummer CE (corr)**. Assessment of topical therapies for improving the optical clarity following stromal wounding in a novel ex vivo canine corneal model. *Investigative Ophthalmology and Vision Science* 2018; 59(13):5509-5521. doi: 10.1167/iops.17-23085.

80. Proietto L, Beatty S, **Plummer CE (corr)**. Comparison of three corneal cytology collection methods for evaluating equine ulcerative keratitis: cytobrush, Kimura platinum spatula and handle edge of scalpel blade. *Veterinary Ophthalmology* 2018 Apr 24. doi: 10.1111/vop.12574.

2017

79. Martabano BB, Proietto LRP, Brooks DE, Whitley RD, Conway JA, Zoll WM, **Plummer CE (corr)**. Recurrent adnexal lymphoma in a horse. *Equine Vet Education* 2017. Doi: 10.1111/eve.12850.

78. **Plummer CE**. Corneal response to injury and infection in the horse. *Vet Clin North Am Equine Pract.* 2017; 33(3): 439-463.

77. Proietto LR, Whitley RD, Brooks DE, Schultz GS, Gibson DJ, Berkowski WM, Salute ME, **Plummer CE (corr)**. Development and assessment of a novel canine ex vivo corneal model. *Current Eye Research* 2017 Jan 27:1-9. doi: 10.1080/02713683.2016.1262428.

76. Monk CS, Jeong SY, Gibson DJ, **Plummer CE (corr)**. The presence of minocycline in the tear film of normal horses following oral administration and its anti-collagenase activity. *Veterinary Ophthalmology* 2017 Jun 9. doi: 10.1111/vop.12479.

75. Monk CS, Brooks DE, Granone T, Garcia-Pereira FL, Melesko A, **Plummer CE (corr)**. The effect of hoisting on the intraocular pressure of normal horses during general anesthesia. *Journal of Veterinary Anesthesia and Analgesia* 2017, Jan 11. pii: S1467-2987(17)30036-3. doi: 10.1016/j.vaa.2016.10.001.

74. Monk CS, Craft WF, Abbott JR, Farina LL, Reuss SM, Czerwinski SL, Brooks DE, **Plummer CE (corr)**. Clinical behavior of intraocular teratoid medulloepithelioma in two related Quarter Horses. *Veterinary Ophthalmology*.2017; 20(6): 551-559. 2016 Jul 20. doi: 10.1111/vop.12409.

2016

73. **Plummer CE**. Observations in ophthalmology: Diagnosing acute blindness in dogs. *Today's Veterinary Practice* November/December 2016; 18-23.

72. Palko JR, Morris HJ, Pan X, Harman CD, Koehl KL, Gelatt KN, **Plummer CE**, Komaromy AM, Liu J. Influence of age on ocular biomechanical properties in a canine glaucoma model with ADAMTS10 mutation. *PLOS One*. DOI:10.1371/journal.pone.0156466 June 6, 2016.

71. **Plummer CE**. Clinical View: Distichiasis. *Clinician's Brief* 2016, March: 39-41.

70. **Plummer CE**. Clinical View: Retinal Detachment. *Clinician's Brief* 2016, January: 28-30.

2015

69. Maxwell KM, **Plummer CE**, Brooks DE: The fungal plaque form of equine keratomycosis. *Journal of Veterinary Medicine and Animal Sciences* (2015): 3(2): 1-10; <http://dx.doi.org/10.7243/2054-3425-3-2>.

68. Hsu KH, Carbia BE, **Plummer C**, Chauhan A. Dual drug delivery from vitamin E loaded contact lenses for glaucoma therapy. *European Journal of Pharmaceutics and Biopharmaceutics*. 2015; 94: 312-321.

67. Bae JH, **Plummer CE**, Kim J, Kim MS, Lim NS. Continuous ophthalmic treatment using an osmotic pump in a bull calf following surgical removal of an ocular dermoid: A case report. *Veterinari Medicina* 2015; 60 (5): 282-287.

66. **Plummer CE**. Addressing brachycephalic ocular syndrome. *Today's Veterinary Practice* 2015; March/April: 34-39.

65. Martins BC, **Plummer CE (corr)**, Gelatt KN, Brooks DE, Czerwinski SL, Monk C, Greenberg SM, Mangan BG, Londono L, Bolfer L, Bandt C, Schaer M. Ophthalmic abnormalities secondary to periocular and ocular snakebite (pit vipers) in dogs – 11 cases (2012-2014). *Vet Ophthalmol*. 2015 Apr 24. doi: 10.1111/vop.12276. [Epub ahead of print]

64. Czerwinski SL, **Plummer CE (corr)**, Greenberg SM, Craft W, Conway J, Perez M, Cooke KL, Winter MD. Dynamic exophthalmos and lateral strabismus in a dog caused by masticatory muscle myositis. *Vet Ophthalmol*. 2015 Feb 26. doi: 10.1111/vop.12260. [Epub ahead of print]

63. Proietto LR, **Plummer CE**, Maxwell KM, Lamb KE, Brooks DE. A retrospective analysis of environmental risk factors for the diagnosis of deep stromal abscess in 390 horses in north central Florida from 1991-2013. *Veterinary Ophthalmol*. 2015 Jul 27. doi: 10.1111/vop.12297. [Epub ahead of print]

62. **Plummer CE**. The Year in Review (Ophthalmology): Pressure! So much pressure! *Advances in Small Animal Medicine and Surgery* 2015; 28(1): 1-3.

61. Greenberg SM, **Plummer CE (corr)**, Sledge D, Komina M, Craft S, Conway J. Bilateral microphthalmos with cyst in a newborn foal. *Vet Ophthalmol*. 2015 Jul 27. doi: 10.1111/vop.12299. [Epub ahead of print]

60. Gatson BJ, Pablo L, **Plummer CE**, Granone TD. Effects of premedication with sustained-release buprenorphine and anesthetic induction with ketamine or propofol in combination with diazepam on intraocular pressures of clinically healthy sheep. *Am J Vet Res*. 2015; 76(9): 771-9.

2014

59. **Plummer CE**. Equine orbital fat prolapse. *Equine Vet Educ* 2014; 26(11): 574-576.

58. Brooks DE, **Plummer CE**, Craft SLM, Struthers JD. Traumatic brain injury as optic neuritis in the horse: A commentary and clinical case. *Equine Vet Educ* 2014; 26 (10): 527-531.

57. Brooks DE, Gilger BC, **Plummer CE**, Hartley C, Donaldson D, Lavach JD, Karpinski LG. Surgical correction of lens luxation in the horse: visual outcomes. *Veterinary Medicine and Animal Sciences* 2014, <http://www.hoajonline.com/journals/pdf/2054-3425-2-2.pdf> Doi: 10.7243/2054-3425-2-2.

56. Brooks DE, **Plummer CE**, Carrastro SM, Utter ME. Visual outcomes of phacoemulsification cataract surgery in horse: 1990-2013. *Vet Ophthalmol* 2014; 17 (Suppl 1): 117-128. Apr 28. doi: 10.1111/vop.12168.

2013

55. Kuchtey J, Kunkel J, Esson D, Sapienza JS, Ward DA, **Plummer CE**, Gelatt KN, Kuchtey RW. Screening ADAMTS10 in dog populations supports Gly661Arg as the glaucoma-causing variant in Beagles. *Invest Ophthalmol Vis Sci*. 2013; 54(3): 1881-6.

54. Ben-Shlomo G, Brooks DE and **Plummer CE**. In Vitro efficacy and antiprotease activity of an antimicrobial ophthalmic drug combination against corneal pathogens of horses. *Vet Med Anim Sci*. 2013; 1(2); 1-4. <http://dx.doi.org/10.7243/2054-3425-1-2>.

53. Brock AP, Cortes-Hinojosa G, **Plummer CE**, Conway JA, Roff SR, Childress AL, Wellehan JFX. A novel gammaherpesvirus in a large flying fox (*Pteropus vampyrus*) with blepharitis. *J Vet Diagn Invest* 2013; 25(3): 433-7. doi: 10.1177/1040638713486645.

52. Brooks DE, **Plummer CE**, Mangan B, Ben-Shlomo G. Equine subepithelial keratomycosis. *Vet Ophthalmol* 2013; 16(2): 93-6.

51. Schnoke AT, Brooks DE, Wilkie DA, Dwyer AE, Matthews AG, Gilger BC, Hendrix DVH, Pickett JP, Grauwels M, Monroe C, **Plummer CE**. Extraocular lymphoma in the horse. *Vet Ophthalmol* 2013; 16(1): 35-42.

50. **Plummer CE**. Procedures Pro: Proptosis reduction. *Clinician's Brief* 2013; 67-71.

49. **Plummer CE**. Anisocoria - a diagnostic tree. *Clinician's Brief* 2013; 20-21.
48. Greenberg SM, **Plummer CE (corr)**, Maisenbacher HW, Friary JA, Berg A. The effect of topical 1% atropine on heart rate and rhythm in normal dogs. *Vet Ophthalmol*. 2015 Mar; 18(2): 105-8. *Vet Ophthalmol* 2013 Nov 27. doi: 10.1111/vop.12125. [Epub ahead of print]
47. Henriksen M, Andersen PH, Thomsen PD, Farina L, **Plummer CE**, Mangan BG, Heegaard S, Toft N, Brooks DE. Equine corneal deep abscesses (51 cases – 2004-2009) - PART 1: The clinical aspects with attention to the duration of the corneal disease, treatment history, clinical appearance and microbiology results. *Vet Ophthalmol*. 2013 Oct 17. doi: 10.1111/vop.12103. [Epub ahead of print]
46. Henriksen M, Andresen PH, Mietelka K, Thomsen PD, **Plummer CE**, Mangan BG, Heegaard S, Coleman JK, Toft N, Brooks DE. Equine deep stromal abscesses (51 cases – 2004-2009) - PART 2: The histopathology and immunohistochemical aspect with attention to the histopathologic diagnosis, vascular response and infectious agents. *Vet Ophthalmol* 2013 Oct 17. doi: 10.1111/vop.12102. [Epub ahead of print]
45. Henriksen MDL, Andersen PH, **Plummer CE**, Mangan B, Brooks DE: Equine corneal stromal abscesses: An evolution in the understanding of pathogenesis and treatment during the past 30 years. *Equine Veterinary Education* 2013; 25(6): 315-323.

