

CURRICULUM VITA

ANNE J. GEMENSKY METZLER
Department of Veterinary Clinical Sciences
The Ohio State University College of Veterinary Medicine
601 Vernon L. Tharp St
Columbus, OH 43210
Tel: 614-514-3738
Fax: 614-292-7667
Metzler.134@osu.edu

CURRENT POSITION

October 2011-present Professor-Clinical
Service Head - Ophthalmology
Department of Veterinary Clinical Sciences
The Ohio State University College of Veterinary Medicine
Columbus, Ohio

EDUCATION

1987-1991 Bachelor of Science, Biology
Wheeling Jesuit College
Wheeling, West Virginia

1991-1995 Doctor of Veterinary Medicine
The Ohio State University College of Veterinary Medicine
Columbus, Ohio

1995-1996 Rotating internship in small animal medicine and surgery
Michigan Veterinary Specialists
21600 West Eleven Mile Road
Southfield, Michigan

1997-2000 Resident in comparative ophthalmology
The Ohio State University College of Veterinary Medicine
Columbus, Ohio

1997-2000 Master of Science, Veterinary Clinical Sciences
The Ohio State University College of Veterinary Medicine
Columbus, Ohio

2000 Diplomate of the American College of Veterinary Ophthalmologists

PROFESSIONAL EXPERIENCE

October 2011-present	Professor-Clinical Department of Veterinary Clinical Sciences The Ohio State University College of Veterinary Medicine Columbus, Ohio
October 2005-2011	Associate Professor-Clinical Department of Veterinary Clinical Sciences The Ohio State University College of Veterinary Medicine Columbus, Ohio
May 2001-2005	Assistant Professor-Clinical Department of Veterinary Clinical Sciences The Ohio State University College of Veterinary Medicine Columbus, Ohio
July 2000-May 2001	Clinical Instructor, Comparative Ophthalmology The Ohio State University College of Veterinary Medicine Columbus, Ohio
1996-1997	Associate veterinarian Gahanna Animal Hospital 144 W. Johnstown Road Gahanna, Ohio

OTHER CERTIFICATION/TRAINING

July 2010	Bayer Animal Health Communications Project
March 2010	The College of Veterinary Medicine's Strategic Leadership Team Training through the Center of Creative Leadership's onsite workshop on Strategic Leadership, Influencing and Innovation
Dec 2011-April 2013	The President and Provost's Leadership Institute The Ohio State University
March 2012	OSU Office of Research Training and Education Occupational Health and Safety Training

Jan 2014-present Institutional Animal Care and Use Training
OSU Office of Research

Dec 2014-present Globally Harmonized System (GHS) Training

Sept 2018-April 2019 Big Ten Academic Alliance Academic Leadership Program
<http://www.btaa.org/leadership/alp/introduction>

CLINICAL SPECIALTY

Comparative Ophthalmology - Medical and surgical care of small animal, large animal and exotic species

TEACHING INTERESTS

Comparative ophthalmology
Equine ophthalmology
Communications

RESEARCH INTERESTS

Equine glaucoma
Corneal wound healing
Lens and corneal physiology
Cataract surgical procedures and outcomes

TEACHING

a) Graduate Teaching

G/P	Quarter/ Semester & Year	Course Number, Title and # Cr Hr	Enrollment	% Course Taught	describe if not 100%
G	Autumn 2021	VCS 8833.11 Vet Oc Surg Tech 2, 1 cred	3	10%	Team taught
G	Autumn 2021	VCS 8895.12 Advanced Topics Ophthalmology, 1 cred	3	33%	Team taught
G	Autumn 2021	VCS 8896.09 Comparative Ocular Histology I, 1 cred	3	33%	Team taught
G	Autumn 2021	VCS 8894.01 Conference of Advanced Ophthalmology I, 1 cred	3	33%	Team taught

G	Summer 2021	VCS 8896.10 Comparative Ocular Histology II, 1 cred	2	33%	Team taught
G	Summer 2021	VCS 8894.02 Advanced Comparative Clinical Ophthalmology II, 1 cred	2	33%	Team taught
G	Spring 2021	VCS 8896.11 Comparative Ocular Histology III, 1 cred	3	33%	Team taught
G	Spring 2021	VCS 8894.03 Advanced Comparative Clinical Ophthalmology III, 1 cred	3	33%	Team taught
G	Spring 2021	VCS 8833.10 Vet Oc Surg Tech 1, 1 cred	3	20%	Team taught
G	Autumn 2020	VCS 8833.11 Vet Oc Surg Tech 2, 1 cred	3	10%	Team taught
G	Autumn 2020	VCS 8895.12 Advanced Topics Ophthalmology, 1 cred	3	33%	Team taught
G	Autumn 2020	VCS 8896.09 Comparative Ocular Histology I, 1 cred	3	33%	Team taught
G	Autumn 2020	VCS 8894.01 Conference of Advanced Ophthalmology I, 1 cred	3	33%	Team taught
G	Summer 2020	VCS 8896.10 Comparative Ocular Histology II, 1 cred	2	33%	Team taught
G	Summer 2020	VCS 8894.02 Advanced Comparative Clinical Ophthalmology II, 1 cred	2	33%	Team taught
G	Spring 2020	VCS 8896.11 Comparative Ocular Histology III, 1 cred	3	33%	Team taught
G	Spring 2020	VCS 8894.03 Advanced Comparative Clinical Ophthalmology III, 1 cred	3	33%	Team taught
G	Autumn 2019	VCS 8895.12 Advanced Topics Ophthalmology, 1 cred	3	33%	Team taught
G	Autumn 2019	VCS 8896.09 Comparative Ocular Histology I, 1 cred	3	33%	Team taught
G	Autumn 2019	VCS 8894.01 Conference of Advanced Ophthalmology I, 1 cred	3	33%	Team taught
G	Summer 2019	VCS 8896.10 Comparative Ocular Histology II, 1 cred	2	33%	Team taught
G	Summer 2019	VCS 8894.02 Advanced Comparative Clinical Ophthalmology II, 1 cred	2	33%	Team taught
G	Spring 2019	VCS 8896.11 Comparative Ocular Histology III, 1 cred	3	33%	Team taught
G	Spring 2019	VCS 8894.03 Advanced Comparative Clinical Ophthalmology III, 1 cred	3	33%	Team taught

G	Autumn 2018	VCS 8833.11 Vet Oc Surg Tech 2, 1 cred	3	25%	Team taught
G	Autumn 2018	VCS 8895.12 Advanced Topics Ophthalmology, 1 cred	3	45%	Team taught
G	Autumn 2018	VCS 8896.09 Comparative Ocular Histology I, 1 cred	3	45%	Team taught
G	Autumn 2018	VCS 8894.01 Conference of Advanced Ophthalmology I, 1 cred	3	45%	Team taught
G	Summer 2018	VCS 8896.10 Comparative Ocular Histology III, 1 cred	2	40%	Team taught
G	Summer 2018	VCS 8894.02 Advanced Comparative Clinical Ophthalmology III, 1 cred	2	40%	Team taught
G	Spring 2018	VCS 8833.10 Vet Oc Surg Tech 1, 1 cred	3	25%	Team taught
G	Spring 2018	VCS 8896.10 Comparative Ocular Histology II, 1 cred	3	45%	Team taught
G	Spring 2018	VCS 8894.02 Advanced Comparative Clinical Ophthalmology II, 1 cred	3	45%	Team taught
G	Autumn 2017	VCS 8895.12 Advanced Topics Ophthalmology, 1 cred	3	45%	Team taught
G	Autumn 2017	VCS 8896.09 Comparative Ocular Histology I, 1 cred	3	45%	Team taught
G	Autumn 2017	VCS 8894.01 Conference of Advanced Ophthalmology I, 1 cred	3	45%	Team taught
G	Summer 2017	VCS 8896.10 Comparative Ocular Histology III, 1 cred	2	40%	Team taught
G	Summer 2017	VCS 8894.02 Advanced Comparative Clinical Ophthalmology III, 1 cred	2	40%	Team taught
G	Spring 2017	VCS 8896.10 Comparative Ocular Histology II, 1 cred	3	45%	Team taught
G	Spring 2017	VCS 8894.02 Advanced Comparative Clinical Ophthalmology II, 1 cred	3	45%	Team taught
G	Spring 2017	8896.19- Book Club in Comparative Emergency and Critical Care 2	4	10% (2 hr)	Team taught
G	Spring 2017	VCS8844.14 Adv LAIM Seminars-Special Topics, 2 cred	7	10% (2 hr)	Team taught
G	Autumn 2016	VCS 8895.12 Advanced Topics Ophthalmology, 1 cred	3	45%	Team taught
G	Autumn 2016	VCS 8896.09 Comparative Ocular Histology I, 1 cred	3	45%	Team taught
G	Autumn 2016	VCS 8894.01 Conference of Advanced Ophthalmology I, 1 cred	3	45%	Team taught

G	Summer 2016	VCS 8896.10 Comparative Ocular Histology III, 1 cred	2	40%	Team taught
G	Summer 2016	VCS 8894.02 Advanced Comparative Clinical Ophthalmology III, 1 cred	2	40%	Team taught
G	Spring 2016	VCS 8896.10 Comparative Ocular Histology II, 1 cred	3	45%	Team taught
G	Spring 2016	VCS 8894.02 Advanced Comparative Clinical Ophthalmology II, 1 cred	3	45%	Team taught
G	Autumn 2015	VCS 8895.12 Advanced Topics Ophthalmology, 1 cred	3	33%	Team taught
G	Autumn 2015	VCS 8896.09 Comparative Ocular Histology I, 1 cred	3	33%	Team taught
G	Autumn 2015	VCS 8894.01 Conference of Advanced Ophthalmology I, 1 cred	3	33%	Team taught
G	Summer 2015	VCS 8896.10 Comparative Ocular Histology III, 1 cred	2	33%	Team taught
G	Summer 2015	VCS 8894.02 Advanced Comparative Clinical Ophthalmology III, 1 cred	2	33%	Team taught
G	Spring 2015	VCS 8896.10 Comparative Ocular Histology II, 1 cred	2	33%	Team taught
G	Spring 2015	VCS 8894.02 Advanced Comparative Clinical Ophthalmology II, 1 cred	2	33%	Team taught
G	Autumn 2014	VCS 8895.12 Advanced Topics Ophthalmology, 1 cred	2	33%	Team taught
G	Autumn 2014	VCS 8896.09 Comparative Ocular Histology I, 1 cred	2	33%	Team taught
G	Autumn 2014	VCS 8894.01 Conference of Advanced Ophthalmology I, 1 cred	2	33%	Team taught
G	Summer 2014	VCS 8896.10 Comparative Ocular Histology II, 1 cred	2	33%	Team taught
G	Summer 2014	VCS 8894.02 Advanced Comparative Clinical Ophthalmology II, 1 cred	2	33%	Team taught
G	Summer 2014	VCS8844.14 Adv LAIM Seminars-Special Topics, 2 cred	7	10% (2 hr)	Team taught
G	Spring 2014	VCS 8896.10 Comparative Ocular Histology II, 1 cred	2	33%	Team taught
G	Spring 2014	VCS 8894.02 Advanced Comparative Clinical Ophthalmology II, 1 cred	2	33%	Team taught
G	Spring 2014	VCS 8896.19 Emergency Critical Care Book Club, 1 cred	4	14% (3 hr)	Team taught
G	Autumn 2013	VCS 8896.11 Comparative Ocular Histology I, 1 cred	2	33%	Team taught
G	Autumn 2013	VCS 8894.03 Conference of Advanced Ophthalmology I, 1 cred	2	33%	Team taught

G	Autumn 2013	VCS 8895.12 Advanced Topics Ophthalmology, 1 cred	2	33%	Team taught
G	Summer 2013	VCS 823 Veterinary Core Communications Skills Competency, 2 cred	25	11% (2 hr)	Team taught
G	Summer 2013	VCS 8896.10 Comparative Ocular Histology III, 1 cred	2	33%	Team taught
G	Summer 2013	VCS 8894.02 Advanced Comparative Clinical Ophthalmology III, 1 cred	2	33%	Team taught
G	Spring 2013	VCS 8896.10 Comparative Ocular Histology II, 1 cred	2	33%	Team taught
G	Spring 2013	VCS 8894.02 Advanced Comparative Clinical Ophthalmology II, 1 cred	2	33%	Team taught
G	Autumn 2012	VCS 8895.12 Advanced Topics Ophthalmology, 1 cred	2	33%	Team taught
G	Autumn 2012	VCS 8896.09 Comparative Ocular Histology I, 1 cred	2	33%	Team taught
G	Autumn 2012	VCS 8894.01 Conference of Advanced Ophthalmology I, 1 cred	2	33%	Team taught
G	Summer 2012	VCS 823 Veterinary Core Communications Skills Competency, 2 cred	27	11% (2 hr)	Team taught
G	Summer 2011	VCS 823 Veterinary Core Communications Skills Competency, 2 cred	26	11% (2 hr)	Team taught
G	Summer 2011	VS 804 Optometry, 2 cred	6	11% (2 hr)	Team taught
G	Winter 2010	VCS 822.04 Veterinary Medical Neurology, 3 cred	30	5% (1.5 hr)	Team taught
G	Winter 2008	VCS 833.08 Selected Surgery Topics, 2 cred	10	22% (4 hr)	Team taught
G	Summer 2005 and 2002	VCS 822.10 Grad Advanced Ophthalmol, 2 cred	7-10	33% (6 hr)	Team taught

b) Didactic Professional Student Teaching Summary

G/P	Quarter/ Semester & Year	Course Number, Title and # Cr Hr	Enrollment	% Course Taught	Describe if not 100%
P	AU2023	Integrative Problems 2a	166	5% (3 hr)	Team taught
P	AU2023- present	VM6310 Diseases & Diagnosis	166	10% (12 hr)	Team taught
P	AU 2022- present	VM6110 Healthy Animals	166	5% (6 hr)	Team taught
P	AU 2018 - present	VM 6530 Tissue Structure & Function	166	5% (2 hr)	Team taught

