

Resident Name	Institute	Grant Title	Amount	Year Grant	Year of Presentation
Brad Holmberg	University of California-Davis	Identification and characterization of lactoferrin in tears of domestic felids	5000	2003	2004
Gia Klauss	University of Missouri-Columbia	Photodynamic therapy for the treatment of periocular squamous cell carcinoma in horses	5000	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	5000	2003	2005
Federica Maggio	North Carolina State University	Plasma and aqueous humor cytokine profiles in normal horses and horses with equine recurrent uveitis	5000	2003	no abstract found
Debra Agapito	Eye Care for Animals	Matrix metalloproteinases in pre-corneal tear film from cats with ulcerative keratitis	5000	2003	2004
Juri Ota	University of Missouri-Columbia	Developing a murine model of equine ocular squamous cell carcinoma	5000	2004	2006
Eric Ledbetter	North Carolina State University	Pathogenic phenotype of Pseudomonas aeruginosa isolates from canine and equine ulcerative keratitis and normal extraocular flora	5000	2004	2006
Alison Clode	Cornell University	Ocular penetration of topical voriconazole in horses	4970	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.	2000	2004	2005
Heather Low	Colorado State University	Quantification of feline herpesvirus-1 DNA from the conjunctiva of cats with and without conjunctivitis	4920	2004	2005
Vanessa Kuonen	The Ohio State University	Long term histological effect of semi-conductor diode laser transscleral cyclophotocoagulation on the normal equine eye	5000	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	5000	2004	2005

Mario Hodgson	Advanced Animal Eye Care	Inhibition of Proliferation is required for Successful Migration: The Role of p15INK4b in Corneal Wound Healing	5000	2005	2006
Simon Pot	University of Wisconsin-Madison	Evaluation of the inhibitory effect of functionalized intraocular lenses on the occurrence of posterior capsule opacification.	5000	2005	2008
William Weinstein	The University of Georgia	Identification of ocular tissue MMPs within the aqueous humor outflow pathway in the canine eye.	3000	2005	2006
Brendan Mangan	Colorado State University	Mechanisms of oxidative stress in canine glaucoma	4000	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	5000	2005	2007
Sinisa Grozdanic	Iowa State University	Role of tumor necrosis alpha (TNF-alpha) and its signaling pathways in glaucoma	5000	2005	no abstract found
Dara Zirofsky	Colorado State University	Inflammation and Vessel Obliteration in the Retinas of Dogs with Primary Glaucoma.	4782	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.	3000	2006	2009
Richard McMullen Jr.	North Carolina State University	Development of an Intraocular Lens Implant for Horses	5000	2006	2008
Chris Pirie	Tufts Cumming	Combined Application of Latanoprost 0.005% and Flurbiprofen 0.03% on Healthy Canine Eyes: A Controlled Study.	4997	2006	2007
Hans Westermeyer	University of Tennessee	Pharmacokinetics of topically applied ciprofloxacin and moxifloxacin in equine tears, cornea, and aqueous humor	5000	2007	2009
Sara Thomasy	University of California - Davis	Pharmacokinetics of penciclovir following intravenous penciclovir or oral famciclovir administration in cats	5000	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	5000	2007	no abstract found

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	5000	2007	2008
Mitzi Zarfoss	University of Illinois	Canine preiridal fibrovascular membranes: a morphologic and immunohistochemical investigation	5000	2007	2009
Allyson Groth	University of California - Davis	Mechanism of action against feline herpesvirus type-1 of famciclovir, penciclovir and BRL 42359	4611	2008	2010
Nathan Kice	Cornell University	Experimental reactivation of latent canine herpesvirus-1 ocular infection during administration of topical ophthalmic prednisolone acetate	5000	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	5000	2008	2009
Amanda Parton	University of Pennsylvania	Effect of Intravitreal ciliary Neurotrophic Factor (CNTF) on structure, function and gene expression of normal canine retinas	5000	2008	2009
Josh Broadwater	Animal Eye Specialty Clinics of South Florida	The effects of matrix metalloproteinases on ciliary zonular degradation in feline lens luxation	4500	2008	2009
Dylan Buss	University of Missouri - Columbia	MMC: A potential inhibitor of corneal fibrosis in horses	5000	2009	2010
DJ Haeussler	The Ohio State University	The Effects of Hyaluronic Acid on Lenticular Epithelial Migration In Vitro	5000	2009	2010
Patricia Mundy	Cornell University	Cyclophosphamide reactivation of latent canine herpesvirus-1	5000	2009	2010
Diana Pate	North Carolina State University	Immunohistochemical and Immunopathologic Characterization of Superficial Stromal Immune Mediated Keratitis in Horses	5000	2009	2010
Ann Bosiak	University of Missouri - Columbia	Gene therapy in the canine cornea: efficacy and safety of a novel therapeutic strategy	5000	2010	2011
Thomas Chen	Colorado State University	Abnormal distribution or inhibition of EAAT3 may lead to oxidative stress in glaucoma	5000	2010	no abstract found