2012

44. Jung HJ, Abou-Jaoude M, Carbia BE, **Plummer C**, Chauhan A. Glaucoma Therapy by Extended Release of Timolol from Nanoparticle Loaded Silicone-Hydrogel Contact Lenses. *J Control Release* 2013; 165(1): 82-9. doi: 10.1016/j.jconrel.2012.10.010.
43. Peng CC, Burke MT, Carbia BE, **Plummer C**, Chauhan A. Extended drug delivery by contact lenses for glaucoma therapy. *J Control Release* 2012; 162(1): 152-8.
42. Peng CC, Ben-Shlomo A, Mackay EO, **Plummer CE**, Chauhan A. Drug delivery by contact lens in spontaneously glaucomatous dogs. *Current Eye Res* 2012; 37 (3): 204-211.
41. **Plummer CE**. Herpetic keratoconjunctivitis in the cat. *Clinician's Brief* 2012; 10(1): 26-28.
40. Greenberg SM, **Plummer CE (corr)**, Brooks DE, Conway JA. Third eyelid dermoid in a horse. *Vet Ophthalmol* 2012; 15(5): 351-4.
39. Ben-Shlomo G, **Plummer C (corr)**, Barrie K, Brooks D. Characterization of the normal dark adaptation curve of the horse. *Vet Ophthalmol* 2012; 15(1): 42-5.
38. Tsujita H, Brennan AB, **Plummer CE (corr)**, Nakajima N, Hyon SH, Barrie KP, Sapp B, Jackson D, Brooks DE. An ex-vivo model for sutureless amniotic membrane transplantation with a chemically defined bioadhesive. *Current Eye Res* 2012; 37(5): 372-80.

37. Mackay EO, McLaughlin M, **Plummer CE**, Ben-Shlomo A, Gelatt KN. Dose response for travaprost in the glaucomatous beagle. *Vet Ophthalmol* 2012 Mar; 15 Suppl 1:31-5. doi: 10.1111/j.1463-5224.2011.00934.x. Epub 2011 Oct 3.
36. Henriksen M, **Plummer CE (corr)**, Brooks DE. Modified Khunt-Symanowski surgical procedure for secondary cicatricial ectropion in a horse. *Vet Ophthalmol* 2012 Sep 7. doi: 10.1111/j.1463-5224.2012.01061.x.
35. Tsujita H, **Plummer CE (corr)**. Corneal stromal abscessation in two horses treated with intracorneal and subconjunctival injection of 1% voriconazole solution. *Vet Ophthalmol* 2013 Nov; 16(6):451-8. 2012 Dec 10. doi: 10.1111/vop.12014.
34. De Linde Henriksen M, **Plummer CE**, Mangan B, Ben-Shlomo G, Tsujita H, Greenberg S, Toft N, Brooks DE. Visual outcome after corneal transplantation for corneal perforation and iris prolapse in 37 horses: 1998-2010. *Equine Vet J*. 2012 Dec; Suppl 43: 115-9. doi: 10.1111/j.2042-3306.2012.00657.x.
33. Martins BC, Brooks DE, **Plummer CE**, Samuelson DA, Laus JL. Light microscopic evaluation and scanning electron microscopic analysis of horse eyes following deep anterior lamellar keratectomy. *Vet Ophthalmol* 2013 Jul; 16 Suppl 1:42-51. 2012 Oct 15. doi: 10.1111/j.1463-5224.2012.01071.x.
32. Henriksen M, Andersen PH, **Plummer CE**, Mangan B, Brooks DE. Equine corneal stromal abscesses: An evolution in the understanding of pathogenesis and treatment during the past 30 years. *Equine Vet Educ* 2012; doi: 10.1111/j.2042-3292.2012.00440.x
31. Kim MS, Brooks DE, **Plummer CE**, Sapp HL. IOP change undergoing anesthesia in Rhesus Macaques (*Macaca mulatta*) with Laser-induced Ocular Hypertension. *J Vet Med Sci*. 2012 Oct; 74(10): 1359-61.
30. **Plummer CE**. Year in review (Ophthalmology): Ouch! My Eye! *Advances in Small Animal Medicine and Surgery* 2012; 25(9): 1-3.

2011

29. **Plummer CE**, Ramsey DT. A survey of ocular abnormalities in Miniature Horses. *Vet Ophthalmol* 2011; 14(4): 239-243.
28. Greenberg SM, **Plummer CE (corr)**, Brooks DE, Porter M, Farina LL, Winter MD. Unilateral orbital lacrimal gland in a horse. *Vet Ophthalmol* 2011; 14(1): 55-60.
27. **Plummer CE**. Year in review (Ophthalmology): Ophthalmic drugs, old and new. *Advances in Small Animal Medicine and Surgery* 2011; 24(1): 1-3.
26. Blackwood SE, **Plummer CE (corr)**, Barrie KP, Taylor D, Nunnery CM, Seltzer JD, Ben-Shlomo G, Brooks DE. Uveodermatologic syndrome in a rat terrier. *J Am Anim Hosp Assoc* 2011; 47: e56-63.

25. **Plummer CE**. The red eye – a diagnostic tree. *Clinician's Brief* 2011; 9,11: 34-35.

2010

24. Ben-Shlomo G, **Plummer CE (corr)**, Barrie KP, Brooks DE. Curvularia keratomycosis in a dog. *Vet Ophthalmol* 2010; 13(2): 126-130.

23. Blackwood SE, **Plummer CE (corr)**, Crumley W, MacKay EO, Brooks DE, Barrie KP. Ocular parameters in a captive colony of fruit bats. *Vet Ophthalmol* 2010; 13 (Supplement 1): 72-79.

2009

22. **Plummer CE**. Anaerobic keratitis. *Equine Vet Educ* 2009; 21:575-576. Invited Review.

21. **Plummer CE**, Ollivier FJ, Kallberg ME, Brooks DE, Barrie KP, Utter ME, Gelatt KN. The use of amniotic membrane transplantation for ocular surface reconstruction: A review and series of 58 equine clinical cases (2002-2008). *Vet Ophthalmol* 2009; 12(1): 17-24. Invited Review.

20. Brooks DE, Taylor DP, **Plummer CE**, Quinn R, Kallberg ME, Sheppard B, Barrie KP, Blackwood SE, Nunnery CM, Ben-Shlomo G, Clark CJ, Woodworth AA. Iris abscesses with and without intralenticular fungal invasion in the horse. *Vet Ophthalmol* 2009; 12(5): 306-312.

19. Myers DA, Isaza R, Ben-Shlomo G, Abbott J, **Plummer CE**. Fungal keratitis in a gopher tortoise (*Gopherus polyphemus*). *J Zoo Wild Med* 2009; 40(3): 579-582.

2008

18. Baker A, **Plummer CE (corr)**, Szabo N, Barrie KP, Brooks DE. Doxycycline levels in preocular tear film of horses following oral administration. *Vet Ophthalmol* 2008; 11(6):381-385.

17. **Plummer CE**, Kallberg ME, Ollivier FJ, Barrie KP, Brooks DE. Deep lamellar endothelial keratoplasty in ten horses. *Vet Ophthalmol* 2008; 11 (s1): 35-43.

16. **Plummer CE**, Kallberg ME, Gelatt KN, Gelatt JP, Barrie KP, Brooks DE. Intracititans tacking for replacement of prolapsed gland of the third eyelid in dogs. *Vet Ophthalmol* 2008; 11(4):228-233.

15. **Plummer CE**, Kallberg ME, Ollivier FJ, Gelatt KN, Brooks DE. The use of a biosynthetic material to repair the surgical defect following excision of an epibulbar melanoma in a cat. *Vet Ophthalmol* 2008; 11(4): 250-254.

14. Brooks DE, **Plummer CE**, Kallberg ME, Barrie KP, Ollivier FJ, Hendrix DVH, Baker A, Scotty NC, Utter ME, Blackwood SE, Nunnery CM, Ben-Shlomo G, Gelatt KN. Corneal transplantation for inflammatory keratopathies in the horse: Visual outcome in 206 cases (1993-2007). *Vet Ophthalmol* 2008; 11(2): 123-133.

13. MacKay EO, Kallberg ME, Barrie KP, Miller W, Sapienza JS, Denis H, Ollivier FJ, **Plummer C**, Rinkoski T, Scotty N, Gelatt KN. Myocilin protein levels in the aqueous humor of the glaucomas in selected canine breeds. *Vet Ophthalmol*. 2008 Jul-Aug; 11(4): 234-41.

2007

12. **Plummer CE**. Exophthalmos in the horse. *Equine Vet Educ* 2007; 19(11): 584-589. Invited Review.

11. **Plummer CE**, Specht A, Gelatt KN. Ocular manifestations of endocrine disease in small animals. *Compendium for Continuing Education for the Practicing Veterinarian* 2007; 733-743.

10. Ollivier FJ, Gilger BC, Barrie KP, Kallberg ME, **Plummer CE**, O'Reilly S, Gelatt KN, Brooks DE. Proteinases of the cornea and precocular tear film. *Vet Ophthalmol* 2007; 10: 199-206.

9. **Plummer CE**, Smith S, Andrew SE, Lassaline ME, Gelatt KN, Brooks DE, Kallberg ME, Ollivier FJ. Combined keratectomy, strontium-90 irradiation and permanent bulbar conjunctival grafts for corneolimbic squamous cell carcinomas in horses (1990-2002): 38 horses. *Vet Ophthalmol* 2007; 10: 37-42.

2006

8. Ollivier FJ, Kallberg ME, **Plummer CE**, Barrie KP, O'Reilly S, Taylor D, Gelatt KN, Brooks DE. Amniotic membrane transplantation for corneal surface reconstruction after excision of corneolimbic squamous cell carcinomas in nine horses. *Vet Ophthalmol* 2006; 9: 404-413.