P	AU 2001-present	VM 6612 Intro to Ophthalmology, 3	135-166	33% (10-11 hr)	Team taught
P	AU/WI/SP 2001-present	VM 6615.01 Small Animal Operative Practice, 4	69-166	12% (1 lect hr/sem [prev. 1hr/qtr] or sem. + 16 lab hr/semester [prev. 8hr/qtr])	Team taught
P	AU 2012-present	VM 6614.03 Professional Development III, 2	163	10% (1 lect hr + 2-6 lab hrs)	Team taught
P	WI/SP 2011-present	VM 614.04 Professional Development IV, 1 cred	145	10% (3-4 hrs labs)	Team taught
P	WI/SP 2013-present	VM 6614.06 Professional Development VI, 2	139-166	8% (3-4 hrs lab)	Team taught
P	WI 2011	VM 615.02 Small Animal Techniques, 4	72	10% (4 hr)	Team taught
P	WI/SP 2003-present	VCS 7749 Equine Ophthalmology Elective, 2 TEAM LEADER	19-24	90-95% (8-9 lect hrs + 4 hrs lab + eq clinics)	Team taught: some equine clinics taught by other faculty
P	WI 2001 - present	VCS 7762 Clinical Veterinary Ophthalmology Elective, 2	10-40	15-60% (2-8 hrs)	Team taught
P	AU 2013-2019	VCS 7738, Basic Equine Medicine Elective, 2 cred.	66	4% (1 lect hr)	Team taught
P	AU 2013-present	VCS 7733, Equine Medicine Elective, 2 cred	31	4% (1 lect hr)	Team taught
P	WI/SP 2003-2018	VCS 7724 Topics in Feline Medicine, 2	39-75	6% (1 hr)	Team taught
P	WI/SP 2003-2019	VCS 7743 Ferrets, Rabbits/Basic Exotic Animal Med, 2	26-94	12% (2 hr)	Team taught
P	AU or SP 2002-2019	VCS 7727 Companion Bird Med Surg, 2	25-75	10% (2 hr)	Team taught
P	AU 2008	VM 530 Microscopic & Developmental Anatomy, 5	145	8% (2 hr lect, 2 hr lab)	Team taught

c) Clinical Professional Student Teaching Summary

G/P	Quarter & Year	Course Number, Title and # Cr Hr	Enrollment per quarter/semester	% Course Taught	describe if not 100%
P	SP 2013-present	VM 7700.17, Senior Ophthalmology Clinic, 2 TEAM LEADER	34-40	33-50%	Team taught

P	WI 2000-2012	VM 700.12, Senior Ophthalmology Clinic, 2 TEAM LEADER	35-45	60-70%	Team taught
P	AU 2000-2012	VM 700.12, Senior Ophthalmology Clinic, 2 TEAM LEADER	35-45	60-75%	Team taught
P	SU 2001-2012	VM 700.12, Senior Ophthalmology Clinic, 2 TEAM LEADER	35-45	70-90%	Team taught
P	SP 2001-2012	VM 700.12, Senior Ophthalmology Clinic, 2 TEAM LEADER	35-45	60-70%	Team taught
P	2011-present	VM700.12/VM7700.17, Senior Ophthalmology Elective, 2 TEAM LEADER	1-2	40-50%	Team taught

STUDENT EVALUATION OF TEACHING

Student Evaluation of Teaching (SEI): Teaching was evaluated annually by first, second, third and fourth-year veterinary students, which comprise the student body in contact with the candidate. The evaluations were administered by the office of Educational Resources and the responses received to date are summarized elsewhere and are available upon request.

- **SEIs for Core Teaching over the last 5 years have ranged from 4.6-5.0.**
- **SEIs for Elective Teaching over the last 5 years have ranged from 4.5-5.0.**
- **SEIs for Clinical Teaching over the last 5 years have ranged from 4.7-5.0.**

PEER EVALUATION OF TEACHING

Peer evaluation of my didactic teaching in the professional curriculum was also performed every 1-2 years.

GRADUATE STUDENT TRAINING

- i) Doctoral Students (dissertation advisor): None
- ii) Doctoral Students (dissertation committee member): None
- iii) Doctoral Students (candidacy examination committee chair): None
- iv) Doctoral Students (candidacy examination committee member): None

v) **Masters Students Plan A (thesis advisor): 0 current*, 5 graduated**

*Veterinary Clinical Sciences Combined Residency/Graduate Program was discontinued in 2021.

a) **Current:**
None.

b) **Graduated:**

1. Ashley Bendlin, DVM, July 2018-July 2021

Thesis title: *Diagnosis of Infectious Ulcerative Keratitis: The Use of Next-Generation Sequencing in Veterinary Ophthalmology Patients*

2. Kristen Gervais, DVM, July 2014-July 2017.

Thesis title: *Evaluation of a biodegradable thermogel polymer for sustained intraocular delivery of cyclosporine A to prevent posterior capsule opacification in a rabbit model.* (Co-Advisor with Heather Chandler, PhD, Associate Professor, OSU College of Optometry)

3. Eric Miller, DVM, July 2011 – July 2014.

Thesis title: *Effects of three common antioxidants on posterior capsule opacification in vitro.* (Co-Advisor with Heather Chandler, PhD, Associate Professor, OSU College of Optometry)

4. David J Haeussler, DVM, MS July 2008 – June 2011

Thesis title: *The effects of hyaluronic acid on lens epithelial cell migration in-vitro.* (Co-Advisor with Heather Chandler, PhD, Assistant Professor, OSU College of Optometry)

5. Vanessa Kuonen, DVM, MS July 2003-June 2006

Thesis title: *Long-term histopathologic effects of transscleral cyclophotocoagulation on the normal equine eye and histopathologic effects of transscleral cyclophotocoagulation on the glaucomatous equine eye.*

vi) **Masters Students (thesis committee member): 1 current, 15 graduated**

a) **Current:**

1. Nathaniel Violette, DVM, July 2019-present

Project title: *Effects of trazodone and gabapentin on electroretinograms recorded in normal dogs*

b) **Graduated:**

1. Raymond J. Morreale, DVM, MS, DACVO July 1999-June 2002

Thesis title: *Histological Effect of Semiconductor Diode Laser Transscleral Cyclophotocoagulation on the Normal Equine Eye.*

2. I. Dineli Bras, DVM, MS July 2001-June 2004

Thesis title: *Evaluation of Advanced Glycation End-Products in diabetic and inherited canine cataracts.*

3. Vanessa Kuonen, DVM, MS July 2003-June 2006

Thesis title: *Long-term histopathologic effects of transscleral cyclophotocoagulation on the normal equine eye and histopathologic effects of transscleral cyclophotocoagulation on the glaucomatous equine eye.*

4. Michelle Rose, DVM, MS July 2003-June 2006.

Thesis title: *Ultrasound biomicroscopy of the anterior segment after phacoemulsification and intraocular lens implantation.*

5. Curtis Barden, MS April 2006-October 2006.

Thesis title: *The effects of grape polyphenols on canine lens epithelial cells.*

6. Sarah Stone, DVM, MS July 2005-July 2008.

Thesis title: *Capsular tension ring effect on canine lens epithelial migration and post-operative lens capsule opacification.*

7. Christa Robinson, DVM, MS July 2007-July 2010.

Thesis title: *Efficacy and biocompatibility of indirect intraocular pressure monitoring using a telemetric scleral sensor.*

8. David J Haeussler, DVM, MS July 2008-July 2011.

Thesis title: *The effects of hyaluronic acid on lens epithelial cell migration in vitro.*

9. Ronald Spatola, DVM, MS July 2010-July 2011.

Thesis title: *The effects of topical nalbuphine on canine corneal fibroblasts in vitro.*

10. Elizabeth Lutz, DVM, MS July 2010-July 2013.

Thesis title: *Impact of cyclosporine A on lens epithelial cell apoptosis and corneal endothelial cell viability.*

11. Eric Miller, DVM, MS July 2011 – July 2014.

Thesis title: *Effects of three common antioxidants on posterior capsule opacification in vitro.*

12. Breanna Brash, DVM, July 2013 – July 2016.

Thesis title: *The effect of trypan blue on posterior capsule opacification in an ex-vivo canine model.*

13. Kristen Gervais, DVM, July 2014-July 2017.

Thesis title: *Evaluation of a biodegradable thermogel polymer for sustained intraocular delivery of cyclosporine A to prevent posterior capsule opacification in a rabbit model.*

14. Margaret Jinks, DVM, MS. July 2017-July 2020.

Thesis title: *Bacterial keratitis and antimicrobial resistance in dogs and horses.*

15. Ashley Bendlin, DVM, July 2018-July 2021.

Thesis title: *Diagnosis of Infectious Ulcerative Keratitis: The Use of Next-Generation Sequencing in Veterinary Ophthalmology Patients*

vii) Masters Students (examination committee member): 1 current, 15 graduated

a) Current:

1. Nathaniel Violette, DVM, July 2019-present

Project title: *Effects of trazodone and gabapentin on electroretinograms recorded in normal dogs.*

b) Graduated:

- 1) Raymond J. Morreale, DVM, MS, June 2002
Histological Effect of Semiconductor Diode Laser Transscleral Cyclophotocoagulation on the Normal Equine Eye
- 2) I. Dineli Bras, DVM, MS, June 2004
Evaluation of Advanced Glycation End-Products in diabetic and inherited canine cataracts.
- 3) Vanessa J. Kuonen, DVM, MS, June 2006
Long-term histopathologic effects of transscleral cyclophotocoagulation on the normal equine eye and histopathologic effects of transscleral cyclophotocoagulation on the glaucomatous equine eye.
- 4) Michelle Rose, DVM, MS, June 2006. *Ultrasound biomicroscopy of the anterior segment after phacoemulsification and intraocular lens implantation.*
- 5) Curtis Barden, MS, October 2006. *The effects of grape polyphenols on canine lens epithelial cells.*
- 6) Sarah Stone, DVM, MS, July 2008. *Capsular tension ring effect on canine lens epithelial migration and post-operative lens capsule opacification.*
- 7) Christa Robinson, DVM, MS July 2007-July 2010. *Efficacy and biocompatibility of indirect intraocular pressure monitoring using a telemetric scleral sensor.*
- 8) David J Haeussler, DVM, MS July 2008-July 2011. *The effects of hyaluronic acid on lens epithelial cell migration in vitro.*
- 9) Ronald Spatola, DVM, MS July 2010-July 2011. *The effects of topical nalbuphine on canine corneal fibroblasts in vitro.*
- 10) Elizabeth Lutz, DVM, MS July 2010-July 2013. *Impact of cyclosporine A on lens epithelial cell apoptosis and corneal endothelial cell viability.*
- 11) Eric Miller, DVM, MS July 2011 – July 2014. *Effects of three common antioxidants on posterior capsule opacification in vitro.*
- 12) Breanna Brash, DVM, MS July 2013 – July 2016. *The effect of trypan blue on posterior capsule opacification in an ex-vivo canine model.*

13) Kristen Gervais, DVM,MS July 2014-July 2017. *Evaluation of a biodegradable thermogel polymer for sustained intraocular delivery of cyclosporine A to prevent posterior capsule opacification in a rabbit model.*

14) Margaret Jinks, DVM, MS. July 2017-July 2020. *Bacterial keratitis and antimicrobial resistance in dogs and horses.*

15) Ashley Bendlin, DVM, MS. July 2018-July 2021. *Diagnosis of Infectious Ulcerative Keratitis: The Use of Next-Generation Sequencing in Veterinary Ophthalmology Patients*

CLINICAL RESIDENT TRAINING

1) Clinical mentoring:

- Daily instruction and assistance of the residents in examination, diagnostic and surgical techniques, and development of differential diagnoses and treatment plans.
- I provide after hours and weekend emergency back-up coverage to the residents approximately 15-30 weeks per year.
- Additional responsibilities include insuring that medical records and client and referring veterinarian communications are completed and appropriate; scheduling and conducting biannual resident evaluation sessions and written evaluations; and conducting monthly residents' progress meetings.
- Weekly participation/mentoring in journal club, histopathology, and slide identification rounds.
- Development of Powerpoint presentations for slide identification rounds

2) Academic advising:

- Requires regular communication with the residents to schedule their graduate course work and to maintain a schedule for completion of the Master's research project, submission of credentials/case reports and preparation for the ACVO Board Examination.
- Requires extensive amounts of time reviewing and editing thesis drafts and other manuscripts as well as Powerpoint presentations and posters for scientific meetings and thesis defense.

CLINICAL RESIDENTS WITHOUT A COMBINED MASTER'S DEGREE

a) Terah Robbin, DVM, DACVO - July 2003 – July 2006
Co-residency with MedVet of Columbus, OH

b) Ellen Belknap, DVM, DACVO - August 2004 – July 2005

Transferred to The Ohio State University College of Veterinary Medicine for completion of residency.

- c) Joyce Wang, DVM, MS - July 2015-July 2018
Project title: Retrospective analysis of infectious keratitis diagnosed after cataract surgery in diabetic and non-diabetic dogs: 107 cases (1998-2017)
- d) Courtenay Brines, DVM, MS – July 2016–July 2019
Project title: Retrospective evaluation of cataracts and long-term outcome following phacoemulsification in a population of American Cocker Spaniels: 186 cases.
- e) Parker Wilcox, DVM – July 2020-present
Project title: Duration of diamond burr debridement’s effect on healing outcomes of canine spontaneous chronic corneal epithelial defects.
- f) Tania Foster, DVM – July 2021-present
Project title: Effect of rhMG53 on canine endothelial cell survival under oxidative stress.
- g) Bianca Hartrum, DVM – July 2021-present
Project title: Ocular examination findings before and after total ear canal ablation and bulla osteotomy in cats and dogs.
- h) April Beatty – July 2022 – present
Project title: Assessment of ophthalmic diagnostic parameters, conjunctival flora and pharmacologic dilation of a large population of juvenile American alligators (*Alligator mississippiensis*).
- i) Christine Boles – July 2023 – present
Project title: A retrospective study comparing the efficacy rates of lowering IOP in canine chronic glaucoma patients with an intravitreal cidofovir injection using brand name cidofovir (Vistide) vs. generic cidofovir.

CLINICAL RESIDENT TRAINING COMBINED WITH MASTER’S DEGREE

1. Raymond J. Morreale, DVM, MS, DACVO - 1999-2002
2. I. Dineli Bras, DVM, MS, DACVO – 2001-2004

3. Vanessa J. Kuonen, DVM, MS, DACVO – 2003-2006
4. Sarah Stone, DVM, MS, DACVO – 2005-2008
5. Christa Robinson, DVM, MS, DACVO – 2007-2010
6. David J Haeussler, DVM, MS, DACVO – 2008-2011
7. Elizabeth Lutz, DVM, MS, DACVO – 2010-2013
8. Eric Miller, DVM, MS, DACVO – 2013-2014
9. Breanna Brash, DVM, MS, DACVO – 2013-2016
10. Kristen Gervais, DVM, MS – 2014-2017
11. Margaret Jinks, DVM, MS – 2017-2020
12. Ashley Bendlin, DVM, MS – 2018-2021
13. Nathaniel Violette, DVM, MS – 2019-2022

INTERN AND RESIDENT EDUCATION

- *July 2023-present - Dr. Samantha Dacanay-DeFebo, DVM – Ophthalmology Specialty intern –*
- *Spring 2001 – present – Ophthalmology Residents’ Rounds*
Annually create 2-6 new Powerpoint presentations for clinical training and board study reference
- *Autumn 2002 – 2011 - Internship Education Series*
Lecture on Extraocular Emergencies. 1.5 hours. Attendance: 6-8 interns

EXTENSION AND CONTINING EDUCATION

A) National/International Meetings

- *American Veterinary Medical Association 2019 Convention – Washington DC. Sunday August 4-Monday August 5, 2019. Invited speaker for the 5-day conference. Produced written notes and Powerpoint presentations for 3 hours of lecture on the subjects of*

Equine Infectious Corneal Disease, Equine Uveitis and Equine Glaucoma. Attendance: 50.