Jay Harrington	North Carolina State University	Correlation of clinical and histologic effects of diode laser endoscopic cyclophotocoagulation on the normal equine eye	5000	2010	2011
Elizabeth Lutz	The Ohio State University	Impact of cyclosporine A on lens epithelial cell apoptosis and corneal endothelial viability	5000	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	5000	2011	2013
Eric Miller	The Ohio State University	Effects of three common antioxidants on posterior capsule opacification in vitro	5000	2011	2013
Ann Strom	University of California - Davis	In vivo canine ocular imaging using optical coherence tomography and confocal microscopy	5000	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	5000	2012	2014
Sean Collins	University of Illinois	Tear film concentrations of doxycycline following oral administration in dogs	4990	2012	2014
Kevin Donnelly	University of Missouri	Anti-fibrotic gene therapy in the equine cornea with polyethylenimine nanoparticle-mediated decorin delivery	5000	2012	2013
Erin Scott	University of Wisconsin-Madison	Active and latent TGF-B2 concentrations in the aqueous humor of dogs with open angle glaucoma	4145	2012	2013
LaTisha Taylor	Purdue University	Comparison of ultrasound biomicroscopy and standard ocular ultrasonography for detection of canine uveal cysts	4582	2012	2013
Breanna Brash	The Ohio State University	The effect of trypan blue on posterior capsule opacification in an ex vivo canine model	5000	2013	2015
Kristina Gronkiewicz	University of Missouri	Ocular safety and efficacy of SAHA for the treatment of canine corneal fibrosis: An in vivo pilot study	5000	2013	2015
Brian Leonard	University of California - Davis	Evaluation of canine corneal epithelial mucin expression: an investigation towards the development of novel therapeutics for KCS	5000	2013	2014
Kyle Tofflemire	Iowa State University	Effect of topical 0.005% latanoprost and 0.1% diclofenac in combination on normal horses	4937	2013	2015

K. Tomo Wiggans	University of California - Davis	Immunohistochemical investigation of melan-A, PNL2, and Ki-67 (MIB1) in feline diffuse iris melanomas	5000	2013	2014
Sydney Cartiff	University of California - Davis	The use of a heat shock protein 90 inhibitor (17AAG) for the treatment of corneal stromal haze	5000	2014	
Alexis Dubin	Colorado State University	Identification of novel lymphatic channels within the canine ciliary body using podoplanin, Prox-1, and Lyve-1	5000	2014	
Todd Marlo	University of Missouri - Columbia	Development of an ex vivo model of equine corneal fibrosis	5000	2014	2015
Amanda Sherman	North Carolina State University	Effect of bone marrow-derived mesenchymal stem cells and stem cell supernatant on equine corneal wound healing	5000	2014	
Ann Cooper	University of California - Davis	Comparison of longitudinal changes in chromatic pupillometry in normal dogs and dogs with sudden acquired retinal degeneration or optic pathway disease	2600	2015	
Shin Ae Park	Michigan State University	Relationship between optic nerve axon counts and clinical assessments of retinal function and structure in dogs	5000	2015	
Whitney Young	North Carolina State University	Therapeutic efficacy of mycophenolate mofetil in the treatment of SARDS in canine patients	5000	2015	
Kathleen Bedard	University of Georgia	Comparison of two different visual aid devices in aiding navigation in a population of irreversibly blind dogs	5000	2016	
Samantha Pederson	Colorado State University	Canine corneal astigmatism following sutured dorsonasal versus dorso-temporal clear corneal incisions	3713	2016	
Elizabeth Schaefer	The University of Missouri	Detection of DNA viral pathogens in canine lobular orbital adenomas	5000	2016	
Becky Telle	University of Wisconsin-Madison	Development and validation of new methods to visualize conventional aqueous outflow pathways in canine glaucoma	5000	2016	
TOTAL FUNDS AWARDED			\$305,747.00		