7. Ollivier FJ, Barrie KP, Mames RN, Kallberg ME, Greiner EC, **Plummer CE**, Gelatt KN, Strubbe DT, Brooks DE. Pars plana vitrectomy for the treatment of ophthalmomyiasis interna posterior in a dog. *Vet Ophthalmol* 9(4): 259-264.

6. **Plummer CE**, MacKay EO, Gelatt KN. Comparison of the effects of topical administration of a fixed combination of dorzolamide-timolol to monotherapy with timolol or dorzolamide on IOP, pupil size and heart rate in glaucomatous dogs. *Vet Ophthalmol* 2006; 9: 245-249.

5. **Plummer CE**, Kallberg ME, Ollivier FJ, Brooks DE, Gelatt KN. Suspected ivermectin Toxicosis in a Miniature Mule Foal Causing Blindness. *Vet Ophthalmol* 2006; 9: 29-32.

4. Tolar EL, Hendrix DVH, Rohrbach BW, **Plummer CE**, Brooks DE, Gelatt KN. Evaluation of Bacterial Isolates and Sensitivities and Predisposing Factors of Dogs with Bacterial Keratitis: 97 Cases (1993-2003). *J Am Vet Med Assoc* 2006; 228: 80-85.

2003

3. Denis HM, Alleman AR, Brooks DE, Andrew SE, **Plummer CE**. Anti-lens crystalline antibodies in cogs with and without cataracts. *Vet Ophthalmol* 2003; 6: 321-327.

2. **Plummer CE**, Ramsey DT, Hauptman JG. Assessment of corneal thickness, intraocular

pressure, optical corneal diameter and axial globe length in Miniature Horses. *Am J Vet Res*, 2003; 64:661-665.

2001

1. Samuelson DA, **Plummer C**, Lewis PA, Gelatt KN. Schwalbe's Line Cell in the Normal and Glaucomatous Dog. *Vet Ophthalmol* 2001; 4: 47-53.

Abstracts

Martinez PS, Whitley RD, **Plummer CE**, Richardson RL, Hamor RE, Wellehan JFX. *In vitro* antifungal susceptibility of *Fusarium* species and *Aspergillus fumigatus* from horses with fungal keratitis. *Amer Coll Vet Ophthalmol 50th Ann Mtg*, 2019. P. .

Herrmann JW, **Plummer CE**, Gibson DJ, Hamor RE, Whitley RD. Delivery of the anti-fungal agent voriconazole by iontophoresis in an *ex vivo* rabbit corneal model. *Amer Coll Vet Ophthalmol 50th Ann Mtg*, 2019. P. .

Berkowski WM, Fallon KM, Merfield-Clauss S, Gibson DJ, Schultz GS, Tuli SS, Traktuev DO, **Plummer CE**, March KL. Effect of human adipose-derived secretome on corneal epithelial wound healing. *Amer Coll Vet Ophthalmol 50th Ann Mtg*, 2019. P. .

Berkowski WM, Michau T, Stine J, **Plummer CE**, Sherwood M. A new, minimally invasive procedure for dogs with encapsulated Ahmed valves and elevated intraocular pressures: A case series. *Amer Coll Vet Ophthalmol 50th Ann Mtg*, 2019. P. .

Alexopolous ET, Berkowski WM, **Plummer CE**. Corneal ulcer due to *Streptococcus thermophilus* in a French Bulldog: A case report. *Amer Coll Vet Ophthalmol 50th Ann Mtg*, 2019. P. .

Boss CK, **Plummer CE**, Hill RC, Scott K. Effects of aerobic exercise on intraocular pressure in athletic and non-athletic dogs. *Amer Coll Vet Ophthalmol 50th Ann Mtg*, 2019. P. .

Plummer CE, Kitchen H, Wilhelmy M, Devine K, Sharma J, Bae S, Larkin J. Topical application of suppressor of cytokine signaling mimetic peptide: A safety study. *Proc International Equine Ophthalmology Consortium Annual Symposium*, 2019. p. 118.

Plummer CE, Kitchen H, Wilhelmy M, Devine K, Sharma J, Bae S, Larkin J. Mitigation of equine recurrent uveitis through topical application of suppressor of cytokine signaling mimetic peptide: A pilot study. *Proc International Equine Ophthalmology Consortium Annual Symposium*, 2019. p. 116.

Sanchez LC, Eide ML, Higgs-Rick K, **Plummer CE**. Subpalpebral lavage and intravenous catheter port labeling in horses. Poster P063, UF Health Patient Safety Week, March 2019.

Martinez PS, Boss C, Carbia B, **Plummer CE**. Ophthalmic survey of geriatric horses donated to a local equine retirement farm. *Amer Coll Vet Ophthalmol 49th Ann Mtg*, 2018. P. 78.

Herrmann JW, **Plummer CE**, Gibson DJ, Hamor RE, Whitley RD. Delivery of the antifungal agent nystatin by iontophoresis in an ex vivo rabbit corneal model. *Amer Coll Vet Ophthalmol 49th Ann Mtg*, 2018. P. 111.

Boye SL, Peterson JP, Lukason M, Fajardo D, Zhang H, O'Riordan C, Baek R, **Plummer C**, Sherako C, Jacobson SG, McVie-Wylie A, Boye SE. Pre-clinical development of an AAV based gene therapy for the treatment of retinal disease due to recessive mutations in *GUCY2D*. ISER 2018.

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Plummer CE. Equine conjunctival diseases. In: Lavoie JP and Hinchhoff KW, eds. *Blackwell's Five-Minute Veterinary Consult: Equine, 2nd ed.* Ames, IA: Wiley-Blackwell. 2008: 202-203.

Plummer CE. Dacryocystitis. In: Lavoie JP and Hinchhoff KW, eds. *Blackwell's Five-Minute Veterinary Consult: Equine, 2nd ed.* Ames, IA: Wiley-Blackwell. 2008: 222-223.

Plummer CE. Equine calcific band keratopathy. In: Lavoie JP and Hinchhoff KW, eds. *Blackwell's Five-Minute Veterinary Consult: Equine, 2nd ed.* Ames, IA: Wiley-Blackwell. 2008: 149.

Plummer CE. Equine eosinophilic keratitis. In: Lavoie JP and Hinchhoff KW, eds. *Blackwell's Five-Minute Veterinary Consult: Equine, 2nd ed.* Ames, IA: Wiley-Blackwell. 2008: 285.

Plummer CE. Equine ocular/adnexal squamous cell carcinoma. In: Lavoie JP and Hinchhoff KW, eds. *Blackwell's Five-Minute Veterinary Consult: Equine, 2nd ed.* Ames, IA: Wiley-Blackwell. 2008: 526-527.

Plummer CE. Equine periocular sarcoid. In: Lavoie JP and Hinchhoff KW, eds. *Blackwell's Five-Minute Veterinary Consult: Equine, 2nd ed.* Ames, IA: Wiley-Blackwell. 2008: 578-579.

Ollivier FJ, **Plummer CE**, Barrie KP. Ophthalmic examination and diagnostics. In: Gelatt KN, ed. *Essentials of Veterinary Ophthalmology, 2nd ed.* Ames, IA: Blackwell Publishing. 2008: 3-34.

Ollivier FJ, **Plummer CE**, Barrie KP. Ophthalmic examination techniques. In: Gelatt KN, ed. *Veterinary Ophthalmology, 4th ed.* Ames, IA: Blackwell Publishing 2007: 438-483.

Plummer CE. Equine eyelid disease. *Clin Tech Equine Pract* 2007; 4:95-105.

GRANTS AWARDED

Pending

Larkin J, **Plummer CE (co-PI)**, Smith WC, Tuli SS, Gibson DJ, Hernandez J. Mitigation of equine recurrent uveitis through topical application of suppressor of cytokine signaling mimetic peptide. Grayson-Jockey Club Research Foundation. 2019. \$255,223.

Funded

Plummer CE (PI), Martinez P (co-PI), Hamor RE (co-I). *The effect of periocular hair clipping on intraocular bacterial contamination and post-operative complications in dogs undergoing phacoemulsification.* 2019 CVM Patient Safety and Quality Improvement Grant Opportunity. \$2500.

Martin de Bustamante MG (PI), **Plummer CE (co-PI)**, Gomez D (co-PI). *The impact of ambient temperature sample storage on the equine fecal microbiota.* CVM Research Committee, 2019 Resident Research Grant Competition. \$2000. Funded with strong enthusiasm.

Martin de Bustamante MG (PI), **Plummer CE (co-PI)**, Gomez D (co-PI). *Investigation and comparison of fecal and salivary microbiota of healthy horses and horses with equine recurrent uveitis.* American College of Veterinary Ophthalmologists Vision for Animals Foundation Resident Research Fund. \$4850.

Gomez D (PI), **Plummer CE (co-PI)**, Martin de Bustamante MG (co-PI). *Investigation and comparison of fecal and salivary microbiota of healthy horses and horses with equine recurrent uveitis.* 2018-2019 UF CVM Spring Consolidated Faculty Research Development Award Grant Competition. \$5407.

Plummer CE (PI), Boss CK, Whitley RD, Schultz GS, Gibson DJ. *Therapeutic effects of equine amniotic membrane preparations (cryopreserved topical homogenate & overlay patch) following keratectomy in a lagomorph ex-vivo corneal model.* 2017-2018 UF CVM Spring Consolidated Faculty Research Development Award Grant Competition. \$8,900.

Plummer CE (PI), Martinez P (co-PI), Whitley RD (co-I). *The effect of periocular hair clipping on intraocular bacterial contamination and post-operative complications in dogs undergoing phacoemulsification.* 2017 CVM Patient Safety and Quality Improvement Grant Opportunity. \$2500.

Larkin J (PI), **Plummer CE (co-PI)**. *Mitigation of Equine Recurrent Uveitis through Topical Application of Suppressor of Cytokine Signaling Mimetic Peptide-Pilot.* HHMD 2017. Funded. \$99,455.

Plummer CE (PI). *Evaluation of topically applied cross-linked hyaluronic acid (Remend®) on clinically healthy dogs.* Bayer Animal Health 2017. \$20,016.