- *International Camelid Health Conference* – Corvallis, Oregon. March 1, 2019. Invited speaker for the 3-day conference. Produced written notes and Powerpoint presentations for 2 hours of lecture on the subjects of Ophthalmic Examination and Diagnosis and Treatment of Ophthalmic Disease in Camelids. Attendance: 35.
- *XVI Asociacion de Veterinarios Espanoles de Pequenos Animales - Congreso de Especialidades Veterinarias*, Bilbao, SPAIN. April 28-29, 2017. Invited speaker for 2-day conference. Produced written notes and Powerpoint presentations for 6 hours of lecture on the subject of Feline Ophthalmology. Attendance: 250.
- *University of Liverpool School of Veterinary Science Online Continuing Education Program*. Leahurst Campus, Chester High Road, Neston CH64 7TE , United Kingdom. September 21-27, 2015. Provided 5-6 hours Continuing Education for general practitioners that could be used towards achieving a Certificate in Advanced Veterinary Practice (an RCVS certificate qualification for practitioners). Produced and provided 2 hours narrated lectures and notes documents titled, “Ophthalmic Anatomy and Examination of Camelids” and “Camelid Ocular Diseases”; provided reading materials.
- *Guide Dog Users Inc. National Convention*. July 8, 2013. Columbus, OH. Invited speaker. Audience consisted of guide dog owners and other members and officers of GDUI. Ophthalmic Anatomy and Ocular Diseases of Guide Dogs. 1 hour. Attendance: 50.
- *The North American Veterinary Conference Post-Graduate Institute*. May 22-27, 2011. Orlando, FL. Invited speaker for the week-long Ophthalmology Intensive Course. Lecture: 8 hours. Neuro-ophthalmology/Blindness, Posterior Segment Diseases, Comparative Ophthalmology, Uveitis, Feline Ophthalmology, Interactive Case Series. Laboratory teaching: 9 hours. Also participated in group discussions during lectures by other speakers for an additional 16 hours. Attendance: 13.
- *The American College of Veterinary Ophthalmologists’ 4th Clinical Ophthalmology Course for General Practitioners*. November 7, 2009. Chicago, IL. Invited lecturer. Diagnosis and treatment of canine and feline ulcerative corneal diseases. 1.5 hours. Attendance: 80.
- *The Ohio State University College of Veterinary Medicine Office of Continuing Education Online Program*. October 13, 2009. Created a 1.25 hour Pod-cast lecture on Feline Ophthalmology. Wrote objectives and test questions. Lecture was released for use December 2009.

- *The 33rd Annual Royal Canin & OSU Symposium*. Feline Medicine. October 4, 2009. Feline Ophthalmology. Invited lecturer. 1 hour. Attendance: 250.
- *SAVMA Symposium*. March 27, 2009. The Ohio State University College of Veterinary Medicine. Invited lecturer. Advances in Equine Ophthalmology. 1 hour. Attendance: 15. Canine and Feline Ulcerative Corneal Disease. 1 hour. Attendance: 8.
- *The International Camelid Health Conference*. March 19, 2008. The Ohio State University College of Veterinary Medicine. Diagnosis and treatment of ocular diseases in camelids. Invited lecturer. 1.5 hours. Attendance: 93.
- *All American Quarter Horse Congress*. October 15, 2007. What's new in equine ophthalmology. 1.5 hour lecture + 30 minute question/answer session. Attendance: approximately 30 (laymen and veterinarians).
- *American College of Veterinary Ophthalmologists Veterinary Ophthalmic Technicians Society Annual Meeting*, Kona, HI, October 2007. Avian ophthalmology. 1 hour. Attendance: approximately 90.
- *The Macropod Information Exchange*. Dublin, OH. July 2002. Ocular Disease in Macropods. 1 hour. Attendance: approximately 80.
- *American College of Veterinary Ophthalmologists Veterinary Ophthalmic Technicians Society Annual Meeting*, Sarasota, FL, October 2001. Ophthalmic manifestations of systemic mycoses. 1 hour. Attendance: approximately 100.

B) Regional Meetings:

- *Midwest Veterinary Conference 2022* – Columbus, OH. February 19, 2022. Invited speaker to present 2 hours. Created and presented 2 hours of lectures: When to Worry: Complicated Canine Corneal Disease and The Eye is the Window: Ocular Manifestations of Systemic Disease. Attendance: 75.
- *The Ohio State University College of Veterinary Medicine 2022 5th Annual Equine and Farm Animal Continuing Education Conference*. Converted to virtual due to COVID-19. January 7, 2022. Topic: Camelid Ophthalmology. Invited lecturer. 45 min. Attendance: 42.
- *Midwest Veterinary VIRTUAL Conference 2021* – Columbus, OH. February 15-16, 2021. Invited speaker to present 6 hours. Due to COVID-19, conference was converted to virtual and all speaker's hours were reduced. Created and presented 3 hours of virtual lectures on Feline Ophthalmology and Neuro-ophthalmology and Localization of

Blindness. Participated in a 30-minute live virtual Q&A Session on the day of as-live presentation of recorded lectures. Attendance: 214.

- *The Ohio State University College of Veterinary Medicine 2018 Annual Equine and Farm Animal Continuing Education Conference.* January 5, 2018. Topic: What's New in Equine Ophthalmology. Invited lecturer. 45 min. Attendance: 55.
- *Indiana Veterinary Medical Association 131st Annual Meeting.* February 8, 2015. Indianapolis, IN. Evaluation and Treatment of Canine Corneal Disease, Evaluation and Treatment of Canine Cataracts and Lens Instability, Evaluation and Treatment of Canine Glaucoma, Feline Ophthalmology. Invited lecturer. 4 hours. Attendance: approximately 75.
- *Ohio Veterinary Medical Association Midwest Veterinary Conference.* February 23, 2014. Columbus, Ohio. The Ophthalmic Examination and Diagnostic Techniques, Evaluation of Cataracts, Management of Canine and Feline Corneal Disease. Invited lecturer. 3 hours. Attendance: approximately 80.
- *Ohio Veterinary Medical Association Midwest Veterinary Conference.* February 25, 2012. Columbus, Ohio. Diagnosis and management of equine corneal disease part 1 and part 2. What's new in equine ophthalmology? Invited lecturer. 3 hours. Attendance: approximately 65.
- *Dayton Area Society of Ophthalmology.* December 6, 2011. Dayton, OH. Comparative Ophthalmology. Invited lecturer to MD Ophthalmologists. 1.5 hours. Attendance: approximately 50.
- *The Ohio State University College of Veterinary Medicine Small Animal and Equine Continuing Education Series.* A two-day long meeting was planned for October 2010, one day small animal ophthalmology, one day equine ophthalmology. I was in charge of planning the content, speakers and supplies of the Equine Ophthalmology program. However, the programs were canceled 2 weeks prior to the event due to insufficient numbers of registrants.
- *The DC Academy of Veterinary Medicine.* Vienna, VA. June 4, 2009. Ophthalmic examination and diagnostic techniques, Canine corneal disease, Diagnosis and treatment of cataracts, Diagnosis and treatment of glaucoma, Diagnosis and treatment of canine uveitis, Feline ophthalmology. Invited lecturer. 6 hours. Attendance: 385.
- *The Ohio State University College of Veterinary Medicine Small Animal Continuing Education Series.* May 19, 2009. Diagnosis and treatment of canine and feline cataracts, Current Therapy for Canine Glaucoma. Invited lecturer. 2 hours. Attendance: 20.

- *The Ohio State University College of Veterinary Medicine Continuing Education Program.* The Equine Head. February 6-8, 2009. Tips on Equine Ophthalmic Examination Wet Lab. 2 hours - provided three 40-minute sessions. Attendance: 31.
- *West Virginia Veterinary Medical Association.* Snowshoe, WV. January 26-27, 2008. Ophthalmic examination; Diagnosis and Treatment of Canine Corneal Disease; Diagnosis and Treatment of Canine Uveitis, Diagnosis and Treatment of Canine Glaucoma, Diagnosis and Treatment of Canine Cataracts and Lens Luxation; Feline Ophthalmology, Ocular Manifestations of Systemic Disease, What's New in Equine Ophthalmology. Invited lecturer. 9 hours. Attendance: 35.
- *The Ohio State University College of Veterinary Medicine Continuing Education Program – Alumni Reunion Continuing Education Conference.* September 6, 2007. What's New in Equine Ophthalmology. Invited lecturer. 1 hour. Attendance: 10.
- *The Ohio State University College of Veterinary Medicine Small Animal Continuing Education Series.* May 15, 2007. Management of Canine and Feline Ulcerative Corneal Disease. Invited lecturer. 2 hours. Attendance: 7.
- *Midwest Veterinary Ophthalmology Society Annual Meeting,* Columbus, Ohio, February 2007. Equine nasolacrimal anomalies. Presentor. 15 minutes. Attendance: approximately 75.
- *West Virginia Veterinary Medical Association.* Walkersville, WV. October 9-10, 2004. Ophthalmic examination; Treatment of Canine and Feline Corneal Disease; Adnexal Surgery; Corneal Surgery; Proptosis, Enucleation and Intrascleral Prosthesis; Neuro-ophthalmology; Cataracts, Lens-induced Uveitis and Lens Luxation; Treatment of Glaucoma. Invited lecturer. 8 hours. Attendance: 45.
- *Camelid Medicine, Surgery, Reproduction and Nutrition Conference.* The Ohio State University College of Veterinary Medicine. March 25, 2004. Examination and treatment of the camelid eye. Invited lecturer. 45 minutes. Attendance: 120.
- *Ohio Ophthalmological Society, Technician Clinical Program.* Columbus, OH. March 20, 2004. Comparative Veterinary Ophthalmology. Invited lecturer. 1 hour. Attendance: 297.
- *Midwest Veterinary Ophthalmology Society Annual Meeting,* Niagara Falls, Ontario, Canada, Feb 2004. Frustrating felines and sickly schnauzers. Presentor. 20 minutes. Attendance: approximately 40.

- *The Ohio State University Camelid Medicine, Surgery and Reproduction for Veterinarian's Conference 2002*. Treatment of Ocular Disease in Camelids (Ulcers and Cataracts). March 2002. Invited lecturer. 1 hour. Attendance: approximately 50
- *Midwest Veterinary Ophthalmology Society Annual Meeting*, Washington, DC, February 2002. Lateral canthus reconstruction in a cat. Presentor. 15 minutes. Attendance: 40.
- *Midwest Veterinary Ophthalmology Society Annual Meeting*, Columbus, Ohio, February 2001. Cicatricial entropion in a puppy. Presentor. 15 minutes. Attendance: 40.
- *Midwest Veterinary Ophthalmology Society Annual Meeting*, Lansing, MI, February, 2000. Two "dacryops" that weren't. Presentor. 15 minutes. Attendance: 35.
- *Ohio Veterinary Medical Association Annual Meeting*, Columbus, OH, Columbus, OH, February, 1999. Ocular trauma—orbit and adnexa. Invited lecturer. 1 hour. Attendance: approximately 50.

C) Local Meetings:

- Equine Research Group, The Ohio State University, May 3, 2013. The effect of semiconductor diode laser on the buphthalmic equine globe. Presentor. 1 hour. Attendance: 10-15.
- The Ohio State University Science Café. June 16, 2010. Lecture presentation to members of the OSU campus-wide community: "Comparative Veterinary Ophthalmology". Presentor. 1 hour. Attendance: 10.
- Advances in Veterinary Medicine, The Ohio State University, April, 2004. Poster presentation: Electroretinographic and demographic findings in dogs presented for cataract surgery (1998-2003). **A.J. Gemensky Metzler**, CMH Colitz, DA Wilkie, ID Bras, KA Norris, R Elliott. Presentor. 1 hour. Attendance: approximately 200.
- Equine Research Group, The Ohio State University, September, 2000. Effects of long-term application of antibiotic and antibiotic-corticosteroid preparations on equine ocular flora. Presentor. 1 hour. Attendance: 10-15.
- Advances in Veterinary Medicine, The Ohio State University, April, 2000. Poster presentation: Effects of long-term antibiotic and antibiotic-corticosteroid preparations on equine ocular flora. Presentor. 1 hour. Attendance: approximately 150.

D) Extension/Outreach

- June 2017 – Interviewed by Denise Blough, Special Sections Writer for *The Columbus Dispatch* and edited an article highlighting the diseases treated and surgeries performed by the Ophthalmology Service: “Through the eyes of your pet: Ocular conditions in dogs and cats. What’s wrong with your pet’s eyes?”
- 2009-present – Annually in March-May organized and participated in the ACVO Service Dog Eye Examination Clinic at the OSU Veterinary Medical Center.
 - Canceled in 2020 and 2021 due to COVID-19 pandemic.
 - Ophthalmic examinations were performed, at no charge, on for guide dogs and other types of service dogs.
 - I performed exams each year on multiple days in the month of May
 - I worked with the service technicians, hospital director, medical records, the client services team and the marketing and communications team to organize and publicize the event. The event has been highlighted on various local news stations and in the Columbus Dispatch and has been featured on The Ohio State University Medical Center website.
- January 29, 2016 – St. Brigid of Kildare 5th Grade Science Classes. Gave a 45-minute interactive presentation to each of two 5th grade science classes on what a veterinary ophthalmologist does, how ophthalmologists use lenses to examine the eye, how the lens of the eye works to focus vision, and how vision is lost through cataract formation and regained through cataract surgery. The purposes of this presentation were to introduce the students to the career of veterinary medicine and the ophthalmology specialty as well as to supplement classroom learning about convex and concave lenses.
- June 2, 2015 – Assisted with Girl Scout outing to The Ohio Wildlife Center. Discussed ophthalmic injuries in birds of prey. 1.5 hours.
- Sept 2014 – The OSU VMC Groundbreaking Event. Arranged for an alumnus and dog trainer for Canine Companions for Independence to attend the ceremony to mingle with guests and highlight The OSU VMC’s support of the ACVO Service Dog Eye Examination program.
- February-March 2014 – Organized an “animal” theme for a 3rd grade Girl Scout Brownies Meeting (3/20/14)
 - Contacted Canine Companions for Independence (CCI) to organize a speaker and a demonstration with a Service Dog in training.
 - Organized a collection of donations from the members’ families to the CCI organization.
 - Took a donation of dog biscuit “goody bags” to the Capital Animal Human Society and wrote an accompanying letter from the Brownie Troop.

- Electronically distributed a Thank You Card from the CCI organization to all Brownie families.
- March 20, 2012 – Interviewed by Channel 10 news about a therapy pony named Buggy who was receiving treatment at the OSU VMC and participating in my clinical trial investigating effects of laser surgery in horses with glaucoma.
- November 19, 2009 – Prepared and gave a 1-hour lecture to the Golden Retriever Club of Columbus on Ocular Anatomy, Ophthalmic Examination and Ocular Disorders in Golden Retrievers. Attendees included veterinarians, breeders, trainers and dog owners. Attendance: 40 humans, 10 dogs.
- 2008 – present - Hosted multiple high school students interested in becoming a veterinarian to observe ophthalmology clinics for a day.

