

Resident Name	Institute	Grant Title	Amount	Year Grant Awarded	Year of Presentation
Brad Holmberg	University of California-Davis	Identification and characterization of lactoferrin in tears of domestic felids	\$5,000.00	2003	2004
Gia Klauss	University of Missouri-Columbia	Photodynamic therapy for the treatment of periocular squamous cell carcinoma in horses	\$5,000.00	2003	2004
Christin Fahrer	Eye Care for Animals	Effect of topical sodium chloride ophthalmic ointment on corneal thickness and healing in dogs with non-healing or recurrent epithelial erosions	\$5,000.00	2003	2005
Federica Maggio	North Carolina State University	Plasma and aqueous humor cytokine profiles in normal horses and horses with equine recurrent uveitis	\$5,000.00	2003	
Debra Agapito	Eye Care for Animals	Matrix metalloproteinases in pre-corneal tear film from cats with ulcerative keratitis	\$5,000.00	2003	2004
Juri Ota	University of Missouri-Columbia	Developing a murine model of equine ocular squamous cell carcinoma	\$5,000.00	2004	2006
Eric Ledbetter	North Carolina State University	Pathogenic phenotype of Pseudomonas aeruginosa isolates from canine and equine ulcerative keratitis and normal extraocular flora	\$5,000.00	2004	2006
Alison Clode	Cornell University	Ocular penetration of topical voriconazole in horses	\$4,970.00	2004	2005
Caroline Betbeze	Purdue University	Comparison of in vitro activities of 1% silver sulfadiazine cream, a compounded 1% silver sulfadiazine suspension, and 5% natamycin ophthalmic suspension on isolates of pathogenic fungi (aspergillus, fusarium, cladosporium and penicillium spp.	\$2,000.00	2004	2005
Heather Low	Colorado State University	Quantification of feline herpesvirus-1 DNA from the conjunctiva of cats with and without conjunctivitis	\$4,920.00	2004	2005
Vanessa Kuonen	The Ohio State University	Long term histological effect of semi-conductor diode laser transscleral cyclophotocoagulation on the normal equine eye	\$5,000.00	2004	2005
Doug Esson	Eye Care for Animals	Evaluation of the effect of laser cytophotocoagulation on the success of glaucoma drainage implant surgery in a rabbit model	\$5,000.00	2004	2005

Mario Hodgson	Advanced Animal Eye Care	Inhibition of Proliferation is required for Successful Migration: The Role of p15INK4b in Corneal Wound Healing	\$5,000.00	2005	2006
Simon Pot	University of Wisconsin-Madison	Evaluation of the inhibitory effect of functionalized intraocular lenses on the occurrence of posterior capsule opacification.	\$5,000.00	2005	2008
William Weinstein	The University of Georgia	Identification of ocular tissue MMPs within the aqueous humor outflow pathway in the canine eye.	\$3,000.00	2005	2006
Brendan Mangan	Colorado State University	Mechanisms of oxidative stress in canine glaucoma	\$4,000.00	2005	2006
Nancy McLean	University of Tennessee	Comparison of the blood-aqueous barrier stabilizing effects of a one week pre-operative course versus an immediate pre-operative course of topical 1 % prednisone acetate in dogs undergoing phacoemulsification	\$5,000.00	2005	2007
Sinisa Grozdanic	Iowa State University	Role of tumor necrosis alpha (TNF-alpha) and its signaling pathways in glaucoma	\$5,000.00	2005	
Dara Zirotsky	Colorado State University	Inflammation and Vessel Obliteration in the Retinas of Dogs with Primary Glaucoma.	\$4,782.00	2006	2008
Kathern Myrna	University of Wisconsin-Madison	Effect of Local Anesthetic Retrobulbar Block on Postoperative Pain Following Enucleation of Canine Eyes: A Randomized, Double-masked, Prospective Clinical Trial.	\$3,000.00	2006	2009
Richard McMullen	North Carolina State University	Development of an Intraocular Lens Implant for Horses	\$5,000.00	2006	2008
Chris Pirie	Tufts Cumming	Combined Application of Latanoprost 0.005% and Flurbiprofen 0.03% on Healthy Canine Eyes: A Controlled Study.	\$4,997.00	2006	2007
Hans Westermeye	University of Tennessee	Pharmacokinetics of topically applied ciprofloxacin and moxifloxacin in equine tears, cornea, and aqueous humor	\$5,000.00	2007	2009
Sara Thomasy	University of California - Davis	Pharmacokinetics of penciclovir following intravenous penciclovir or oral famciclovir administration in cats	\$5,000.00	2007	2009
Laura Barnes	University of Missouri-Columbia	Localized photodynamic therapy for squamous cell carcinoma: the effect of time between intralesional injection to laser irradiation	\$5,000.00	2007	