Vickroy T, **Plummer CE**. *Development of a Synthetic Equine Trainer Model for Veterinary Medical Procedures.* UF Health Shands Quasi Endowment Fund 2017. \$64,738.

Chauhan A (PI), **Plummer CE (co-PI)**. *Dose Escalation Study to Demonstrate Safety of Cysteamine Releasing Contact Lens* Cystinosis Ireland Seedcorn Funding Programme. 2017. Cystinosis Foundation UK and CRN USA. €10,000. Funded with enthusiasm.

Plummer CE (PI), Gibson DJ, Whitley RD, Hamor R, Herrmann J. *Intracorneal delivery of anti-fungal medications via iontophoresis*. 2016 Morris Animal Foundation/CVM Fall Consolidated Faculty Research Development Award. \$9575. Funded with strong enthusiasm.

Smith WC, Ash J, Bloom DC, Boye SE, Chauhan A, Hauswirth WW, Keselowsky BG, Lewin AS, Quihong L, **Plummer CE (co-PI)**, Schultz G, Scott EW, Sugrue SP. *T32 Training Grant*, NEI. Funded.

Plummer CE (PI), Johnson RD, Ramos RV, Nguyen C. *Immunohistochemical Study of Corneal Sensory Axons in a New Mouse Model of Sjögren Syndrome-Associated Dry Eye (Keratoconjunctivitis Sicca)*. 2015 CVM Spring Consolidated Faculty Research Development Award. \$9900. Funded with strong enthusiasm.

Martins B (PI), Hamor RE, **Plummer CE (co-I)**. *Evaluation of anti-angiogenic properties of equine amniotic membrane homogenate in tears of dogs with vascularized ulcerated corneas*. University of Illinois Companion Animal Research Grant. \$10,513. Funded.

Monk C, **Plummer CE (Co-PI)**, Brooks DE (PI). *Topical posaconazole: Evaluation of the stability, pH and sterility of a 1% ophthalmic solution*. CVM Research Committee, 2015 Resident Research Grant Competition. \$2000. Funded with enthusiasm.

Berkowski WM, **Plummer CE (PI)**, Whitley RD. *Assessment of topical therapies for improving optical clarity following stromal wound healing in the ex vivo canine corneal model*. CVM Research Committee, 2015 Resident Research Grant Competition. \$2000. Funded with strong enthusiasm.

Plummer CE (PI), Whitley RD, Berkowski WM. *Assessment of topical therapies for improving optical clarity following stromal wound healing in the ex vivo canine corneal model*. 2014 CVM Fall Consolidated Faculty Research Development Award. \$7300. Funded with strong enthusiasm.

Plummer CE (PI), Sanchez LC (co-PI), Brooks DE (Co-I), Czerwinski SL (Co-I). *Influence of topically administered atropine on gastrointestinal motility in healthy horses*. 2014 CVM Spring Consolidated Faculty Research Development Award. \$7400. Funded with strong enthusiasm.

Czerwinski SL, **Plummer CE (PI)**, Sanchez LC, Brooks DE. *Influence of topically administered atropine on gastrointestinal motility in healthy horses*. CVM Research Committee, 2014 Resident Research Grant Competition. \$2000. Funded with strong enthusiasm.

Monk C, **Plummer CE (PI)**. *The presence of minocycline in the tear film of normal horses after oral administration and its activity against matrix metalloproteinases in horses affected with ulcerative keratitis*. CVM Research Committee, 2014 Resident Research Grant Competition. \$2000. Funded with strong enthusiasm.

Plummer CE (PI), Brooks DE, Proietto LR. *Development of ex vivo canine and equine models of*

corneopithelial wound healing for the assessment of topical therapies. 2013 CVM Fall Consolidated Faculty Research Development Award. \$7230. Funded with strong enthusiasm.

Plummer CE (PI), Brooks DE, Mangan BG, Martins BC. *Anti-proteinase effects of topical lyophilized amniotic membrane and amniotic membrane homogenate in the tear film of horses with ulcerative keratitis – in vitro study*. CVM 2012 Spring Consolidated Faculty Research Development Award. \$7500. Funded with strong enthusiasm.

MacKay EO (PI), **Plummer CE (co-PI)**, Mangan BG. *In vivo evaluation of novel low-dose drug delivery device*. Corinthian Ophthalmic. 02/01/12-08/10/12. \$175,450.00.

Chauhan A (PI), **Plummer C (co-PI)**. *Nanostructured contact lenses for controlled and extended delivery of glaucoma medications*. Glaucoma Foundation, \$40,000. Approved, funded. 1/11-12/11.

MacKay EO (PI), **Plummer CE (co-PI)**. Alcon Research. *Evaluation of potential drugs for the treatment of glaucoma*. 02/09/10-01/31/11. \$25,005.67, \$20,004.53.

MacKay EO (PI), **Plummer CE (co-PI)**. Alcon Research. *In-vivo evaluation of punctual drug delivery devices in dogs*. 10/19/2009-5/31/2010, \$239,532.08, \$191,625.66.

Plummer CE (PI), MacKay EO (Co-PI). Vistakon (Johnson & Johnson Vision Care), *Evaluation of novel drug delivery devices for the treatment of glaucoma*. 04/27/09-01/08/10, \$28,476.

Chauhan A (PI), Schultz G (co-PI), **Plummer C (co-PI)**. *Ophthalmic drug delivery by contact lenses*. 2009 Research Opportunity Incentive Seed Fund Competition. Approval with strong enthusiasm, \$85,802.

Ben-Shlomo G, **Plummer CE (PI)**. *Evaluation of the fundamental properties of the normal equine full field electroretinogram (fERG)*. CVM Research Committee, 2008 Resident Research Grant Competition. Recommendation: Approval, with strong enthusiasm. \$2000.

Plummer CE (PI), MacKay EO (Co-PI). Vistakon (Johnson & Johnson Vision Care), *Evaluation of novel drug delivery devices for the treatment of glaucoma*. 07/01/08-01/08/09, \$182,910.08, \$145,166.73.

Kallberg ME (PI), **Plummer CE (Co-PI)**. Vistakon (Johnson & Johnson Vision Care), *In vivo evaluation of a drug delivery device*. 07/01/07-6/30/08, \$196,814.52, \$98,407.26.

Baker A, **Plummer CE (PI)**. *Doxycycline levels in preocular tear film of horses following oral administration*. CVM Research Committee, 2007 Resident Research Grant Competition. Recommendation: Approval, with strong enthusiasm. \$2000.

Blackwood SE, **Plummer CE (PI)**. *Ophthalmic examination findings in a captive colony of fruit bats*. CVM Research Committee, 2007 Resident Research Grant Competition. Recommendation: Approval, with good enthusiasm. \$2000.

Plummer CE (co-PI), Gelatt KN (PI). *Comparison of the effects of topical administration of a fixed combination of dorzolamide-timolo to monotherapy with timolol or dorzolamide on IOP, pupil size and heart rate in glaucomatous dogs.* CVM Research Committee, 2004 Resident Research Grant Competition. Recommendation: Approval, with strong enthusiasm. \$1700.

Plummer CE (co-PI), Brooks DE (PI). *Detection of interleukin-1 beta in the tear fluid of horses with and without corneal ulceration.* CVM Research Committee, 2004 Resident Research Grant Competition. Recommendation: Approval, with strong enthusiasm.

Not Funded

Plummer CE (PI), Martin de Bustamante MG (co-PI), Gomez D (co-PI). The effects of topical antibiotic or antibiotic-corticosteroid medication on the ocular surface microbiota of healthy horses. 2018-2019 UF CVM Spring Consolidated Faculty Research Development Award Grant Competition. \$9952. Not funded.

Plummer CE (PI), Hamor RE, Whitley RD, Martinez P. The effect of periocular hair clipping on intraocular bacterial contamination and post-operative complications in dogs undergoing phacoemulsification. 2018-2019 UF CVM Spring Consolidated Faculty Research Development Award Grant Competition. \$10,774.50. Not funded.

Plummer CE (PI), Larkin J, Smith WC, Tuli SS. OR-DRPD-ROF2019: Mitigation of equine recurrent uveitis through topical application of suppressor of cytokine signaling mimetic peptide. UF 2018 Research Opportunity Incentive Seed Fund Competition. \$100,000. Not funded.

Larkin J, **Plummer CE (co-PI), Smith WC, Tuli SS.** Mitigation of equine recurrent uveitis through topical application of suppressor of cytokine signaling mimetic peptide. 2018. NIH R21. \$407,206.

Hernandez JA (PI) Pascual D, Bolser D, Curtiss R, Dinglasan R, Driver J, Galvao K, Jobin C, Milner R, Morel L, Mortin A, Garcia-Pereira, **Plummer C (co-PI), Santoro D, Zhou L, Behar-Horenstein L.** Resident training in biomedical, clinical and population research for veterinary and translational medicine. NIH R38 Stimulating Access to Research in Residency (StARR) 2018. 1 R38 HL143606-01. \$1,099,188, not funded.

Boss C, **Plummer CE (co-PI), Whitley RD, Schultz GS, Gibson DJ.** Histologic evaluation & therapeutic effects of equine amniotic membrane preparations (cryopreserved, lyophilized & homogenate) following keratectomy in a lagomorph ex-vivo corneal model. ACVO Vision Foundation for Animals 2018. \$5000, not funded.

Plummer CE (PI), Whitley RD, Hill RC, Boss CK. Effects of exercise on intraocular pressure in normal dogs, with and without concurrent topical latanoprost 0.005% treatment. CVM 2017 Fall Consolidated Faculty Research Development Award. \$9500, not funded.

Boss CK, **Plummer CE (co-PI), Hill RC, Whitley RD.** Effects of aerobic exercise on intraocular pressure in normal dogs. ACVO Vision for Animals Foundation 2017. \$7200. Not funded.

Plummer CE (PI), Santoro D, Wellehan JFX. Periocular microbiome of dogs with and without ocular surface disease and atopic dermatitis. AKC Canine Health Foundation 2017. \$14,345.

Not funded.

Santoro D (PI), Wellehan JKX, **Plummer CE (co-PI)**. Periocular microbiome of dogs with and without ocular surface disease and atopic dermatitis. 2016-2017 UF CVM Spring Consolidated Faculty Research Development Award Grant Competition. \$9350. Not funded.