FACULTY PROFESSIONAL DEVELOPMENT AND TEACHING SEMINARS ATTENDED

- Spring-Summer 2020 – **iTeachCVM Online 2.0 Canvas Course**
 - Completed training modules for curriculum revision and conversion to online course delivery.
- Spring-Summer 2020 – **University Office of Teaching and Learning and Office of Distance Education and E-Learning**
 - Reviewed online materials for conversion to online course delivery to meet quality assurance standards.
- Spring-Summer 2020 – **Tech Tips from the Office of Teaching and Learning and Professional Programs Power 5**
 - Reviewed weekly informational and instructional emails regarding curricular revision and conversion to online course delivery.
- May 22, 2020 – Participated in a 4-hour virtual Faculty Retreat on Curriculum Revision Planning with organized break-out sessions.
- April 8, 2020 - Attended 1-hour virtual seminar: Evidence-Based Approaches to Determining Curricular Effectiveness. Dr. Jenn Gonya.
- December 6, 2019 – Attended the **Health Athlete Workshop**
- November 13, 2019 - Attended 1-hour seminar: How Humans Really Learn – Debunking Myths about Lecturing, Student Stress and the YouTube Effect. Dr. Jenn Gonya, CVM Director of Teaching & Learning

- November 2018 – April 2019 – attended monthly **Faculty Leadership Book Club** meetings to discuss “Leadership and Self-Deception: Getting Out of the Box” by the Arbinger Institute.
- March 13, 2019 - Attended 1-hour seminar: Double Blind Peer Review – Better Than Single Blind Review? Dr. Steve DiBartola, Professor Emeritus, The Ohio State University College of Veterinary Medicine.
- November – December 2018 – Completed the **University Institute for Teaching and Learning (UITL) Teaching Support Program** including the following: 1) Teaching Practices Inventory, 2) Teaching@OhioState learning modules, 3) completion of the supplemental reading list and Reading Reflection Form.
- November 14, 2018 - Attended 1-hour seminar: Clinical and Professional Skills Lab - Education and Assessment Update. Dr. Tatiana Motta & Carol Hasbrouck. The Ohio State University College of Veterinary Medicine.
- September 12, 2018 - Attended 1-hour seminar: Competency Based Veterinary Education and Assessment Update. Dr. Emma Read. The Ohio State University College of Veterinary Medicine.
- July 6, 2018 – Completed online **CITI Biomedical Responsible Conduct of Research Training**.
- February 14, 2018 - Attended 1-hour seminar: Clinical Scientists – Leveraging the Veterinary Health System to Advance Basic, Clinical and Translational Research. Dr. Lauren Trepanier, Director, Clinician Scientist Training Programs, School of Veterinary Medicine, University of Wisconsin - Madison
- May 10, 2017 – Represented senior faculty at a 2-hour Speed Networking event geared at fostering connections between junior and senior faculty across the CVM.
- March 8, 2017 - Attended 1-hour seminar: The Curriculum Map: Charting the Future. Dr. Tod Drost, Chair, Council for Professional Education. The Ohio State University College of Veterinary Medicine.
- March 1, 2017 – Member representing Veterinary Clinical Sciences of a 3-person Faculty Panel to facilitate discussion with junior/probationary faculty: Using Mentors and My Mentorship Committee. New Faculty Series. The Ohio State University College of Veterinary Medicine.
- February 8, 2017 – Member representing Veterinary Clinical Sciences of a 4-person Faculty Panel to facilitate discussion: Balancing and Prioritizing in the Midst of the Chaos of Work and Life; Faculty Perspectives.

- January 11, 2017 - Attended 1-hour seminar: Burnout in Veterinary Medicine: Detection, Prevention & Treatment. Dr. Steve Gabbe, Emeritus CEO, Wexner Medical Center, The Ohio State University College of Medicine.
- December 14, 2016 - Attended 1-hour seminar: Giving My Story Legs – How to Make My Story Move Beyond My Desk/Lab/Classroom/Clinical Space. Shantay Piazza, Director of Communications and Marketing. The Ohio State University College of Veterinary Medicine.
- November 9, 2016 – Attended 1-hour seminar: Leveraging Carmen-Canvas: From Multimedia on the Fly to Interactive Learning in the Classroom. Dr. Melinda Rhodes-DiSalvo, Director, Office of Teaching and Learning. The Ohio State University College of Veterinary Medicine.
- September 14, 2016 – Attended 1-hour seminar: Understanding Why Students Cheat – What We Know and What We Can Do to Address the Culture. Dr. Linda Lord. Associate Dean for Professional Programs, The Ohio State University College of Veterinary Medicine.
- June 8, 2016 – Co-organized 1-hour seminar: Promotion of Self-Directed Learning. Stephanie Rohdieck, Associate Director, University Center for Advancement of Teaching (UCAT), The Ohio State University.
- May 11, 2016 – Co-organized and attended 1-hour seminar: Ohio Ethics Law Workshop. Jan Neiger, Assistant Vice Provost, OAA and Chris Hanson, Assistant Compliance Director, Office of Legal Affairs, The Ohio State University.
- March 9, 2016 – Organized and attended 1-hour seminar: “I don’t understand my co-workers! How to work with different generations.” Ann Metzler, Training Manager for Advancement and Josh Harraman, Senior Director of Alumni and Constituent Engagement, The Ohio State University.
- February 10, 2016 - Attended 1-hour seminar: Interprofessional Collaboration: What Pharmacists Bring to Veterinary Medicine. Gigi Davidson, BSPH, DICVP.
- January 13, 2016 – Attended 1.5-hour seminar: Outsmarting Our Brains: Uncovering Implicit Biases to Harness Diversity’s True Potential. Cheryl Staats, MA and Robin Wright, MPA, Kirwan Institute. Took 2 IAT assessments online.
- December 9, 2015 – Attended 1-hour seminar: Teaching Panel and Discussion. Panelists: Drs. Julie Byron, Meghan Herron, Tatiana Motta and Li Wu.

- September 9, 2015 – Attended 1-hour seminar: Introduction to the Scholarship of Teaching & Learning, Part 1. Melinda Rhodes-DiSalvo, PhD and Teresa Johnson, PhD.
- June 10, 2015 – Coordinated 1-hour seminar: Tools of the Trade: Navigating the GSO, HR-SBS, VCS FO and Other Useful Acronyms. Kate Hayes-Ozello, PhD, CRA.
- May 13, 2015 – Coordinated 1-hour seminar: “Citation Management Tips for Faculty: EndNote and Zotero. Jessica Page, MS, Head of the VMC Library.
- April 8, 2015 – Coordinated 1-hour seminar: Using Clickers and/or Mobile Devices for Assessment & Engagement. Paul King, Higher Education Account Executive. Turning Technologies.
- March 11, 2015 – Coordinated, facilitated and attended 1-hour panel discussion: Fostering Partnerships with Referring Veterinarians. Panelists: Drs. Teresa Burns, Sandra Diaz, Robert Knapp, Andy Niehaus and Referrals Coordinator Stephanie Yochem.
- February 11, 2015 – Arranged and attended 1-hour seminar: Advancement on the use of low-fidelity surgical simulators to teach surgery: knowledge retention, surgical skills and stress. Tatiana Motta, DVM, MS. Novel approaches to teaching. Marco DaSilva, DVM
- January 14, 2015 – Coordinated and attended 1-hour seminar: Increasing Intern and Resident Resiliency. Jennifer Brandt, PhD, LISW-S
- November 12, 2014 – Arranged and attended 1-hour seminar: How to address Academic Misconduct. Lindsay Bernhagen, PhD.
- May 14, 2014 – Arranged and attended 1-hour seminar: iPads in the Classroom: Flipping via iTunes U. Nicole Kraft and Cory Tressler.
- March 12, 2014 - Arranged and attended 1-hour seminar: Teaching with PowerPoint (and Articulate!). Eric Fox, PhD.
- November 13, 2013 – Arranged and attended 1-hour seminar: Case Manager: An Educational Tool for Complex Problems. Julie Byron, DVM, DACVIM.
- August 14, 2013 - Attended 1-hour seminar: iTunes U and iBooks: What is OSU doing with mobile learning? Cory Tressler.
- April 10, 2013 - Attended 1-hour seminar: Online Tools for Teaching and File Storage. Julie Byron, John Bonagura, Rory Gados and Sravani Paladugu.

- March 13, 2013 - Attended 1-hour seminar: Simulation in Health Sciences Curriculum: The Basic, the Bold and the Creative. Pamela Boyers, PhD and Carol Hasbrouk, MA.
- October 10, 2012 – Attended 1-hour seminar: Clinical Grading Rubrics. Panel discussion.
- September 12, 2012 – Attended 1-hour seminar: How to write effective examination questions. Dr. Bonnie Rush.
- August 8, 2012 – Attended 1-hour seminar: How to recognize animal cruelty.
- May 9, 2012 – Attended 1-hour seminar: Clinical teaching in small groups and one-on-one. Panel discussion.
- February 8, 2012 – Attended 1-hour seminar: Promoting Professionalism Through Understanding Lapses. Drs. Robert Bornstein, Cynthia Ledford, Edward Levine and John Mahan.
- January 11, 2012 – Attended 1-hour seminar: Unprofessional or Disruptive Behavior: Impact on Patient Care, Medical Errors, and Working and Learning Environments: Part 1. Drs. Robert Bornstein, Cynthia Ledford and Edward Levine.
- November 9, 2011 – Attended 1-hour seminar: “Not Yet Competent” to “Exemplary”: Assessment of Clinical Competence. Dr. Lizette Hardie.
- October 12, 2011 – Attended 1-hour seminar: Academic Freedom and Responsibility – A Panel Discussion. Drs. Blackwell, Horn, McDaniel and Rall.
- September 14, 2011 – Attended 1-hour seminar: What is Important to Know About Copyright? Tony von Sadovszky and Mike Steffensmeier.
- July 13, 2011 – Attended 1-hour seminar: Perceptions of Recent Veterinary Graduates and Teaching Team Preparation for Semester Conversion. Dr. Stephen DiBartola.
- June 8, 2011 – Attended 1-hour seminar: FERPA-Protecting You and Your Students. Michael Layish.
- April 13, 2011 – Attended 1-hour seminar: Teaching Clinical Reasoning. Dr. Susan Johnson.

- March 9, 2011 – Attended 1-hour seminar: Best Practices to Maximize Mentor Interactions and Outcomes. Michael D. Lairmore, PhD. Associate Dean, Research & Graduate Studies.
- August 11, 2010 – Attended 1-hour seminar: The Missing Link – Writing Course-Level Learning Objectives. Theresa A. Johnson, PhD, Instructional Consultant, University Center for the Advancement of Teaching.
- **June 28-July 2, 2010 – Bayer Animal Health Communications Project.** New Haven, CT. This week-long course provided intensive training to not only develop my own communication skills but also provided background and materials for me to teach communication skills to students, interns, residents and potentially staff and colleagues. Attendance of this course promoted my abilities as an educator, a mentor and an administrator.
- May 12, 2010 – Attended 1-hour seminar: Mentoring Residents as Educators – A Facilitated Discussion (Drs. Clare Allen, Maxey Wellman & Andrew Hillier, OSU CVM).
- March 10, 2010 – Attended 1-hour seminar: Writing Course-Level Learning Outcomes (Katherine A. Kelley, PhD, Asst. Dean for Assessment and Accreditation, OSU College of Pharmacy).
- February 10, 2010 – Attended 1-hour seminar: Achieving Excellence through Deliberate Practice, Coaching and Feedback in the Clinical Setting (Cynthia Ledford, MD, Associate Professor-Clinical).
- November 24, 2009 – Met with Jen Simmons for Clicker Training review prior to my first lecture utilizing Turning Point software and Clickers.
- March 12, 2009 – Attended 1-hour seminar: Clinical Teaching in Small Increments of Time (Cynthia Kreger, MD).
- February 11, 2009 – Attended 1-hour seminar: Developing a Teaching Portfolio (Stephanie Rohdieck-FTAD).
- May 7, 2008 – Attended 3-hour Faculty Development Series on Teaching.
 - Topics included a presentation on Effective Lecturing & Presentations (A. Kalish & T. Johnson), Carmen Basics (K. Matthias and J. Bonagura) and Teaching Do's and Don'ts (panel of senior faculty).
- December 18, 2008 – Attended 2-hour mini-course on Carmen - Creating Quizzes & Surveys (K. Matthias)

- December 16, 2008 – Attended 1-hour Clicker Training Session (J. Simmons)
- Fall 2007 – Attended 2-hour Carmen Basic Training Course (*K. Matthias*)

RESEARCH & PUBLICATIONS

A. Books and Monographs: None

B. Edited Books:

- 1) **Consulting Co-Editor** (Co-Editor, Dr. Caroline Betbeze) – **Diseases of the Eye. *Smith's Large Animal Internal Medicine, 6th Edition*. Smith BP, Ed. St. Louis: Elsevier Publishing; 2020. Published June 27, 2019.**
 - a. December 2016 – Reviewed chapter in previous edition and invited authors to edit their portions of the chapter.
 - b. January – March 2017 – Communicated with Co-Editor and book editors about confirmed authors and planned timeline and division of labor.
 - c. October 2017-March 2018 - Communicated by phone and email with Co-Editor and emailed authors with reminders of processes and deadlines.
 - d. March 2018 – updated and submitted my chapter on Ocular Parasites**
 - e. March-June 2018 – Edited all submitted chapters. Updated figures and color plates and legends.
 - f. February 2019 – Reviewed and addressed all author queries in galley proofs.
 - g. June 2019 – Book released in print**

- 1) **Consulting Co-Editor** (Co-Editor, Dr. Eric Miller) – **Ophthalmic Diseases. *Kirk's Current Veterinary Therapy XVI, Scansen B and Bonagura JD, Eds. Elsevier Publishing. Expected publication date was early 2020 but galley proofs have not yet been received and book has not been released.***
 - July 2017-October 2017 – Reviewed prior edition of CVT to revise the section's table of contents, compiled author contact information, invited authors to write chapters and provided guidelines for desired chapter content and space limitations, communicated with book editors, sent reminders to authors.
 - November 2017-December 2017 – Corresponded with authors by email to answer questions, address website issues and remind of deadlines and instructions.
 - January-March 2018 - Corresponded with authors by email to answer questions, address website issues and remind of deadlines and instructions.
 - April-September 2018 – Reviewed and edited all submitted chapters, figures and legends.

- September 2018 – Revised and submitted my updated chapter on Evaluation of Blindness.

2) Consulting Co-Editor (Co-Editor, Dr. Ellen Belknap) – Diseases of the Eye. *Smith's Large Animal Internal Medicine, 5th Edition*. Smith BP, Ed. Elsevier Publishing: St. Louis, 2015.