Tina Fife	Eye Care for Animals	Pharmacokinetics and pharmacodynamics of anti-glaucoma drugs after transscleral drug delivery via an implanted episcleral device in New Zealand White rabbits	\$5,000.00	2007	2008
Mitzi Zarfoss	University of Illinois	Canine preiridal fibrovascular membranes: a morphologic and immunohistochemical investigation	\$5,000.00	2007	2009
Allyson Groth	University of California - Davis	Mechanism of action against feline herpesvirus type-1 of famciclovir, penciclovir and BRL 42359	\$4,611.00	2008	2010
Nathan Kice	Cornell University	Experimental reactivation of latent canine herpesvirus-1 ocular infection during administration of topical ophthalmic prednisolone acetate	\$5,000.00	2008	2009
Laura Barnes	University of Missouri-Columbia	Cellular localization of Visudyne® as a function of time after intralesional (local) injection for photodynamic therapy; a preliminary investigation into the mechanism of tumor cell death	\$5,000.00	2008	2009
Amanda Parton	University of Pennsylvania	Effect of Intravitreal ciliary Neurotrophic Factor (CNTF) on structure, function and gene expression of normal canine retinas	\$5,000.00	2008	2009
Josh Broadwater	Animal Eye Specialty Clinics of S	The effects of matrix metalloproteinases on ciliary zonular degradation in feline lens luxation	\$4,500.00	2008	2009
Dylan Buss	University of Missouri - Columbia	MMC: A potential inhibitor of corneal fibrosis in horses	\$5,000.00	2009	2010
DJ Haeussler	The Ohio State University	The Effects of Hyaluronic Acid on Lenticular Epithelial Migration In Vitro	\$5,000.00	2009	2010
Patricia Mundy	Cornell University	Cyclophosphamide reactivation of latent canine herpesvirus-1	\$5,000.00	2009	2010
Diana Pate	North Carolina State University	Immunohistochemical and Immunopathologic Characterization of Superficial Stromal Immune Mediated Keratitis in Horses	\$5,000.00	2009	2010
Ann Bosiak	University of Missouri - Columbia	Gene therapy in the canine cornea: efficacy and safety of a novel therapeutic strategy	\$5,000.00	2010	2011
Thomas Chen	Colorado State University	Abnormal distribution or inhibition of EAAT3 may lead to oxidative stress in glaucoma	\$5,000.00	2010	

Jay Harrington	North Carolina State University	Correlation of clinical and histologic effects of diode laser endoscopic cyclophotocoagulation on the normal equine eye	\$5,000.00	2010	2011
Elizabeth Lutz	The Ohio State University	Impact of cyclosporine A on lens epithelial cell apoptosis and corneal endothelial viability	\$5,000.00	2010	2011
Nicolin Gallhoefer	University of Zurich	Determination of UV-A/Riboflavin corneal collagen cross-linking (CXL) induced penetration depth in ex vivo rabbit and equine eyes using fluorescent biomarkers	\$5,000.00	2011	
Eric Miller	The Ohio State University	Effects of three common antioxidants on posterior capsule opacification in vitro	\$5,000.00	2011	2013
Ann Strom	University of California - Davis	In vivo canine ocular imaging using optical coherence tomography and confocal microscopy	\$5,000.00	2011	2013
Ryan Boyd	Michigan State University	Evaluation of a next-generation rAAV vector for efficient inner retinal transduction - moving toward long-term neuroprotection in canine glaucoma	\$5,000.00	2012	
Sean Collins	University of Illinois	Tear film concentrations of doxycycline following oral administration in dogs	\$4,990.00	2012	
Kevin Donnelly	University of Missouri	Anti-fibrotic gene therapy in the equine cornea with polyethylenimine nanoparticle-mediated decorin delivery	\$5,000.00	2012	
Erin Scott	University of Wisconsin-Madison	Active and latent TGF-B2 concentrations in the aqueous humor of dogs with open angle glaucoma	\$4,145.00	2012	
LaTisha Taylor	Purdue University	Comparison of ultrasound biomicroscopy and standard ocular ultrasonography for detection of canine uveal cysts	\$4,582.00	2012	
Breanna Brash	The Ohio State University	The Effect of Trypan Blue of Posterior Capsule Opacification in an Ex Vivo Model	\$5,000.00	2013	
Kristina Gronkiewicz	University of Missouri	Ocular Safety and Efficacy of SAHA for the Treatment of Canine Corneal Fibrosis: An In Vivo Pilot Study	\$5,000.00	2013	
Brian Leonard	University of California - Davis	Evaluation of Canine Corneal Epithelial Mucin Expression: An Investigation Towards the Development of Novel Therapeutics for KCS	\$5,000.00	2013	

Kyle Toffelmire	Iowa State University	Effect of topical 0.005% latanoprost and 0.1% diclofenac in Combination on Normal Horses	\$4,937.00	2013	
K. Tomo Wiggans	University of California - Davis	Immunohistochemical Investigation of Melan-A, PNL2, and Ki-67 (MIB1) in Feline Diffuse Iris Melanomas	\$5,000.00	2013	
Sydney Cartiff	University of California - Davis	The Use of a Heat Shock Protein Inhibitor (17AAG) for the Treatment of Corneal Stromal Haze in vivo	\$5,000.00	2014	
Alexis Dubin	Colorado State University	Identification of Novel Lymphatic Channels within the Canine Ciliary Body Using Podoplanin, Prox-1, and Lyve-1	\$5,000.00	2014	
Todd Marlo	University of Missouri	Development of an ex vivo Equine Corneal Fibrosis	\$5,000.00	2014	
Amanda Sherman	North Carolina State University	Effect of Bone Marrow-Derived Mesenchymal Stem Cells and Stem Cell Supernatant on Equine Corneal Wound Healing in vitro	\$5,000.00	2014	
<b>TOTAL FUNDS AWARDED</b>			<b>#####</b>		