Chauhan A (PI), **Plummer CE (co-PI)**. Glaucoma therapy by bimatoprost releasing vitamin E loaded contact lens. NIH Exploratory/Developmental Research Grant Program (Parent R21). 2017. \$407,204. Not Funded.

Larkin J, **Plummer CE (co-PI)**, Smith WC, Tuli SS. DRPV-ROF2016: Mitigation of equine recurrent uveitis through topical application of suppressor of cytokine signaling mimetic peptide. UF 2017 Research Opportunity Incentive Seed Fund Competition. Not Funded.

Plummer CE (PI), Gibson D, Berkowski WM, Peck A. An *ex vivo* canine cornea model for assessing optical clarity following stromal wounds. NIH Exploratory/Developmental Research Grant Program (Parent R21). June 2016. PA-16-161. \$412,500. Not funded.

Plummer CE (PI), Gibson DJ, Whitley RD, Hamor R, Herrmann J. *Intracorneal delivery of anti-fungal medications via iontophoresis*. 2016 ACVO Vision for Animals Research Grant Competition. \$4500. Not funded.

Larkin J, **Plummer CE (co-PI)**, Smith WC, Tuli SS. DRPV-ROF2016: Mitigation of equine recurrent uveitis through topical application of suppressor of cytokine signaling mimetic peptide. UF 2016 Research Opportunity Incentive Seed Fund Competition. \$100,000.00. Not Funded.

Czerwinski SL, **Plummer CE (Co-PI)**, Sanchez LC, Brooks DE. *Influence of topically administered atropine on gastrointestinal motility in healthy horses*. 2015 ACVO Vision for Animals Research Grant Competition. \$4678. Not funded.

Whitley RD (PI), **Plummer CE (Co-I)**. Dysregulation of corneal stromal repair and oxidative pathways in Keratoconus: Further characterization of a novel avian model. CVM 2015 Fall Consolidated Faculty Research Development Award. \$ 9,796.00. Not funded.

Plummer CE (PI), Whitley RD, Berkowski WM. *Assessment of topical therapies for improving optical clarity following stromal wound healing in the ex vivo canine corneal model*. 2015 Morris Animal Foundation Pilot Study, \$9487, not funded.

Brooks DE (PI), **Plummer CE (co-PI)**, Mangan BG, Schultz GS. *Equine ocular surface reconstruction*. 2012 Research Opportunity Incentive Seed Fund Competition \$98,818. Not funded.

Chauhan A (PI), **Plummer CE (co-PI)**. *Extended release of latanoprost by vitamin E nanobarrier loaded contact lenses for glaucoma therapy*. NIH R01 2013, \$1,440,115.00, not funded.

Chauhan A (PI), **Plummer CE (co-PI)**. *Drug eluding contact lenses for cystinosis therapy*. Cystinosis Research Foundation (CRF), Spring 2013, \$60,000.00, not funded.

Chauhan A (PI), **Plummer CE (co-PI)**. *Glaucoma therapy by eluding contact lenses*. University of Florida Clinical and Translational Science Institute Pilot and Collaborative Projects Program, Fall 2012, \$15,000.00. Not funded.

Plummer CE (PI), Coleman JK (co-PI). *Equine amniotic membrane for the augmentation of corneal wound healing in the equine patient*. American Quarter Horse Association, 2013, \$49,996.43. Not funded.

Brooks DE (PI), Coleman J (co-PI), **Plummer CE (co-PI)**. *A three phase approach to equine corneal wound healing*. Grayson-Jockey Club 2012, \$85,011.80. Not funded.

Plummer CE (PI), Boye S (co-PI), Komaromy A (Co-PI). *Gene therapy for glaucoma*. 2013 Research Opportunity Incentive Seed Fund Competition \$100,000. Not funded. 1/13

Chauhan A (PI), **Plummer C (co-PI)**. *Extended release of latanaprost by vitamin E nanobarrier loaded contact lenses for glaucoma therapy*. NIH R01 2012, Not funded. 11/12 \$806,581.08.

Brooks DE (PI), **Plummer CE (co-PI)**, Mangan BG. *Anti-proteinase effects of topical lyophilized amniotic membrane and amniotic membrane homogenate in the tear film of horses with ulcerative keratitis – in vitro study*. 2011 Research Opportunity Incentive Seed Fund Competition \$24,562. Not funded.

Chauhan A, **Plummer CE (co-PI)**. *Vitamin E and Drug Loaded Contact Lenses for Extended Glaucoma Therapy*. Southeast Techniventures, \$252,471. Not funded. 3/11.

Chauhan A (PI), **Plummer C (co-PI)**. *Glaucoma Therapy by Vitamin E Nanobarrier Loaded Contact Lenses*. NIH R21, \$353,918. Not funded. 06/2011.

Chauhan A (PI), **Plummer C (co-PI)**. *Tailored Dispersion of Imprinted Highly Crosslinked Particles in Contact Lenses for Ophthalmic Drug Delivery*. NSF, \$478,018. Not funded. 03/2010

Chauhan A (PI), **Plummer C (co-PI)**. *Nano-Particle Doped Silicone-Hydrogel Contact Lenses for Extended Ophthalmic Drug Delivery*. NIH R01. Not funded. \$1,803,677.00. 11/2010.

Plummer CE (PI), Coleman JK. *Reconstructing equine corneal epithelium on amniotic membrane*. American Quarter horse Association, \$59,635. Not funded. 10/2010.

Chauhan A (PI), **Plummer C (co-PI)**. *Controlled and extended ophthalmic drug delivery by contact lenses containing nanobarriers of vitamin E*. NIH R21, \$393,956. Not funded. \$398,000.00. 10/10.

Plummer CE (PI). *Reconstructing Equine Corneal Epithelium on Equine Amniotic Membrane*. Submitted to UFCVM Spring Faculty Grant Competition 2009, not funded.

Plummer CE, Specht A. *Survey of infectious etiologies of canine uveitis in Florida*. Submitted to UFCVM Fall Faculty Grant Competition 2007, accepted with above average enthusiasm, not funded.

INVITED LECTURES AND PAPERS

International

North American Veterinary Conference (NAVC) VMX, January 2020: Continuing education laboratory - *Corneal and conjunctival surgery*. Orlando, FL, USA. 4 hours.

North American Veterinary Conference VMX, January 2020: Continuing education laboratory - *Cherry eye and adnexal surgery*. Orlando, FL, USA. 4 hours.

University of Copenhagen Master Program: Ophthalmology Track Module I (Basic Ophthalmology). Lecturer (6 hours) and wetlab instructor (12 hours). *Slit lamp Biomicroscopy, Gonioscopy, Ocular Pathophysiology, Ocular Imaging, Ocular Pharmacology, Ophthalmic Examination (wetlab), Ocular Ultrasonography (wetlab), Gonioscopy (wetlab), Cytology and Histopathology (wetlab)*. Copenhagen, DK. 11-15 November 2019.

British Association of Small Animal Veterinarians (BSAVA), Birmingham, UK, April 5, 2019: Ocular Surface Disease, Ocular Manifestations of Endocrinopathies, Masquerading Eye Disease, 4 hours invited.

British Association of Veterinary Ophthalmology (BrAVO), Birmingham, UK, April 3, 2019: *Ocular Pharmacology, Glaucoma – Medicine V. Surgery (How I Choose), Case Discussions*, 3 hours invited.

North American Veterinary Conference (NAVC) VMX, January 2019: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference VMX, January 2019: Continuing education laboratory - *Cherry eye and adnexal surgery*. 4 hours.

International Veterinary College. Ophthalmology Symposium. October 15-17, 2018. Shanghai, China. 21 hours.

North American Veterinary Conference, January 2018: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference, January 2018: Continuing education laboratory - *Cherry eye and adnexal surgery*. 4 hours.

North American Veterinary Conference Institute: *Practical Approaches to Clinical Ophthalmology*. Lectures and laboratory. Orlando, FL, USA. 05/22-25/2017. 34 hours.

North American Veterinary Conference, 01/18/16, Orlando, FL, USA: *Ophthalmic manifestations of endocrinopathies in small animals, Common eyelid disorders and how to deal with them, Common ophthalmic emergencies and their management, Cherry eye surgical options, Three ophthalmologists, three opinions*. 5 hours.

North American Veterinary Conference Masterclass: *Challenging corneas: Ulcerative keratitis and unusual keratopathies*. 01/16/16, Orlando, FL, USA, 2 hours.

North American Veterinary Conference, January 2016: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours

North American Veterinary Conference, January 2016: Continuing education laboratory - *Cherry eye and adnexal surgery*. 4 hours.

Jornadas Quirúrgicas Veterinarias: *The ophthalmic examination with lesion localization, Medical and surgical therapy for ocular surface disease (KCS and corneal ulcers), Ophthalmic emergencies, Medical and surgical approaches to canine glaucoma*. Lima, Peru. 09/06/2015. 4 hours.

Japanese Society of Comparative and Veterinary Ophthalmology: *Canine Glaucoma: Pathophysiology and therapeutic strategies*. Kanagawa, Japan. 25 July 2015. 2 hours.

North American Veterinary Conference, January 2015: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference, January 2015: Continuing education laboratory - *Cherry eye and adnexal surgery*. 4 hours.

North American Veterinary Conference Institute: *Practical Approaches to Clinical Ophthalmology*. Lectures and laboratory. Orlando, FL, USA. 05/19-23/2014. 34 hours.

North American Veterinary Conference, 01/20/14, Orlando, FL, USA: *Ophthalmic pharmacology: The best and the rest, Canine glaucoma: Medical and surgical therapies*. 2 hours.

North American Veterinary Conference, January 2014: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference, January 2014: Continuing education laboratory - *Cherry eye and adnexal surgery*. 4 hours

North American Veterinary Conference Institute: *Clinical procedures. Examining the eye. A crack in the windshield*. Lecture and laboratory. Orlando, FL, USA. May 2013. 8 hours.

North American Veterinary Conference Masterclass: *Challenging corneas: Ulcerative keratitis and unusual keratopathies*. 01/19/13, Orlando, FL, USA. 2 hours.