- May 2012-February 2013 - Reviewed prior editions of CVT to evaluate content, communicated with book editors, invited, confirmed and sent reminders to authors.
- Wrote one chapter for the section in January-February 2013.
- March 2013-May 2013 – Sent authors reminders, edited several of the eight submitted chapters.
- November 2013 – Performed final review and minor editing of chapter text and figures.
- January-February 2014 – Reviewed galley proofs and drug dosages within the section.
- Fall 2014 – Book released in print.

3) Consulting Co-Editor (Co-Editor, Dr. Amber Labelle) – Ophthalmic Diseases. *Kirk's Current Veterinary Therapy XV*, Bonagura JD and Twedt D, Eds. Elsevier Publishing, 2014.

- Feb. 2011-Feb. 2012 – Reviewed two prior editions of CVT to develop the section's table of contents, compiled author contact information, invited authors to write chapters and provided guidelines for desired chapter content and space limitations, communicated with book editors, sent reminders to authors. Edited 11 of the 23 submitted chapters.
- January 2012 - Wrote one chapter for the section, "Evaluation of Blindness."
- January 2013 – reviewed and updated the chapter that I wrote for the section.
- July 2013 – reviewed the page proofs of the chapter I wrote for the section.
- January 2014 – Book released in print.

C. Chapters in Edited Books:

- 1) **Gemensky-Metzler AJ.** Ophthalmology. In: Niehaus A, ed. *Fowler's Medicine and Surgery of Camelids*. Hoboken: John Wiley & Sons, Inc., 2022. Researched, rewrote and expanded previous section into a full chapter and submitted new images, figure legends and references. Submitted manuscript June 2020. Reviewed galley proofs December 2021. *Contribution: 90%*.
- 2) **Gemensky-Metzler AJ.** Eosinophilic Keratitis-Cats. In: Tilley L and Smith F, ed. *Blackwell's Five-Minute Veterinary Consult: Canine and Feline, Seventh Edition*. Oxford: Wiley Blackwell, expected publication in 2021. Manuscript revised and submitted July 2020. *Contribution: 100%*.

- 3) **Gemensky-Metzler AJ.** Corneal Sequestrum-Cats. In: Tilley L and Smith F, ed. Blackwell's Five-Minute Veterinary Consult: Canine and Feline, Seventh Edition. Oxford: Wiley Blackwell, expected publication in 2021. Manuscript revised and submitted July 2020. *Contribution: 100%.*
- 4) **Gemensky-Metzler AJ.** Ocular Parasites. Diseases of the Eye. In: Smith BP, ed. Smith's Large Animal Internal Medicine, 6th ed. St. Louis: Elsevier; 2020. Publication date June 27, 2019. Researched and updated previous chapter. Submitted manuscript March 2018. *Contribution: 75%.*
- 5) **Gemensky-Metzler AJ.** Evaluation of blindness. In: Scansen B and Bonagura JD, eds. Kirk's Current Veterinary Therapy XVI. St. Louis: Elsevier Saunders. Expected publication date was early 2020 but galley proofs have not yet been received and book has not been released. Researched and updated previous chapter. Submitted manuscript September 2018. *Contribution: 100%.*
- 6) **Gemensky-Metzler AJ.** Blindness. In: Cote E., ed. Clinical Veterinary Advisor: Dogs and Cats, 4th Edition. St. Louis: Elsevier; 2020. Submitted updated chapter for new edition in April 2017. Reviewed galley proofs in August 2018. Book published May 2019. *Contribution: 100%.*
- 7) **Gemensky-Metzler AJ.** Corneal Ulceration. In: Cote E., ed. Clinical Veterinary Advisor: Dogs and Cats, 4th Edition. St. Louis: Elsevier; 2020. Submitted updated chapter for new edition in April 2017. Reviewed galley proofs in August 2018. Book published May 2019. *Contribution: 100%.*
- 8) **Gemensky-Metzler AJ.** Eosinophilic Keratitis-Cats. In: Tilley L and Smith F, ed. Blackwell's Five-Minute Veterinary Consult: Canine and Feline, Sixth Edition. Oxford: Wiley Blackwell, expected publication in early 2019. Manuscript revised and submitted December 2018. *Contribution: 100%.*
- 9) **Gemensky-Metzler AJ.** Corneal Sequestrum-Cats. In: Tilley L and Smith F, ed. Blackwell's Five-Minute Veterinary Consult: Canine and Feline, Sixth Edition. Oxford: Wiley Blackwell, expected publication in early 2019. Manuscript revised and submitted December 2018. *Contribution: 100%.*
- 10) Wilkie DA, **Gemensky-Metzler AJ**, Lasseline M and Brooks DE. Glaucoma. In: Gilger BC, ed. Equine Ophthalmology, 3rd ed. Ames: John Wiley & Sons, Inc.; 2017: 453-468. In late 2014-2015, reviewed chapter text and images and wrote outline of suggested edits and additions; wrote new material about cyclophotocoagulation and worked with Dr. Wilkie to review, edit and update chapter text and images from previous edition. Worked with a biomedical illustrator to create new diagram. In August 2016, edited page proofs. *Contribution: 25%.*

- 11) **Gemensky-Metzler AJ.** Blindness. In: Cote E., ed. *Clinical Veterinary Advisor: Dogs and Cats, 4th Edition*. St. Louis: Elsevier; 2017. Submitted updated chapter for new edition in April 2017. Reviewed galley proofs. Publication date expected 2018. Contribution: 100%.
- 12) **Gemensky-Metzler AJ.** Corneal Ulceration. In: Cote E., ed. *Clinical Veterinary Advisor: Dogs and Cats, 4th Edition*. St. Louis: Elsevier; 2017. Submitted updated chapter for new edition in April 2017. Reviewed galley proofs. Publication date expected 2018. Contribution: 100%.
- 13) **Gemensky-Metzler AJ.** Ocular Parasites. Diseases of the Eye. In: Smith BP, ed. *Smith's Large Animal Internal Medicine, 5th ed.* St. Louis: Elsevier Mosby; 2015: 1182-1185. Extensively researched, updated and referenced old chapter. Submitted manuscript February 2013. Reviewed page proofs February 2014. Book released Fall 2014. Contribution: 75%.
- 14) **Gemensky-Metzler AJ.** Evaluation of blindness. In: Bonagura JD and Twedt D., eds. *Kirk's Current Veterinary Therapy XV*. St. Louis: Elsevier Saunders; 2014: 1134-1138. Contribution: 100%.
- 15) Cebra C and **Gemensky-Metzler A.** Disorders of the Neurologic System and Special Senses. In: Cebra C, Anderson DE, Tibary A, Van Suan RJ, and Johnson LW, eds. *Llama and Alpaca Care: Medicine, Surgery, Reproduction, Nutrition and Herd Health*. St. Louis: Elsevier; 2014: 437-463. Contribution: 95% of the "Diseases Primarily Affecting the Eyes" section and approximately 25% of the chapter.
- 16) **Gemensky-Metzler AJ.** Blindness. In: Cote E., ed. *Clinical Veterinary Advisor: Dogs and Cats, 3rd Edition*. St. Louis: Elsevier; 2015. Submitted updated chapter for new edition in August 2013. Reviewed galley proofs April 2014. Published October 2014. Contribution: 100%.
- 17) **Gemensky-Metzler AJ.** Corneal Ulceration. In: Cote E., ed. *Clinical Veterinary Advisor: Dogs and Cats, 3rd Edition*. St. Louis: Elsevier; 2015. Submitted updated chapter for new edition in August 2013. Reviewed galley proofs April 2014. Published October 2014. Contribution: 100%.
- 18) **Gemensky-Metzler AJ.** Blindness. In: Cote E., ed. *Clinical Veterinary Advisor: Dogs and Cats, 2nd Edition*. St. Louis: Elsevier; 2011:141-144. Contribution: 100%
- 19) **Gemensky-Metzler AJ.** Corneal Ulceration. In: Cote E., ed. *Clinical Veterinary Advisor: Dogs and Cats, 2nd Edition*. St. Louis: Elsevier; 2011:250-253. Contribution: 100%

- 20) **Gemensky-Metzler AJ.** Eosinophilic Keratitis-Cats. In: Tilley L and Smith F, ed. *Blackwell's Five Minute Veterinary Consult: Canine and Feline, Fifth Edition.* Oxford: Wiley Blackwell; 2011. *Contribution: 100%*
- 21) **Gemensky-Metzler AJ.** Corneal Sequestrum-Cats. In: Tilley L and Smith F, ed. *Blackwell's Five Minute Veterinary Consult: Canine and Feline, Fifth Edition.* Oxford: Wiley Blackwell; 2011. *Contribution: 100%*
- 22) **Gemensky-Metzler AJ.** Eosinophilic Keratitis-Cats. In: Smith F and Tilley L, ed. *Five Minute Veterinary Consult: Canine and Feline, Fourth Edition.* Oxford: Blackwell Publishing Ltd.; 2008: 782-783. *Contribution: 100%*
- 23) **Gemensky-Metzler AJ.** Corneal Sequestrum-Cats. In: Smith F and Tilley L, ed. *Five Minute Veterinary Consult: Canine and Feline, Fourth Edition.* Oxford: Blackwell Publishing Ltd.; 2008: 308-309. *Contribution: 100%*
- 24) **Gemensky-Metzler AJ.** Blindness. In: Cote E., ed. *Clinical Veterinary Advisor: Dogs and Cats.* Philadelphia: Elsevier Inc.; 2007: 136-138. *Contribution: 100%*
- 25) **Gemensky-Metzler AJ.** Corneal Ulceration. In: Cote E., ed. *Clinical Veterinary Advisor: Dogs and Cats.* Philadelphia: Elsevier Inc.; 2007: 246-249. *Contribution: 100%*
- 26) **Gemensky AJ, Beard W.** Ocular squamous cell carcinoma and sarcoid. In: Robinson KN, ed. *Current Therapy in Equine Medicine 5.* Philadelphia: Saunders, 2003: 480-485. Performed literature review, wrote the majority of the text and provided illustrations. *Contribution: 90%.*

D. Bulletins and Technical Reports:

- 1) **Gemensky-Metzler A.** Ocular problems in Border Terriers. For the Border Terrier Newsletter. June 2016.
- 2) **Gemensky-Metzler AJ.** Entropion Correction. Created an informational handout for referring veterinarians and students with diagrams and brief descriptions of the procedures. Created March 2016.
- 3) **Gemensky-Metzler, A.** Diamond Burr Debridement Information. Created an informational handout for referring veterinarians and students with links to websites with equipment and video of the procedure and provided references for the use of the technique in dogs and horses. Created November 2015.
- 4) **Gemensky-Metzler A.** Ocular problems in Cavalier King Charles Spaniels. Published in the OSU VTH Newsletter for owners and breeds of CKCS dogs. June 2009.
- 5) **Gemensky-Metzler A.** Results of ocular screening examinations in the Spinone Italiano. Published in the Spinone News, June 2006.

- 6) **Gemensky, AJ.** Hereditary Ocular Disease in Irish Wolfhounds. Published in the Irish Wolfhound Newsletter in 2003.
- 7) **Gemensky-Metzler, AJ.** Hereditary Ocular Disease in Irish Wolfhounds. Published in the Irish Wolfhound Newsletter in 2004.
- 8) **Gemensky-Metzler, AJ.** Ocular Abnormalities in the Borzoi. For the Borzoi Club of America Newsletter in 2004.

E. Peer Reviewed Journal Articles (Total: 43; First or senior author: 17):

- 1) Bendlin A, **Gemensky-Metzler AJ**, Diaz-Campos D, Newbold GM, Miller EJ, Chandler HL. Diagnosing infectious ulcerative keratitis: The use of Next-Generation Sequencing in veterinary ophthalmology patients. *Vet Ophthalmol* 2023;26(6):500-513. Epub March 21, 2023. <https://doi.org/10.1111/vop.13069>. Submitted 3/29/21. *Contribution: 20%.*
- 2) NP Violette, GM Newbold, **AJ Gemensky-Metzler**, EJ Miller. Effects of gabapentin and trazodone on electroretinograms recorded in normal dogs. *Am J Vet Res* 2022;83(8). Epub 6/13/22. <https://doi.org/10.2460/ajvr.22.03.0047>. *Contribution: 10%.*
- 3) Uhl L, Henriksen M, **Gemensky-Metzler AJ**, Sebbag L. Cataracts and phacoemulsification in the Siberian Husky: A retrospective and multicentric study (2008-2018). *Veterinary Ophthalmology* 2021; 24(3):252-264. Epub 3/17/21. <https://doi.org/10.1111/vop.12883>. Submitted 7/21/20. Accepted 2/28/21. Assisted in study design, contributed retrospective data from the largest number of cases, edited multiple versions of the manuscript and suggested additional aspects for case evaluation and discussion. *Contribution: 15%.*
- 4) Guresh AM, Horvath SJ, **Gemensky-Metzler A**, Miller E; Yildiz V, Myers JV, Newbold GM. The effect of central corneal thickness on intraocular pressure values using various tonometers in the dog. *Veterinary Ophthalmology* 2021;24(Suppl. 1):154-161. Epub 2/22/21. <https://doi.org/10.1111/vop.12873>. Submitted 5/20/20. Accepted 2/3/21. Edited manuscript prior to submission. *Contribution:10%.*
- 5) Jinks MR, Miller EJ, Diaz-Campos D, Mollenkopf DF, Newbold G, **Gemensky-Metzler A**, Chandler HL. Using minimum inhibitory concentration values of common topical antibiotics to investigate emerging antibiotic resistance: A retrospective study of 134 dogs and 20 horses with ulcerative keratitis. *Veterinary Ophthalmology* 2020; 23(5): 806-813. Submitted 5/3/20. Accepted 6/10/20. Epub: July 1, 2020.