North American Veterinary Conference, January 2013: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference, January 2013: Continuing education laboratory - *Cherry eye and adnexal surgery*. 4 hours.

European College of Veterinary Surgeons' Eye Course: *The equine cornea, Corneal surgery, And the rest: An overview of intraocular surgery, When things go wrong: Surgical Complications*, and eye examination and ophthalmic surgery laboratories., 12/6-7/12, University of Zaragoza, Zaragoza, Spain. 16 hours.

Continuing Education Conference for Veterinarians: *The ophthalmic examination, The approach to the red eye, Ophthalmic emergencies and Equine ophthalmology*. 02/12, Accra, Ghana, Africa. 4 hours.

Continuing Education Conference for Veterinarians: *The ophthalmic examination, The approach to the red eye, Ophthalmic emergencies and Equine ophthalmology*. 02/12, Kumasi, Ghana, Africa. 4 hours.

North American Veterinary Conference, January 2012: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference, January 2012: Continuing education laboratory - *Cherry eye and adnexal surgery*. 4 hours.

North American Veterinary Conference, January 2011: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference, January 2011: Continuing education laboratory - *Cherry eye and adnexal surgery*. 4 hours.

Waltham Leading Vets Workshop: *Clinical Ophthalmology, The eye examination, The approach to the red eye*. Mumbai, Delhi, Kolkatta, Chennai, India 27 January – 10 February 2010. 30 hours.

North American Veterinary Conference, January 2010: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference, January 2010: Continuing education laboratory - *The ophthalmic examination*. 4 hours.

North American Veterinary Conference, January 2009: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference, January 2009: Continuing education laboratory - *The ophthalmic examination*. 4 hours.

North American Veterinary Conference Institute In Depth Seminar with Laboratories: *Equine Ophthalmology*, 9-12 May 2008. 16 hours.

North American Veterinary Conference, January 2008: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference, January 2008: Continuing education laboratory - *The ophthalmic examination*. 4 hours.

Japanese Equine Practitioners: In-depth Ophthalmology Seminar with laboratory, UFCVM, Gainesville, FL, USA. 30 November 2007. 9 hours.

North American Veterinary Conference, January 2006: Continuing education laboratory - *Eyelid and adnexal surgery*. 4 hours.

North American Veterinary Conference, January 2006: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

North American Veterinary Conference, January 2005: Continuing education laboratory - *Eyelid and adnexal surgery*. 4 hours.

North American Veterinary Conference, January 2005: Continuing education laboratory - *Corneal and conjunctival surgery*. 4 hours.

National

American Association of Equine Practitioners Summer Focus Conference & Lab: *Equine Ophthalmology*. Lecturer (3 hours) and wetlab instructor (8 hours). *Diseases and Disorders of the Uvea, Ocular Pharmacology, How to Place SPL System, Flush NLD, Collect Cytology from the Cornea, Cytology Analysis and Treatment Plan*. Fort Collins, CO, USA. 29-31 July 2019.

University of Florida Center for Vision Research 22nd Annual Research Symposium: Ocular Immunology and Inflammation. *Equine recurrent uveitis: A spontaneous and persistent auto-immune uveitis*. 5 February 2018. Invited talk.

Veterinary Ophthalmic Technician Society (VOTS): *Fungal Keratitis in the Horse*. Baltimore, MD, USA. 10/2017. One hour.

North American Veterinary Conference LIVE: *Ophthalmic Emergencies, Ocular Surface Disease, Masquerading Eye Disease, Pretty Pictures: Examining the Posterior Segment, The Eyes Have It: Diagnosing and Explaining Glaucoma*. Portland, OR, USA, 08/20-21/2017. 6 hours.

University of Florida Center for Vision Research and UF Institute for Wound Research. Ocular and Skin Wound Healing Symposium: From Healing to Regeneration. *Beyond the Human Animal*. Twentieth Annual Research Symposium, 06/06/2016. Invited Lecture.

American Association of Equine Practitioners: *360° Ophthalmology Course*. Course coordinator (30 hours), lecturer (8 hours) and wetlab coordinator (8 hours). Hosted by the University of Florida. Gainesville, FL, USA. 8-11 July 2015.

University of Florida Center for Vision Research Sixteenth Vision Research Symposium: *Primary open angle glaucoma in the Beagle Dog: The history and future of a spontaneous model*. 10/28/13, Gainesville, FL USA. Invited Lecture.

University of Florida Vision Seminar: *Primary open angle glaucoma in the Beagle dog*. 01/30/13, Gainesville, FL, USA. Invited Lecture.

American College of Veterinary Ophthalmologists General Practitioner's Day of Ophthalmology: *Glaucoma - Recognition and Treatment*. Hilton Head, SC, 29 October 2011. 2 hours.

American College of Veterinary Internal Medicine Forum: *State of the Art (What's new in equine ophthalmology), Inflammatory keratopathies in the horse, Equine recurrent uveitis*. Anaheim, CA 9-12 June 2010, 3 hours.

American Association of Equine Practitioners: *Ophthalmology Focus. Advanced Diagnostics*. Raleigh, NC, 3 October 2009. 8 hours.

American College of Veterinary Internal Medicine: *Equine Ocular and Periocular Neoplasia: SCC and beyond*. San Antonio, TX, June 2008. 2 hours.

American Association of Equine Practitioners: *Melting corneal ulcers in the horse*. Orlando FL, 5 December 2007. 4 hours.

Veterinary Ophthalmology Technician Society Annual Meeting (VOTS): *Eyelid reconstruction*. San Antonio, TX, 2 November 2006. 1 hour.

State and Regional

University of Florida College of Veterinary Medicine RDVM Day: *Corneal endothelium – When what you've got just isn't enough*. Gainesville, FL, USA June 15, 2019. 0.25 hr.

University of Florida College of Veterinary Medicine RDVM Day: *What's New for Equine Recurrent Uveitis*. Gainesville, FL, USA June 15, 2019. 0.25 hr.

Mississippi Veterinary Medical Association. *Ophthalmology*. July 12, 2018. Orange Beach, AL. 4 hours.

University of Florida College of Veterinary Medicine RDVM Day: *Ouch! My Eye! A discussion of ocular pain in small animals*. Gainesville, FL, USA June 17, 2017. 0.25 hr.

University of Florida College of Veterinary Medicine RDVM Day: *Updates in equine ophthalmology*. Gainesville, FL, USA June 17, 2017. 0.25 hr.

Florida Veterinary Medical Association Annual Conference: *The eye examination, The approach to the red eye (canine), The approach to the red eye (feline), Blindness in dogs and cats: Where is the lesion? Feline corneal disease, Corneal disease in older dogs, Ocular pharmacology, Cherry eye repair*. 04/25/2014, Orlando, FL, USA, 8 hours.

Missouri Veterinary Medical Association Annual Conference: *The equine ophthalmic examination, Corneal ulcers in the horse, Non-ulcerative keratopathies in the horse, Pathophysiology and treatment options for equine recurrent uveitis.* 01/31/14, Osage Beach, MO, USA, 4 hours.

University of Florida College of Veterinary Medicine RDVM Day: *Immune mediated keratitis in the horse.* Gainesville, FL, USA. 26 June 2010. 0.25 hr.

Florida Veterinary Medical Association Annual Conference: *Canine glaucoma, medical and surgical therapies, The approach to the red eye: canine, The approach to the red eye: feline, Management of common ophthalmic emergencies, Ocular manifestations of endocrinopathies, Blindness in dogs and cats: Where is the lesion, Feline corneal disease, Corneal disease in older dogs, Ocular pharmacology – the best and the rest.* Tampa, FL 09-10 April 2010, 9 hours.

Oregon Veterinary Conference: *Corneal Ulcers: The latest approaches to an old problem, Equine Recurrent Uveitis: Perspectives on etiology, therapy and outcomes, Ocular Trauma: More than just a scratch, Equine Ocular and Periocular Neoplasia: SCC and beyond, Pre-purchase examinations: The eyes have it!* Corvallis, OR, 5 March 2010, 8 hours.

Central Florida Veterinary Medical Association: *Ophthalmic manifestations of endocrinopathies in small animals.* Orlando, FL, USA. October 2009. 1 hour.

University of Florida College of Veterinary Medicine RDVM Day: *Canine Glaucoma.* Gainesville, FL, USA. June 2009. 0.25 hr.

University of Florida College of Veterinary Medicine RDVM Day: *Equine Recurrent Uveitis.* Gainesville, FL, USA. June 2009. 0.25 hr.

Hagyard Equine Medical Institute Continuing Education Series: *Corneal stromal abscesses in the horse.* Lexington, KY, 21 December 2007. 1 hour.

Hagyard Equine Medical Institute Continuing Education Series: *Non-ulcerative keratopathies in the horse.* Lexington, KY, 21 December 2007. 1 hour.

Hagyard Equine Medical Institute Continuing Education Series: *Congenital ocular disorders and ophthalmic diseases of the foal.* Lexington, KY, 26 November 2007. 1 hour.

Hagyard Equine Medical Institute Continuing Education Series: *Corneal disease in the horse.* Lexington, KY, 23 June 2007. 1 hour.

Local

UF/IFAS Extension (Marion County) Symposium. *Equine Ophthalmology: The Normal and Diseased Horse Eye.* Ocala, FL USA. Sep 20, 2018. 1 hour.

University of Florida College of Veterinary Medicine Night in the Swamp. *Ophthalmic manifestations of endocrinopathies in small animals.* Daytona Beach, FL, USA. 1/11/17. 2 hours.

Florida Cat Conference: *Common infections of the feline eye.* Gainesville, FL, 4 August 2007. 1 hour.

Alachua Veterinary Medical Association: *Latest advances in veterinary ophthalmic surgery*. 17 October 2006, 2 hours.

University of Florida CVM Veterinary Technician Program: *Small animal ophthalmic emergencies*. 14 October 2006. 1 hour.