PMID: 32608547. Assisted with study design, edited manuscript prior to submission. *Contribution: 10%.*

- 6) **Gemensky-Metzler AJ**. Diagnosis and treatment of common ophthalmic disorders in South American Camelids. *Livestock*, March/April 2020; 25(3): 1-8. <https://doi.org/10.12968/live.2020.25.3.156>. Submitted 12/4/19. Accepted 1/16/20. *Contribution: 100%.*
- 7) Harder OE, Emmer KM, Sparks AL, Miller E, **Gemensky-Metzler AJ**, Coble DJ, Niewiesk S, LaPerle KMD. Cause and treatment of exophthalmos in aged cotton rats (*Sigmodon hispidus*). *Comparative Medicine* 70(3): 291–299. PMID: [PMC7287388](https://pubmed.ncbi.nlm.nih.gov/32287388/). Reviewed medical histories, performed ophthalmic examinations on and took photographs of affected rats, edited draft of the manuscript. Submitted 11/5/19. Accepted 1/7/20. *Contribution: 10%.*
- 8) Gardner, AK, Santschi EM, Mudge MC, Belknap JK, **Metzler AG**. Intrasinus bolstering of traumatic maxillary sinus fractures using Foley catheter balloons in two foals. *Veterinary Surgery* 2020; 49(6):1255-1261. Epub: April 29, 2020. PMID: 32347989
Participated in management of one of the cases. Revised two drafts of the manuscript prior to original submission on 10/14/19 and two versions after review (submitted 12/31/19 and 2/7/20). Final revisions submitted 2/17/20. Accepted 3/25/20. *Contribution: 10%.*
- 9) Brash BM, **Gemensky-Metzler AJ**, Wilkie DA, Miller EJ, Chandler HL. Determination of trypan blue efficacy in the mitigation of ex vivo canine PCO formation. *Veterinary Ophthalmology* 2019;22:902-909. E-Pub April 3, 2019. Submitted January 15, 2019. Accepted March 16, 2019.
Participated in project organization; assisted in grant preparation, edited scientific abstracts and presentation, reviewed and edited manuscript for submission. *Contribution: 15%.*
- 10) Chandler HL, Tan T, Yang C, **Gemensky-Metzler AJ**, Wehrman R, Jiang Q, Peterson C, Wang Q, Kaili D, Adesanya TM, Zhu H and Ma J. MG53 promotes corneal wound healing and mitigates fibrotic remodeling. *Nature Communications Biology*. February 20, 2019;2:71. Submitted May 31, 2018. Accepted January 15, 2019. Conducted ophthalmic examinations and clinical scoring of ophthalmic lesions for the duration of two terminal studies, one mouse and one rat study. Took photographs at each examination to monitor the corneal wound healing response. Reviewed the grant proposal and reviewed and edited the manuscript. *Contribution: 10%.*

- 11) Wehrman RF, **Gemensky-Metzler AJ**, Zibura AE, Stull AB, Chandler HC. Objective evaluation of the systemic effects of topical application of 1% atropine sulfate ophthalmic solution in healthy horses. *J Am Vet Med Assoc* 2017; 251(11):1324-1330. *Contribution: 20%*. Citations: 1
- 12) Pierce K, Wilkie D, **Gemensky-Metzler A**, Curran P, Townsend W, Peterson-Jones S, Bartoe J. An association between systemic cyclosporine administration and development of acute bullous keratopathy in cats. *Veterinary Ophthalmology* 2016;19:77-85. Epub Feb 16, 2016. *Contribution: 10%*. Citations: 0
- 13) Chandler H, Gervais KJ, Lutz EA, Curto EM, Matusow RB, Wilkie DA, **Gemensky-Metzler AJ**. Cyclosporine prevents *ex vivo* PCO formation through induction of autophagy-mediated cell death. *Exp Eye Res* 2015;134:63-72. Epub March 31, 2015. Reviewed and edited grants, provided input on project design, edited manuscript. *Contribution: 10%*. Citations: 5
- 14) **Gemensky-Metzler AJ**, Sheahan JE, Rajala-Schultz P, Wilkie DA, Harrington J. Retrospective study of the prevalence of keratoconjunctivitis sicca (KCS) in diabetic and non-diabetic dogs after phacoemulsification. *Veterinary Ophthalmol* 2015;18(6):472-480. Epub Nov 27, 2014. VOP12238. *Contribution: 60%*. Citations: 2
- 15) Wilkie DA, Stone Hoy S, **Gemensky-Metzler AJ**, Colitz CM. Safety study of capsular tension ring use in canine phacoemulsification and IOL implantation. *Veterinary Ophthalmol* 2015;18(5):409-415. Epub Oct 17, 2014. VOP12232. *Contribution: 10%*. Citations: 1
- 16) **Gemensky-Metzler AJ**, Wilkie DA, Weisbrode SE, Kuhn SE. The location of sites and effect of semiconductor diode laser transscleral cyclophotocoagulation on the buphthalmic equine globe. *Veterinary Ophthalmol* 2014;17(Supp 1):107-116. Epub Apr 3, 2014. VOP 12168. *Contribution: 95%*. Citations: 4
- 17) Lasseline-Utter MA, **Gemensky-Metzler AJ**, Scherrer NM, Stoppini R, Latimer CA, MacLaren NE, Myrna KE. Corneal dystrophy in Friesian horses may represent a variant of pellucid marginal degeneration. *Vet Ophthalmol* 2014;17(Supp 1):186-194. Epub Mar 6, 2014. VOP 12152. *Contribution: 25%*. Citations: 3
- 18) Montgomery KW, Labelle AL, **Gemensky-Metzler AJ**. Trans-corneal reduction of anterior lens luxation in dogs with lens instability: a retrospective study of 19 dogs (2010-2013). *Vet Ophthalmol*

2014;17(4):275-279. Epub Jan 10, 2014. VOP12142. *Contribution: 15%*. Citations: 3

- 19) Lutz EA, **Gemensky-Metzler AJ**, Wilkie DA, Chandler HL. Effects of pulsed fluid lens capsule washing following phacoemulsification on lens epithelial cells and PCO formation *ex vivo*. *Vet Ophthalmol* 2014; Epub Jan 22, 2014. VOP12143. *Contribution: 15%*. Citations: 1
- 20) Curto EM, **Gemensky-Metzler AJ**, Chandler HL, Wilkie DA. Equine glaucoma: a histopathologic retrospective study (1999-2012). *Vet Ophthalmol* 2014;17(5):334-342. Epub July 2013. VOP12080. *Contribution: 30% (senior author)*. Citations: 11
- 21) Christoforidis JB, Xie Z, Jiang A, Wang J, Pratt C, **Gemensky-Metzler A**, Abdel-Rasoul M, Roy S, Liu Z. Serum levels of intravitreal bevacizumab after vitrectomy, lensectomy and non-surgical controls. *Curr Eye Res* 2013; 38(7): 761-766. *Contribution: 5%*. Citations: 7
- 22) Chandler HL, Haeussler DJ, **Gemensky-Metzler AJ**, Wilkie DA, Lutz EA. Induction of posterior capsule opacification by hyaluronic acid in an *ex vivo* model. *Invest Ophthalmol Vis Sci* 2012; April 6;53(4):1835-1845. *Contribution: 15%*. Citations: 10
- 23) Annear MJ, **Gemensky-Metzler AJ**, Wilkie DA. Uveitic glaucoma in the horse. *Eq Vet Educ* 2012;24(2):97-105. Article first published online: 19 Sept 2011. *Contribution: 20%*. Citations: 4
- 24) Kuonen Cavens VJ, **Gemensky-Metzler AJ**, Wilkie DA, Weisbrode SE, Lehman AM. The long-term effects of semiconductor diode laser transscleral cyclophotocoagulation on the normal equine eye and intraocular pressure. *Vet Ophthalmol* 2012;15(6):369-375. Article published online Jan. 31, 2012. *Contribution: 20%*. Citations: 10
- 25) Labelle AL, **Gemensky-Metzler AJ**, Wilkie DA. Nictitating membrane resection in the horse: A comparison of long-term outcomes using local versus general anesthesia. *Eq Vet J* 2011;43(Suppl. 40):42-45. Article first published online: Nov. 15, 2011. Contributed cases and opinions on retrospective analysis. Reviewed and edited manuscript. *Contribution: 15% (senior author)*.
- 26) Chandler HL, **Gemensky-Metzler AJ**, Bras ID, Robbin-Webb, Saville WJA, Colitz CMH. *In vivo* effects of adjunctive tetracycline treatment on canine refractory ulcers. *J Am Vet Med Assoc* 2010; 237(4):378-386. *Contribution: 15%*. Citations: 16

- 27)** Annear MJ, Wilkie DA, **Gemensky-Metzler AJ**. Semi-conductor diode laser transscleral cyclophotocoagulation for the treatment of glaucoma in horses: a retrospective study of 42 eyes. *Vet Ophthalmol* 2010;13(3):204-209. *Contribution: 15%*. Citations: 17
- 28)** Miesner T, Wilkie D, **Gemensky-Metzler A**, Weisbrode S, Colitz C. Extra-adrenal paraganglioma of the equine orbit: six cases. *Vet Ophthalmol* 2009;12(4):263-268. *Contribution: 33%*. Citations: 10
- 29)** Annear MJ, **Gemensky-Metzler AJ**, Elce YA, Stone SG. Exophthalmus secondary to a sinonasal cyst in a horse. *J Am Vet Med Assoc* 2008; 233(2):285-288. *Contribution: 60% (senior author)*. Citations: 9
- 30)** MD Rose, JS Mattoon, **AJ Gemensky-Metzler**, DA Wilkie, P JRajala-Schultz. Ultrasound biomicroscopy of the iridocorneal angle of the canine eye before and after phacoemulsification and intraocular lens implantation. *American Journal of Veterinary Research* 2008; 69(2): 279-288. *Contribution: 15% (co-senior author)*. Citations: 13
- 31)** DA Wilkie, **AJ Gemensky-Metzler**, SG Stone, CR Basham, KN Norris. A modified *ab externo* approach for suture fixation of an intraocular lens implant in the dog. *Vet Ophthalmol* 2008; 11(1):43-48. *Contribution: 15%*. Citations: 4
- 32)** RJ Morreale, DA Wilkie, **AJ Gemensky-Metzler**, SE Weisbrode, AM Willis. Histological effect of semiconductor diode laser transscleral cyclophotocoagulation on the normal equine eye. *Vet Ophthalmol* 2007; Mar-Apr; 10(2):84-92. *Contribution: 15%*. Citations: 12
- 33)** Bras ID, Colitz CMH, Kusewitt D, Chandler H, Lu P, **Metzler A**, Wilkie D. Evaluation of advanced glycation end-products in diabetic and inherited canine cataracts. *Graefe's Archive for Clin Exp Ophthalmol* 2007;245(2):249. *Contribution: 10%*. Citations: 7
- 34)** TM Fife, **AJ Gemensky-Metzler**, DA Wilkie, CMH Colitz, ID Bras, DC Klages. Clinical features and outcomes of phacoemulsification in 39 horses: a retrospective study (1993-2003). *Vet Ophthalmol* 2006; 9(5):361-368. *Contribution: 50% (senior author)*. Citations: 14
- 35)** DA Wilkie, **AJ Gemensky-Metzler**, CMH Colitz, ID Bras, VJ Kuonen, KN Norris, CR Basham. Canine cataracts, diabetes mellitus and spontaneous lens capsule rupture: a retrospective study of 18 dogs. *Vet Ophthalmol* 2006;9(5):328-334. *Contribution: 15%*. Citations: 24

- 36)** ID Bras, CMH Colitz, WJA Saville, **AJ Gemensky-Metzler**, DA Wilkie. Posterior capsular opacification in diabetic and nondiabetic canine patients following cataract surgery. *Vet Ophthalmol* 2006;9(5):317-327. *Contribution:* 15%. Citations: 24
- 37)** **AJ Gemensky-Metzler**, DA Wilkie, JJ Kowalski, LM Schmall, AM Willis, M Yamagata. Changes in equine ocular bacterial and fungal flora following experimental application of topical antibiotic and antibiotic-corticosteroid ophthalmic preparations. *Am J Vet Res.* 2005;66(5):800-811. Completed research, organized and analyzed data, wrote and edited manuscript. *Contribution:* 90%.
- 38)** Bras ID, **Gemensky-Metzler AJ**, Kusewitt DF, Colitz CMH, Wilkie DA. Immunohistochemical characterization of a malignant intraocular teratoid medulloepithelioma in a cockatiel. *Vet Ophthalmol* 2005; 8(1):59-66. *Contribution:* 20%. Citations: 15
- 39)** **Gemensky-Metzler AJ**, Wikie DA, Cook CS. The use of semiconductor diode laser for deflation and coagulation of anterior uveal cysts in dogs, cats and horses: a report of 20 cases. *Vet Ophthalmol* 2004; 7(5):360-368. *Contribution:* 90%. Citations: 11
- 40)** **Gemensky-Metzler AJ**, Wilkie DA. Surgical management and histologic and immunohistochemical features of a cataract and retrolental plaque secondary to persistent hyperplastic tunica vasculosa lentis/ persistent hyperplastic primary vitreous (PHTVL/PHPV) in a Bloodhound puppy. *Vet Ophthalmol* 2004;7(5):369-375. *Contribution:* 90%. Citations: 11
- 41)** Gandolf AR, Atkinson MW, **Gemensky AJ**, et. al. Intraocular nematodiasis caused by *Parelaphostrongylus tenuis* in an eland antelope (*Taurotragus oryx*). *J Zoo Wildlife Med* 2003; 34(2):194-199. Provided ophthalmic examination and ultrasonography, review of histopathology specimens and figure legends, contributed to literature review and edited manuscript. *Contribution:* 20%. Citations: 3
- 42)** **Gemensky AJ** and Wilkie DA. Mineralized corneal sequestrum in a cat. *J Am Vet Med Assoc* 2001; 219(11):1568-1572. *Contribution:* 90%. Citations: 9
- 43)** Willis AM, Anderson D, **Gemensky AJ**, Wilkie DA, Silvera F. Evaluation of intraocular pressure in eyes of clinically normal llamas and alpacas. *Am J Vet Res* 2000; 61(12): 1542. *Contribution:* 30%. Citations: 20

F. Editor Reviewed Journal Articles:

- 1) Wilkie DA, **Gemensky-Metzler AJ**. Pharmacologic agents for intraocular surgery. *Vet Clin North Amer Small Anim Pract* 2004;34:801-824. Performed literature review and wrote section of the chapter detailing drugs used to prevent and treat postoperative ocular hypertension. *Contribution: 25%*.

G. Reviews:

- 1) **Gemensky-Metzler AJ**. Diagnosis and treatment of common ophthalmic disorders in South American Camelids. *Livestock*, March/April 2020; 25(3): 1-8. <https://doi.org/10.12968/live.2020.25.3.156>. Submitted 12/4/19. Accepted 1/16/20. *Contribution: 100%*. (peer reviewed)

H. Abstracts/Presentations with Proceedings Publication:

- 1) BJ Hartrum, TR Webb, GM Newbold, **AJ Gemensky-Metzler**, SC Kennedy, BA Carson. Why Surgeons Should Care About the Eyes of Patients Undergoing TECABO (total ear canal ablation and bulla osteotomy). Poster presentation. American College of Veterinary Surgeons Surgery Summit Oct 12-14, 2023. (peer reviewed)
- 2) PA Wilcox, EJ Miller, GM Newbold, HL Chandler, **AJ Gemensky-Metzler**, AL Bessler. Effect of diamond burr debridement duration on the healing outcomes of spontaneous chronic corneal epithelial defects: Preliminary results. 53rd Annual Meeting of the American College of Veterinary Ophthalmologists. Oct 26-29, 2022. (peer reviewed)
- 3) **AJ Gemensky-Metzler**. Clinical and histologic features and long-term outcome of ocular and nasal amyloidosis in a Quarter horse. International Equine Ophthalmology Consortium, Louisville, KY. June 9-11, 2022. (peer reviewed).
- 4) NP Violette, **AJ Gemensky-Metzler**, GM Newbold, EJ Miller. Vision outcome after lens extraction versus nonsurgical management of primary lens instability in dogs. Abstracts: 52nd Annual Meeting of the American College of Veterinary Ophthalmologists. Sept 29-Oct 2, 2021. *Vet Ophthalmol* 2021; Epub 10/28/21:P47. (peer reviewed)
- 5) NP Violette, GM Newbold, **AJ Gemensky-Metzler**, EJ Miller. Effects of gabapentin and trazodone on electroretinograms recorded in normal dogs. Abstracts: 52nd Annual Meeting of the American College of Veterinary Ophthalmologists. Sept 29-Oct 2, 2021. *Vet Ophthalmol* 2021; Epub 10/28/21:G54. (peer reviewed)
- 6) A Bendlin, **AJ Gemensky-Metzler**, D Diaz-Campos, GM Newbold, HL Chandler, EJ Miller. Diagnosis of infectious ulcerative keratitis: The use of Next-Generation Sequencing in

- veterinary ophthalmology patients. Abstracts: 51st Annual Meeting of the American College of Veterinary Ophthalmologists (Virtual) Sept 23-27, 2020. *Vet Ophthalmol* 2020;23(6):G1. (peer reviewed)
- 7) MR Jinks, AL Hecht, EJ Miller, **AJ Gemensky-Metzler**, HL Chandler. Establishing a role of extrinsic forces on lens cell mitosis. Abstracts: 50th Annual Meeting of the American College of Veterinary Ophthalmologists Nov 6-9, 2019. *Vet Ophthalmol* 2019;22(6):G31. (peer reviewed)
- 8) LK Uhl, M de Linde Henriksen, **AJ Gemensky-Metzler**, L Sebbag, JM Todd. Cataracts in the Siberian Husky: A multicentric and retrospective study. Abstracts: 50th Annual Meeting of the American College of Veterinary Ophthalmologists Nov 6-9, 2019. *Vet Ophthalmol* 2019;22(6):G43. (peer reviewed)
- 9) HH Wang, **AJ Gemensky-Metzler**, R Rowen, EJ Miller, H Chandler, G Mitchell. Retrospective analysis of infectious keratitis diagnosed after cataract surgery in diabetic and non-diabetic dogs: 95 cases (1998-2017). Abstracts: 49th Annual Meeting of the American College of Veterinary Ophthalmologists Sept 26-29, 2018. (peer reviewed)
- 10) CM Brines, **AJ Gemensky-Metzler**, T Wickware, HL Chandler, EJ Miller, G Mitchell. Retrospective evaluation of cataracts and long-term vision outcome following phacoemulsification in a population of American Cocker spaniels: 186 cases. Abstracts: 49th Annual Meeting of the American College of Veterinary Ophthalmologists Sept 26-29, 2018. (peer reviewed)
- 11) HH Wang, **AJ Gemensky-Metzler**, R Rowen, EJ Miller, H Chandler, G Mitchell. Retrospective analysis of infectious keratitis diagnosed after cataract surgery in diabetic and non-diabetic dogs: 95 cases (1998-2017). *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April 11, 2018. (non-peer reviewed).
- 12) KJ Gervais, HL Chandler, **A Gemensky Metzler**, DA Wilkie, EJ Miller. Evaluation of a biodegradable thermogel polymer for intraocular delivery of cyclosporine A to prevent posterior capsule opacification. *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April, 2017. (non-peer-reviewed).
- 13) **AJ Gemensky Metzler**, ME Torrence, BA Wolfe, G Paul. Chronic keratopathy of chimpanzees in an wildlife preserve in Kenya. Abstracts: 47th Annual Meeting of the American College of Veterinary Ophthalmologists Oct 26-29, 2016. (peer reviewed)
- 14) S Edwards, **A Metzler**, P Rajala-Schultz, C Premanandan, K Montgomery. Feline diffuse iris melanoma versus melanosis: a retrospective case series. Abstracts: 46th Annual

Meeting of the American College of Veterinary Ophthalmologists Oct 7-10, 2015, p. 107. (peer reviewed)

- 15) RF Wehrman, **AJ Gemensky Metzler**, HL Chandler. Objective evaluation of the systemic effects of topically applied 1% atropine in the horse. Abstracts: 46th Annual Meeting of the American College of Veterinary Ophthalmologists Oct 7-10, 2015, p. 115. (peer reviewed)
- 16) KJ Gervais, HL Chandler, DA Wilkie, **AJ Gemensky Metzler**. Intracapsular delivery of cyclosporine A using a biodegradable thermosensitive hydrogel polymer reduces *ex vivo* PCO formation. Abstracts: 46th Annual Meeting of the American College of Veterinary Ophthalmologists Oct 7-10, 2015, p. 83. (peer reviewed)
- 17) BM Brash, DA Wilkie, **AJ Gemensky Metzler**, HL Chandler. The effect of trypan blue on posterior capsule opacification in an *ex vivo* canine model. Abstracts: 46th Annual Meeting of the American College of Veterinary Ophthalmologists Oct 7-10, 2015, p. 84. (peer reviewed)
- 18) HL Chandler, Wehrman RF, **AJ Gemensky Metzler**. Targeting plasma membrane repair in corneal wound healing. Abstracts: 46th Annual Meeting of the American College of Veterinary Ophthalmologists Oct 7-10, 2015, p. 86. (peer reviewed)
- 19) M Lassaline-Utter M, **AJ Gemensky-Metzler**, R Stoppini, CA Latimer. NE MacLaren. Bilateral inferotemporal corneal stromal loss in Friesian horses. Abstracts: 44th Annual Meeting of the American College of Veterinary Ophthalmologists Nov 4-9, 2013. *Vet Ophthalmol* 2013;16(6):E38. (peer reviewed)
- 20) EA Lutz, TE Webb, ID Bras, JS Sapienza, DA Wilkie, **AJ Gemensky-Metzler**, CR Corbett, KM McHenry and AM Beyer. Diode endoscopic cyclophotocoagulation in dogs with primary and secondary glaucoma: 309 cases (2004-2013). Abstracts: 44th Annual Meeting of the American College of Veterinary Ophthalmologists Nov 4-9, 2013. *Vet Ophthalmol* 2013;16(6):E40. (peer reviewed).
- 21) KM Montgomery, AL Labelle and **AJ Gemensky-Metzler**. Trans-corneal reduction of anterior lens luxation in dogs with lens instability: a retrospective study of 19 dogs. Abstracts: 44th Annual Meeting of the American College of Veterinary Ophthalmologists Nov 4-9, 2013. *Vet Ophthalmol* 2013;16(6):E41. (peer reviewed).
- 22) EJ Miller, **AJ Gemensky-Metzler**, DA Wilkie, CMH Colitz and HL Chandler. Effects of grape seed extract, lutein, and omega-3 fatty acids on lens epithelial cell behavior in vitro and ex vivo. Abstracts: 44th Annual Meeting of the American College of Veterinary Ophthalmologists Nov 4-9, 2013. *Vet Ophthalmol* 2013;16(6):E41. (peer reviewed).

- 23)** DA Wilkie, A van der Woerdt, **AJ Gemensky-Metzler** and K Norris. Clinical assessment of an epithelial sodium channel (ENAC) blocking agent (ZP-1) in reducing clinical symptoms associated with keratoconjunctivitis sicca (KCS) in dogs. Abstracts: 44th Annual Meeting of the American College of Veterinary Ophthalmologists Nov 4-9, 2013. *Vet Ophthalmol* 2013;16(6):E49. (peer reviewed). DOI:10.1111/vop.12116
- 24)** EJ Miller, **AJ Gemensky-Metzler**, DA Wilkie, CMH Colitz and HL Chandler. Effects of grape seed extract, lutein, and omega-3 fatty acids on lens epithelial cell behavior in vitro and ex vivo. Association for Research in Vision and Ophthalmology Annual Meeting. Ft. Lauderdale, FL. May 6-10, 2013 (peer reviewed).
- 25)** EJ Miller, **AJ Gemensky-Metzler**, DA Wilkie, CMH Colitz and HL Chandler. Effects of grape seed extract, lutein, and omega-3 fatty acids on lens epithelial cell behavior in vitro and ex vivo. *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April 11, 2013. (non-peer reviewed).
- 26)** **AJ Gemensky-Metzler**, DA Wilkie, SE Weisbrode, S Kuhn. Effect of semiconductor diode laser transscleral cyclophotocoagulation in buphthalmic equine globes. Abstracts: 43rd Annual Meeting of the American College of Veterinary Ophthalmologists Oct 17-20, 2012. *Vet Ophthalmol* 2013;16(1):E8. (peer reviewed).
- 27)** EM Curto, **AJ Gemensky-Metzler**. Equine glaucoma: a histopathological retrospective study of cases (1999-2012). Abstracts: 43rd Annual Meeting of the American College of Veterinary Ophthalmologists Oct 17-20, 2012. *Vet Ophthalmol* 2013;16(1):E4. (peer reviewed).
- 28)** J Lu, **AJ Gemensky-Metzler**, DA Wilkie, P Rajala-Schultz. Retrospective study of the incidence of keratoconjunctivitis sicca (KCS) in diabetic and non-diabetic dogs after phacoemulsification. Abstracts: 43rd Annual Meeting of the American College of Veterinary Ophthalmologists Oct 17-20, 2012. *Vet Ophthalmol* 2013;16(1):E13. (peer reviewed).
- 29)** EA Lutz, DA Wilkie, **AJ Gemensky-Metzler**. Combined lensectomy and diode laser endoscopic cyclophotocoagulation as prophylactic therapy in non-glaucomatous canine eyes with primary lens instability. Abstracts: 43rd Annual Meeting of the American College of Veterinary Ophthalmologists Oct 17-20, 2012. *Vet Ophthalmol* 2013;16(1):E14. (peer reviewed).
- 30)** **AJ Gemensky-Metzler**, DA Wilkie, SE Weisbrode, S Kuhn. Effect of semiconductor diode laser transscleral cyclophotocoagulation in buphthalmic equine globes. International Equine Ophthalmology Consortium, Stirling, Scotland. June 11, 2012 (peer reviewed).

- 31)** AL Labelle, RE Hamor, P Labelle, RJ McMullen, KT Wiggans, **AJ Gemensky-Metzler**, et al. Equine intraocular melanocytic neoplasia (EIMN): 52 cases. International Equine Ophthalmology Consortium, Stirling, Scotland. June 11, 2012 (peer reviewed).
- 32)** EA Lutz, DA Wilkie, **AJ Gemensky-Metzler**, HL Chandler. Effect of modified cyclosporine A on lens epithelial cell and corneal endothelial cell viability. Association for Research in Vision and Ophthalmology Annual Meeting. Ft. Lauderdale, FL. May 10, 2012 (peer reviewed).
- 33)** EA Lutz, DA Wilkie, **AJ Gemensky-Metzler**, HL Chandler. Effect of modified cyclosporine A on lens epithelial cell and corneal endothelial cell viability. *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April, 2012. (non-peer-reviewed). Received Best Clinical Research Poster Award.
- 34)** EA Lutz, DA Wilkie, **AJ Gemensky Metzler**, HL Chandler. Impact of modified cyclosporine on lens epithelial cell and corneal endothelial cell viability. Abstracts: 42nd Annual Meeting of the American College of Veterinary Ophthalmologists Oct 2011. *Vet Ophthalmol* 2011;14(6):418. (peer reviewed). Received Best Basic Science Research Paper in Residents' Forum.
- 35)** Labelle AL, **Metzler AG**, Wilkie DA. Comparison of long term outcomes of standing and recumbent third eyelid resection in the horse. 2nd Dorothy Havemeyer Foundation Equine Ophthalmology Symposium, West Palm Beach, FL. April 2011 (peer reviewed).
- 36)** Labelle AL, **Metzler AG** Wilkie DA. Comparison of long term outcomes of standing and recumbent third eyelid resection in the horse. American Association of Equine Practitioners Meeting. San Antonio, TX, November 22, 2011 (peer reviewed).
- 37)** EA Lutz, DA Wilkie, **AJ Gemensky Metzler**, HL Chandler. The effects of Aqualase capsular washing on lens epithelial cells *in vitro* following phacoemulsification. *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April, 2011. (non-peer-reviewed). Received Best Clinical Research Poster Award.
- 38)** DJ Haeussler, Jr. EA Lutz, DA Wilkie, **AG Metzler**, HL Chandler. Effects of hyaluronic acid on canine lens epithelial cells *in vitro*. *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April, 2010. (non-peer-reviewed)
- 39)** KE Pierce, JT Bartoe, DA Wilkie, **AJ Gemensky-Metzler**, WM Townsend, SM Peterson-Jones, P Curran. An association between acute bullous keratopathy and administration of systemic anti-inflammatory/immunosuppressive therapy in cats. Abstracts: 41st Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2010;13(6): 413. (peer reviewed)

- 40)** EA Lutz, DA Wilkie, **AJ Gemensky Metzler**, HL Chandler. The effects of Aqualase capsular washing on lens epithelial cells *in vitro* following phacoemulsification. Abstracts: 41st Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2010;13(6): 414. (peer reviewed)
- 41)** DJ Haeussler Jr., EA Lutz, DA Wilkie, **AJ Gemensky Metzler**, HL Chandler. The effects of hyaluronic acid on lenticular epithelial migration *in vitro*. Abstracts: 41st Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2010;13(6): 414. (peer reviewed)
- 42)** C Robinson, D Wilkie, **A Metzler**, S Weisbrode, R Spatola. Evaluation of efficacy and biocompatibility of indirect intraocular pressure monitoring using a telemetric scleral sensor. Abstracts: 40th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2009;12(6): 402. (peer reviewed)
- 43)** SG Stone, DA Wilkie, **AJ Gemensky-Metzler**. Canine capsular tension ring safety and complication rates in eyes with stable and unstable lenses. Abstracts: 39th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2008;11(6): 426. (peer reviewed)
- 44)** HL Chandler, ID Bras, TE Robbin-Webb, SJA Saville, **AJ Gemensky-Metzler**, CMH Colitz. *In-vivo* effects of tetracyclines on healing of canine refractory corneal ulcers. Abstracts: 39th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2008;11(6): 425. (peer reviewed)
- 45)** MJ Annear, DA Wilkie, **AJ Gemensky-Metzler**. Diode laser transscleral cyclophotocoagulation for treatment of equine glaucoma: a retrospective study of 42 eyes of 36 horses. Abstracts: 39th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2008;11(6): 424. (peer reviewed)
- 46)** C Evans, DA Wilkie, A Lara Garcia, SG Stone, **AJ Gemensky-Metzler**, CA Robinson, CR Basham. Bilateral feline acute bullous keratopathy and immunosuppressive drugs. Abstracts: 39th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2008;11(6): 415. (peer reviewed)
- 47)** SG Stone, DA Wilkie, **AJ Gemensky-Metzler**. Canine lens instability surgical options – Part 1: Capsular tension ring use for phacoemulsification and intraocular lens placement. Abstracts: 38th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2007;10(6): 407 (peer reviewed)
- 48)** DA Wilkie, SG Stone, **AJ Gemensky-Metzler**, CR Basham, KA Norris. Canine lens instability surgical options – Part 2: A modified *ab-externo* approach for suture fixation of an intraocular lens implant in the dog. Abstracts: 38th Annual Meeting of the