TRAINEES SUPERVISED

Residents, Interns and Graduate Students Supervised

Dr. Michelle Martin de Bustamante - Master's of Science Candidate/ Ophthalmology Resident/Florida; Research Advisee	2018-present
Dr. Louise O'Leary - Rotating Small Animal Intern/Florida; Research advisee	2017-2018
Dr. Paoul Martinez - Small Animal ECC Intern/Master's of Science Candidate/Ophthalmology Resident/Florida; Research advisee	2017-present
Dr. Christine Boss - Master's of Science Candidate/Ophthalmology Resident/Florida; Research Advisee	2017-present
Dr. James Herrmann - Master's of Science (2019)/Ophthalmology Resident/Florida; Research Advisee	2016- present
Dr. William Berkowski - Master's of Science (2017)/Ophthalmology Resident/Florida; Research Advisee (Credentialed, Current position: PhD candidate, University of Florida)	2014- present
Dr. Renata Ramos - Master's of Science (2017)/Ophthalmology Resident/Florida; Research Advisee (Credentialed, Current position: Clinical Assistant Professor, Virginia-Maryland College of Veterinary Medicine)	2014- 2019
Dr. Laura Proietto - Master's of Science (2016)/Ophthalmology Resident/Florida; Research Advisee (Credentialed, Current position: Specialty ophthalmology practice, Ft. Lauderdale, FL)	2013- 2017
Dr. Caroline Monk - Ophthalmology Resident/Florida; Research Advisee (DACVO, Current position: Specialty ophthalmology practice, Atlanta, GA)	2013- 2016
Dr. Bianca Martins - Ophthalmology Resident/Florida; Research advisee (Current position: Assistant Professor, Comparative Ophthalmology, University of Illinois)	2012- 2015

Dr. Sarah Czerwinski - Ophthalmology Resident/Florida (Current position: Assistant Professor, University of Georgia)	2012- 2015
Dr. Joci Forkner – Rotating Small Animal Intern/Florida; Research advisee (Current position: General veterinary practice)	2011-2012
Dr. Shari Greenberg – Ophthalmology Resident/Florida; Research advisee (DACVO, Current position: Specialty ophthalmology practice, Hartford, CT)	2010- 2013
Dr. Shari Greenberg - Rotating Small Animal Medical/Surgical Intern/Florida; Research advisee (DACVO, Current position: Specialty ophthalmology practice, Hartford, CT)	2009- 2010
Hyun-Yun Jung – PhD Candidate; Committee Member	2010-2012
Dr. Michala Henricksen – Ophthalmology Resident/Florida (DACVO, Current position: Assistant Professor, Comparative Ophthalmology, Colorado State University)	2009- 2012
Dr. Hiroki Tsujita - Ophthalmology Resident/Florida; Research advisee (DACVO, Current position: Specialty ophthalmology practice, Osaka, Japan)	2009- 2012
Dr. Avery Woodworth – PhD candidate; Committee member (Current position: General veterinary practice)	2009
Dr. Beau House – Rotating Small Animal Intern/Florida; Research advisee (Current position: General veterinary practice)	2007- 2008
Dr. Gil Ben-Shlomo – Ophthalmology Resident/Florida; Research advisee (DACVO, Current position: Associate Professor, Comparative Ophthalmology, Cornell University)	2007- 2010
Dr. Sarah Blackwood - Ophthalmology Resident/Florida; Research advisee (DACVO, Current position: Specialty ophthalmology practice, Portland, ME)	2006- 2009
Dr. Catherine Nunnery - Ophthalmology Resident/Florida (DACVO, Current position: Specialty ophthalmology practice, Virginia)	2006- 2009
Dr. Amy Baker - Ophthalmology Resident/Florida; Research advisee (DACVO, Current position: Specialty ophthalmology practice, Miami, FL)	2006- 2008
Dr. Nicole Scotty – Ophthalmology Resident/Florida (DACVO,	

Current position: Specialty ophthalmology practice,
Minneapolis, MN)

2006- 2007

Tommy Rinkowski - MS candidate; Committee Member

2006- 2008

Student Projects Supervised

Meaghan Callahan c/o 2010

TGF-beta in aqueous humor of canines with primary
and secondary glaucoma compared to normal dogs

Maria Moriyon c/o 2020

Clinical and histopathologic evaluation of
intraocular and periocular melanomas in dogs and
cats.

Cristina King c/o 2021

Ocular disease in free-living raptors in North Central
Florida (retrospective).

Noah Plotsker c/o 2022

Endoscopic cyclophotocoagulation in small animals
(retrospective).

Visiting Veterinarians Mentored

Dr. Brett Story, USA, 2019 (Rotating Intern)

Dr. Steven Hanes, USA, 2019 (Rotating Intern)

Dr. Taylor Opgenorth, USA, 2019 (Rotating Intern)

Dr. Marie-Pier Boutin, Canada, 2019 (ECVO Resident)

Dr. Zachary Cochrane, USA, 2019 (ACVO Resident)

Dr. Veronica Feigel, USA, 2019 (ACVO Resident)

Dr. Aria Guarino, USA, 2019 (ACVIM-SA Resident)

Dr. Negar Hamzianpour, UK, 2018 (ECVO Resident)

Dr. Veronica Feigel, USA, 2018 (ACVO Resident)

Dr. Nan Xia, China, 2017

Dr. Allison Fuchs, USA, 2017

Dr. Ana Bascunan, USA, 2017 (ACVS-SA Resident)

Dr. Lyndsey Pelych, USA, 2017

Dr. Paoul Martinez, USA, 2017 (ECC Intern)

Dr. Louise O'Leary, Ireland-USA, 2017 (Rotating Intern)

Dr. William A. Fox-Alvarez, 2017 (ACVS-SA Resident)

Dr. Elizabeth Nelson, USA, 2017 (ACVIM-LA Resident)

Dr. Veronica Feigel, USA, 2017 (ACVO Resident)

Dr. Michelle Salob, USA 2016

Dr. Ricardo Gallo, Brazil, 2016

Dr. Maurilio Rosa, Brazil, 2016

Dr. Veronica Feigel, USA, 2016 (ACVO Resident)

Dr. Kaylin Kitchings, USA, 2016

Dr. Paoul Martinez, USA, 2016

Dr. Samantha Campos, USA, 2016 (ECC Resident)

Dr. Rachel Davy, USA, 2016 (ECC Resident)

Dr. Pallavi Kelkar, India, 2016

Dr. Tatiane Villar, Brazil, 2016

Dr. Christopher Corrie, USA, 2015 (ECC Resident)

Dr. Braidee Foote, USA, 2015
Dr. James Herrmann, USA, 2015
Dr. Kate Spahn, USA, 2015
Dr. Brian White, USA, 2015
Dr. Hiroki Takahashi, Japan, 2015
Dr. Jury Kim, South Korea, 2015
Dr. Braidee Foote, USA, 2015
Dr. Jamie Hermann, USA, 2015
Dr. Jesse Bullock, USA, 2014 (ECC Resident)
Dr. Jessie Wofford, USA, 2014 (Rotating Intern)
Dr. Jean Rubanick, USA, 2014 (ECC Resident)
Dr. Amy Santonastaso, USA, 2014 (LAM Resident)
Dr. Ashley Allen, USA, 2014 (ECC Resident)
Dr. Renata Ramos, Brazil, 2013
Dr. Maria Borisenkova, Russia, 2013
Dr. Katya Ekaterina Vasilyeva, Russia 2013
Dr. Jaana Pana, Finland, 2013
Dr. Stamatina Giannikaki, Greece, 2013
Dr. Maria Borisenkova, Russia, 2013
Mr. James Risk, Scotland, 2013 (veterinary student)
Dr. Jorge Emilio Caballeros Haeussler, Guatemala, 2012
Dr. James Rushton, Austria, 2012
Dr. Maria Borisenkova, Russia, 2012
Dr. Franziska Matheis, Germany and Switzerland, 2011
Dr. Julia Deutsch, Austria, 2011
Dr. Paula Galera, Brazil 2011-2012
Dr. Margareta Larsen, Sweden, 2010
Dr. Dave Rendle, RVC, London 2010
Dr. Amy Treadwell, USA, 2010
Dr. Silvia Stadler, Austria, 2010
Dr. Yvonne Johansen, Denmark, 2010
Dr. Lena Ström, Sweden, 2010
Dr. Eugenia Bermudez-Jimenez, Costa Rica, 2010
Dr. Tine Schliewert, Germany, 2010
Dr. Bianca Martins, Brazil, 2008, 2009, 2010
Dr. Min Su Kim, Korea, 2008, 2009
Dr. Kira Epstein, University of Georgia, 2008
Dr. Sarah Buisson, France, 2008
Dr. Anastasia Komnenou, Greece, 2008
Dr. Anna Leticia Souza, Brazil, 2007, 2008, 2009
Dr. Jami Whiting, Dubai, 2007
Dr. Sebastian Monclin, Belgium, 2007
Dr. Maurilio Rosa, Brazil, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013
Dr. Michala Henriksen, Denmark, 2006, 2007, 2008, 2009
Dr. Gil Ben-Shlomo, Israel, 2006
Dr. Marc Burin des Roziers, France, 2006
Dr. Sue Manning, UK, 2006

Dr. Richard McMullen, Germany, 2005
Dr. Ann Cook, North Carolina, USA, 2005
Dr. Nunzio D'Anna, Italy, 2005

TEACHING EXPERIENCE

University of Florida College of Veterinary Medicine

Course Coordination:

- VEM 5110c – Introduction to Ophthalmology (1st year DVM students, required): 2013-present
- VEM 5243 – Equine Ophthalmology (3rd year DVM students, elective): 2007-present
- VEM 5242 – Small Animal Ophthalmology (4th years DVM students, elective): 2009-2011
- VEM 5241 – Current Concepts in Veterinary Ophthalmology (2nd year DVM students, required): 2010-2017
- VME 6905 - Independent Study (MS and PhD students) 2014-present
- VME 6971 - Masters Research (MS students) 2014-present
- VEM 5877 – Ophthalmology Clerkship (3rd and 4th year DVM students, elective): 2012-2017 (26 clerkship rotations per year)

Lectures:

- VEM 5110C – Introduction to Ophthalmology (1st year DVM students, required)
 - Neuro-ophthalmology, 2004-present (2 hours per year)
 - Entire course, 2013-present (10 hours lecture per year)
- VEM 5241 - Veterinary Ophthalmology (2nd year DVM students, required), 2005-present (4-16 hours per year)
- VEM 5242 - Small Animal Ophthalmology (4th year DVM students, elective), 2005-present (4-16 hours per year)
- VEM 5243 - Equine Ophthalmology (3rd year DVM students, elective), 2007-present (12-14 hours per year)
- VEM 5286 - Clinical Pharmacology: Ophthalmic Pharmacology (2nd year DVM students, required), 2012- 2017 (2 hours per year)
- VEM 5355 - Ruminant Medicine: Ruminant Ophthalmology (3rd year DVM students, elective), 2010- present (1 hour per year)
- VEM 5311 - Avian Medicine and Surgery: Avian Ophthalmology (3rd year DVM students), 2014-present (1 hour)
- National Board Review Session (NAVLE) for senior veterinary students: Ophthalmology, 2005 –present. (2-4 hours per year)
- Lecture to Small Animal Rotating Interns: The Ophthalmic Examination and Ophthalmic Emergencies, 2017-present (2 hours per year)
- Lecture to Emergency and Critical Care (ECC) Residents: Small Animal Emergency Ophthalmology, 2018-present (2 hours per year)
- Lecture to WZAAM Club Exotics Animal Lunch Series: The Eyes Have It (Spectacular Diseases in Snakes) 2020-present

Laboratories:

- VEM 5110c, Introduction to Ophthalmology: Anatomy and Histology Laboratory, 2013-present (*4 hours per year*)
- VEM 5241, Veterinary Ophthalmology: Diagnostics laboratory, Surgery Laboratory, 2004-present (*8 hours per year*)
- VEM 5243, Equine Ophthalmology: Diagnostic and Surgical Laboratory, 2007-present (*3 hours per year*)
- UFCVM Emergency Medicine Club laboratory: Surgical repair of eyelid lacerations, ptosis. 2009, 2010, 2011 (*4 hours, lecture and lab*)
- Student Chapter of the American Association of Equine Practitioners (SCAAEP) Wet Lab: The Equine Ophthalmic Examination. 2015 (*4 hours, lecture and lab*)
- Student Chapter of the American Association of Equine Practitioners (SCAAEP) Wet Lab: Placement of a Subpalpebral Lavage Treatment System. 2016, 2017, 2018. (*3 hours per year*)
- Large Animal Internal Medicine Equine Special Elective Clerkship Wetlab: Examination Techniques, Ocular Ultrasonography, Flushing NLD. 2019. (*4 hours*)

Clinical Instruction:

- VEM 5877 – Ophthalmology Clerkship (3rd and 4th year DVM students, elective) – 2010-present *20-36 weeks per year*
- VEM 5877 – Ophthalmology Clerkship (3rd and 4th year DVM students, required) – 2004-2010 *20-36 weeks per year*
- VEM 5879 – Advanced Ophthalmology Clerkship (4th year DVM students, elective) – 2004-2010 *32-36 weeks per year*

Individual Student Instruction:

- VEM 5991 - Student Individualized Investigation, Summer 2013, 2017, 2018, 2019

Graduate Student Instruction:

- VME 6936 - Seminars in Medicine, 2008, 2010, 2014-present (*1 hour per year*)
- VME 6905 - Independent Study, 2014-present
- VME 6971 - Masters Research, 2014-present
- VME 7980 – Doctoral Research, 2018-present
- House Officer Image Recognition Rounds (*16-26 hours per year*)
- House Officer Histopathology Rounds (*6-12 hours per year*)
- House Officer Mock Examinations (*6-8 hours per year*)
- House Officer Surgery Instruction (cadaver practice outside of clinical practice, *10-20 hours per year*)

Seminars to Faculty, House Officers and Students:

- *Ophthalmic Manifestations of Endocrine Disease in Small Animals*, March 2005
- *Advances in Ophthalmic Surgery at the UFCVM*, March 2006
- *Canine Glaucoma*, March 2006

Purdue University School of Veterinary Medicine

- Seminars to Faculty, House Officers and Students
 - *Ocular toxoplasmosis*, November 2003
- Clinical supervision of 4th year students on the ophthalmology clerkship, July 2003-December 2003

Michigan State University College of Veterinary Medicine

- Seminar to College Faculty, House Officers and Students
 - *It's a Matter of Perception: Visual pathways and the differential visual capacity of different species*, June 2003
- Clinical Skills (pre-clinical students); *Physical Examination Procedures*, Fall 2002 and Spring 2003
- Clinical Skills (pre-clinical students): *The Orthopedic Examination*, Fall 2002 and Spring 2003
- Clinical Skills (pre-clinical students): *The Neurologic Examination*, Fall 2002 and Spring 2003
- Clinical Skills (pre-clinical students): *The Ophthalmic Examination*, Fall 2002 and Spring 2003
- Anatomy: *The Ophthalmic Examination*, Spring 2003
- Clinical supervision of 3rd and 4th year students on clerkships, June 2002- June 2003

PROFESSIONAL AND SCIENTIFIC ORGANIZATIONS AND SOCIETIES

American College of Veterinary Ophthalmologists (2006-present)
American Veterinary Medical Association (1998-present)
International Equine Ophthalmology Consortium (2009-present)
American Association of Equine Practitioners (2014-2016)
American Animal Hospital Association (1998-2003)
Florida Veterinary Medical Association (1998-2003; 2008-2012)

LICENSURE

Florida Veterinary License, VM 8549 (active)
Kentucky Veterinary License, NS-KY-4114 (inactive)
Vermont Veterinary License, 052.0103979 (active)

MAJOR COMMITTEE ASSIGNMENTS

International Equine Ophthalmology Consortium
Symposium Committee member, 2010-2012
Executive Board member, 2009-present
Secretary/Treasurer 2009-present

American Board of Veterinary Ophthalmology

Maintenance of Certification Committee member, 2013-2018; chair 2016-2018
Vision for Animal Foundation Auction Committee member, 2018-present
Vision for Animals Glaucoma Consortium member, 2017-present
Examination Committee member, 2018-present

University of Florida

Faculty Senator (UFCVM Representative), August 2012- May 2015

University of Florida College of Veterinary Medicine

SACS Administrative Council, February 2020-present
Administrative Council, 2019-present; co-Chair 2019-2020
Faculty Council, 2017-present; co-Chair 2017-2018; Chair 2018-2019
Tenure and Promotion, July 2014-2017
Curriculum Review Committee, Member, 2014 - 2016
Ophthalmology Service Chief, April 2012-July 2017
Residency Coordinator, Ophthalmology, December 2006-December 2014; September 2017-present.
Residency Committee Member, December 2006-December 2014; September 2017-present
Clinical Efficiency Task Force, Member, 2013
Research Committee, July 2008-2011
Student-Faculty Communications Committee, July 2007-2009
Awards and Scholarships, July 2006-2009

Search Committees:

Large Animal Medicine Faculty Search Committee, Member, 2006
Ophthalmology Faculty Search Committee, Member, 2011
Ophthalmology Faculty Search Committee, Member and Chair, 2014
Dermatology Faculty Search Committee Member, 2014
Associate Dean for Clinical Services Search Committee, Member, 2015
Ophthalmology Faculty Search Committee, Member and Chair, 2015
Associate Dean for Students and Instruction Search Committee, Member, 2015-16
Large Animal Medicine Faculty Search Committee, Member, 2016
Soft Tissue Surgery Faculty Search Committee, Member, 2016
Miami-Dade Animal Services Shelter Medicine Faculty Search Committee,
Member and Chair, 2016-17
Preeminent Faculty in Regenerative Medicine Search Committee, Member, 2017
Ophthalmology Faculty Search Committee, Member, 2018
Associate Dean for Strategic Initiatives, Member 2019
Ophthalmology Faculty Search Committee, Member and Chair, 2020

Michigan State University

Departmental Committees: Internship Selection Committee, July 2002-July 2003.

Yale University

Alumni Schools Committee, 2002-present

EDITORIAL ASSIGNMENTS

Ad Hoc Reviewer For

Veterinary Ophthalmology
American Journal of Veterinary Research
Journal of Visualized Experimentation
Journal of the American Animal Hospital Association
Veterinary Clinical Pathology
Today's Veterinary Practice
Equine Veterinary Journal
Equine Veterinary Education
Clinical and Experimental Ophthalmology (human)
Journal of American Veterinary Medical Association
Veterinary Record
Journal of Equine Veterinary Science
NAVC Clinician's Brief
New Zealand Veterinary Journal
Veterinary Medicine
Journal of Veterinary Medical Education
Investigative Ophthalmology and Visual Science (human)

External Reviewer of Promotion and Tenure Applications

Cornell University College of Veterinary Medicine

AWARDS, PRIZES AND HONORS

FVMA Clinical Investigator of the Year Award, April 2019
2017-2018 UF Term Professorship Award, August 2017
Induction into the Yale Ophthalmology Society, June 2017
Winn Feline Foundation Clinician Honor (Client nominated), 2017
2015 University of Florida Superior Accomplishment Award, Division 5
Best Clinical Poster Presentation- ACVO Annual Meeting, October 2005
Mark Bloomberg Scholarship - Overall Excellence for Veterinary Graduate,
Pursuing Further Training in an Internship Program, May 2002
Beatriz Luz Scholarship - Excellence in Internal Medicine, May 2002
Merck Manual Award - Top Ten Percent of Veterinary Class, May 2002
Phi Zeta Veterinary Honor Society - College of Veterinary Medicine,
University of Florida (June 2001-present)
National Science Scholar - National Science Foundation (1994-1997)

Mentee Awards:

UFCVM Excellence in Basic Science Research Award (Dr. Renata Ramos), 27 March 2016
UFCVM Excellence in Clinical Research Award (Dr. William Berkowski), 27 March 2016
Phi Zeta Best in Show Graduate Student Research Competition, UFCVM (Dr. William Berkowski), 27 March 2016

21st Annual University of Florida Outstanding International Student (Dr. Renata Ramos), 15 November 2015