American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2007;10(6):409 (peer reviewed)

- 49)** SG Stone, DA Wilkie, CMH Colitz, **AJ Gemensky-Metzler**. Capsular tension ring effect on canine lens epithelial cell proliferation and migration *ex-vivo*. Abstracts: 37th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2006;9(6):419 (peer reviewed)
- 50)** MD Rose, JS Mattoon, DA Wilkie, **AJ Gemensky-Metzler** and PJ Rajala-Schultz. Ultrasound biomicroscopy of the iridocorneal angle before and after phacoemulsification and intraocular lens implantation in the dog. Abstracts: 36th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2005; 8(6):444 (peer reviewed)
- 51)** VJ Kuonen, **AJ Gemensky-Metzler**, DA Wilkie, CMH Colitz and SE Weisbrode. Long-term histologic effect of diode laser transscleral cyclophotocoagulation (TSCP) on the normal equine eye. Abstracts: 36th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2005; 8(6):445 (peer reviewed)
- 52)** CMH Colitz, HL Chandler, P Lu, Y Sugimoto, CA Barden, **AJG Metzler**, DA Wilkie, ID Bras, VJ Kuonen, TE Robbin and EB Belknap. Estrogen localization and synthesis by cataractous LEC. Abstracts: 36th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2005; 8(6):440 (peer reviewed)
- 53)** TE Robbin, HL Chandler, CA Barden, SK Kulp, CS Chen, M Wyman, ID Bras, DA Wilkie, **AJ Gemensky-Metzler** and CMH Colitz. The effect of phosphorylated AKT inhibition on posterior capsular opacification in the canine lens. Abstracts: 36th Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2005; 8(6):448 (peer reviewed)
- 54)** Bras ID, **Gemensky-Metzler AJ**, Wilkie DA, Kuonen VJ, Robbin TC, Colitz CMH. Posterior capsular opacification in diabetic and non-diabetic canine patients following cataract surgery. *The Association for Research in Vision and Ophthalmology*, April 2005. (peer reviewed)
- 55)** Robbin TC, Chandler HL, Barden CA, Kulp SK, Chen C, Wyman M, Wilkie DA, **Gemensky-Metzler AJ**, Bras ID. The effect of phosphorylated Akt inhibition on posterior capsular opacification in the canine lens. *The Association for Research in Vision and Ophthalmology*, April 2005. (peer reviewed)
- 56)** Colitz CMH, Chandler HL, Lu P, Sugimoto Y, Barden CA, **Gemensky-Metzler AJ**, Wilkie DA, Bras ID, Kuonen VJ, Robbin TC. Estrogen localization and local synthesis of estrogen by cataractous LEC. *The Association for Research in Vision and Ophthalmology*, April 2005. (peer reviewed)

- 57)** Fife TM, **Gemensky-Metzler AJ**, Wilkie DA, Colitz CMH, Bras ID, Klages D. Clinical features and outcome of phacoemulsification in 39 horses: a retrospective study (1993-2003). Abstracts: 35th Annual Meeting of the American College of Veterinary Ophthalmologists. *Veterinary Ophthalmol* 2004 7(6): 451. (peer reviewed)
- 58)** Bras ID, **Gemensky-Metzler AJ**, Wilkie DA, Saville W, Kuonen VJ, Robbin T, Elliott R, Colitz CMH. PCO in diabetic and non-diabetic patients following cataract surgery. Abstracts: 35th Annual Meeting of the American College of Veterinary Ophthalmologists. *Veterinary Ophthalmol* 2004 7(6): 446. (peer reviewed)
- 59)** Colitz CMH, Barden CA, Chandler HL, Lu P, **Metzler AG**, Wilkie DA, Bras ID, Kuonen VJ. Phosphorylation of telomerase and estrogen receptor-alpha by AKT in cataracts. Abstracts: 35th Annual Meeting of the American College of Veterinary Ophthalmologists. *Veterinary Ophthalmol* 2004 7(6): 445. (peer reviewed)
- 60)** **Gemensky-Metzler AJ**, Wilkie DA, Colitz CMH, Bras ID, Morreale RJ, Norris KA, Elliott R. Electroretinographic and demographic findings in dogs presented for cataract surgery (1998-2003). *Invest Ophthalmol Vis Sci* 2004;45:1592. (peer reviewed)
- 61)** Colitz CMH, Barden CA, Chandler HL, **Gemensky-Metzler AJ**, Wilkie DA, Bras ID, Sugimoto Y, Mauer TF, Lembach RG. Telomerase interacts with estrogen receptor-alpha in cataractous LEC. *Invest Ophthalmol Vis Sci* 2004;45:1583. (peer reviewed)
- 62)** Bras ID, Chandler HL, Wilkie DA, **Metzler AG**, Kuonen VJ, Koyama H, Colitz CMH. Evaluation of advanced glycation end-products in diabetic and inherited canine cataracts. *Invest Ophthalmol Vis Sci* 2004;45:1579. (peer reviewed)
- 63)** **Gemensky-Metzler AJ**, Wilkie DA, Colitz CMH, Bras ID, Morreale RJ, Norris KA, Elliott R. Electroretinographic and demographic findings in dogs presented for cataract surgery (1998-2003). *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April, 2004. (non-peer-reviewed)
- 64)** Bras ID, Wilkie DA, **Gemensky-Metzler AJ**, Kuonen VJ, Koyama H, Colitz CMH. Evaluation of advanced glycation end-products in diabetic and inherited canine cataracts. *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April, 2004. (non-peer-reviewed)
- 65)** Colitz CMH, Barden CA, Chandler HL, **Gemensky-Metzler AJ**, Wilkie DA, Bras ID, Kuonen VJ. Telomerase interacts with estrogen receptor-alpha in cataractous LEC. *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April, 2004. (non-peer-reviewed)

- 66) AJ Gemensky-Metzler, KA Norris, DA Wilkie, CMH Colitz, ID Bras, R. Elliott.** Electroretinographic and demographic findings in dogs presented for cataract surgery (1998-2003). Abstracts: 34th Annual Meeting of the American College of Veterinary Ophthalmologists. *Veterinary Ophthalmol* 2003 6(4): 364. (peer reviewed)
- 67) Bras, ID, Wilkie, DA, Gemensky AJ, Kuonen VJ, Koyama H, Colitz, CMH.** Evaluation of advanced glycation end-products in diabetic and inherited canine cataracts. Abstracts: 34th Annual Meeting of the American College of Veterinary Ophthalmologists. *Veterinary Ophthalmol* 2003 6(4): 365. (peer reviewed)
- 68) VJ Kuonen, CMH Colitz, DA Wilkie, AJ Gemensky-Metzler, ID Bras, H Koyama.** A PCR-based assay for the diagnosis of equine fungal keratitis. Abstracts: 34th Annual Meeting of the American College of Veterinary Ophthalmologists. *Veterinary Ophthalmol* 2003 6(4): 364. (peer reviewed)
- 69) Bras, ID, Wilkie, DA, Gemensky AJ, Kuonen VJ, Koyama H, Colitz, CMH.** Evaluation of advanced glycation end-products in diabetic and inherited canine cataracts. *Abstracts-Advances in Veterinary Research Day, The Ohio State University, March, 2003.* (non-peer-reviewed)
- 70) Morreale, RJ, Wilkie DA, Gemensky AJ, Weisbrode SE, Colitz CMH, Willis AM.** The effect of varying laser energy on semiconductor diode laser transscleral cyclophotocoagulation (TSCP) in the normal equine eye. *Abstracts-Advances in Veterinary Research Day, The Ohio State University, March, 2003.* (non-peer-reviewed)
- 71) Morreale, RJ, Wilkie DA, Gemensky AJ, Weisbrode SE, Colitz CMH, Willis AM.** The effect of varying laser energy on semiconductor diode laser transscleral cyclophotocoagulation (TSCP) in the normal horse eye. Abstracts: 33th Annual Meeting of the American College of Veterinary Ophthalmologists. *Veterinary Ophthalmol* 2002 5(4): 298. (peer reviewed)
- 72) DA Wilkie, AJ Gemensky, RJ Morreale, KA Norris, CMH Colitz, ID Bras, H Koyama.** Spontaneous lens capsule rupture secondary to diabetes mellitus: surgical outcome in canine cases. Abstracts: 33th Annual Meeting of the American College of Veterinary Ophthalmologists. *Veterinary Ophthalmol* 2002 5(4): 298. (peer reviewed)
- 73) DA Wilkie, AJ Gemensky, KN Norris, MG Davidson and BC Gilger.** Intravitreal cyclosporine A (CsA) implantation for equine recurrent uveitis (ERU). Abstracts: 32nd Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2001;4(4):292. (peer reviewed)
- 74) RJ Morreale, DA Wilkie, AJ Gemensky, AM Willis and SE Weisbrode.** Acute histologic effect of transscleral cyclophotocoagulation (TSCP) on the normal horse eye. Abstracts:

32nd Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2001;4(4):289. (peer reviewed)

75) DA Wilkie, ES Peckham, S. Paulic, **A Gemensky**, RJ Morreale, T Miller, MG Davidson, KN Norris and BC Gilger. Equine glaucoma and diode laser transscleral cyclophotocoagulation (TSCP): 27 cases. Abstracts: 32nd Annual Meeting of the American College of Veterinary Ophthalmologists. *Vet Ophthalmol* 2001;4(4):294. (peer reviewed)

76) Willis AM, Anderson D, **Gemensky AJ**, Wilkie DA, Silvera F: Evaluation of intraocular pressure in normal eyes of llamas and alpacas. *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April, 2000. (non-peer-reviewed)

77) **Gemensky AJ**, Wilkie DA, Kowalski J, Schmall LM, Yamagata M, Willis AM, Miller T. Changes in equine ocular flora following experimental application of antibiotic and antibiotic-corticosteroid ophthalmic preparations. *Abstracts-Advances in Veterinary Research Day*, The Ohio State University, April, 2000. (non-peer-reviewed)

78) **Gemensky AJ**, Wilkie DA, Yamagata M, Willis AM, Miller TL. Changes in equine ocular flora following experimental application of antibiotic and antibiotic-corticosteroid ophthalmic preparations. *Vet Ophthalmol* 2:259, 1999. (peer reviewed)

GRANTS AND CONTRACTS

- 1) *National Institute of Health/National Eye Institute R01EY032621*. Ultrasound biomechanical imaging of pig eyes. Liu, J and **Gemensky-Metzler AJ**. OSURF AWP-10005880. Funded 2/1/2023-1/21/2028. \$2,203,812.00. Worked extensively with PI to develop an appropriate porcine model, housing, anesthetic protocol and study protocol. Reviewed and edited grant application. Reviewed IACUC protocol. For the study, I will perform ophthalmic examinations and assist in ultrasound biomicroscopy and collection of biomechanical data on the pigs. *Contribution: 15%*.
- 2) *National Institute of Health. U01EY032973*. First-aid medicine to treat vesicant-induced cornea injury. Ma, J, Zhu H, Chandler H, Swindle-Reilly K, **Gemensky-Metzler AJ**, Yu L. Funded 7/1/2022-6/30/2027. \$3,949,166.00. Will perform ophthalmic exams on study subjects, acquire and organize digital images and record data for live animal portions of the study. *Contribution 5%*.
- 3) *American College of Veterinary Ophthalmologists Vision for Animals Foundation-Residents' Research Funds 2023*. Funded 2/1/2023-1/1/2025. \$5,000. Beatty A, Newbold G, Flint M, Flint J, **Gemensky-Metzler AJ**. Survey assessment of ophthalmic diagnostic parameters, conjunctival flora, and ocular health of a large population of American alligators (*Alligator mississippiensis*). Grant submitted December 2022. On

1/20/23, assisted with pilot examinations and measurements and took photographs. Will assist with procedures throughout the as needed. *Contribution 10%.*

- 4) *National Institute of Health/National Eye Institute R01EY030621.* Preservation of limbal stem cell function in corneal injury. Zhu H, Ko J, Chandler H, **Gemensky-Metzler AJ**. Funded 9/1/2019 – 7/31/2023. \$1,610,000.00. *Contribution 10%.* Will perform ophthalmic exams on study subjects, acquire and organize digital images and record data for live animal portions of the study.
- 5) *Ceva Animal Health. Funded 8/2017-8/2019. \$59,393.00.* Dose titration study of D929 for the management of reduced tear production and dry eye in dogs. *Contribution – 25% of entire project.* Contributed to planning of experimental design, development of examination criteria and forms, development of contract; co-wrote, revised and submitted CRC and IACUC; helped to recruit other institutions to participate in study, met with CTO and ophthalmology staff to develop internal protocol for clinical trial patients, Helped to screen patients for inclusion. Conducted ophthalmic examinations, performed photography and participated in data collection and analysis.
- 6) *American College of Veterinary Ophthalmologists Vision for Animals Foundation-Residents' Research Funds 2018. Funded 2/1/18-1/31/20. \$5,000.* Establishing the role of extrinsic forces on lens cell mitosis. Jinks M, Chandler H, Miller E and **Gemensky-Metzler A**. *Contribution 15%.* Contributed to planning of experimental design. Reviewed and edited grant and will review and edit abstracts, scientific presentations and manuscript.
- 7) *National Institute of Health R01 2014.* Modulation of corneal wound healing by MG53. Zhu H, Chandler H, **Gemensky-Metzler AJ**, Winter J. Funded 7/1/15-6/30/2020. \$2,694,366.00.
- 8) *American College of Veterinary Ophthalmologists Vision for Animals Foundation-Residents' Research Funds 2017.* Establishing the role of extrinsic forces on lens cell mitosis. Jinks M, Chandler H, Miller E and **Gemensky-Metzler A**. Funded 2017-2019. \$5,000.
- 9) *Ohio Animal Health Foundation 2014. Funded 4/21/15-12/31/15. \$10,000.* Chandler HL, **Gemensky-Metzler AJ**, Wehrman RF. Objective evaluation of the systemic effects of topically applied 1% atropine in the horse.
- 10) *American Kennel Club Canine Health Foundation, Inc. 2014.* Funded 2014-2016. \$12,960. Chandler HL, Gervais KJ, **Gemensky-Metzler AJ**, Wilkie DA. Evaluation of a

biodegradable thermogel polymer for sustained intraocular delivery of cyclosporine A to prevent posterior capsule opacification in a rabbit model.

- 11) *American College of Veterinary Ophthalmologists Vision for Animals Foundation-Residents' Research Funds 2014*. The effect of trypan blue on posterior capsule opacification in an *ex vivo* model. B Brash, HL Chandler, DA Wilkie, **AJ Gemensky-Metzler**. Funded 1/30/14-1/30/16. \$5000.
- 12) *Research sponsored by Zoion Pharmaceuticals*. Clinical assessment of the ZP-1 in reducing clinical symptoms associated with keratoconjunctivitis sicca in dogs. Wilkie DA, **Gemensky-Metzler A**. Funded 9/20/2011-9/30/2013. \$44,459.
- 13) *American College of Veterinary Ophthalmologists Vision for Animals Foundation-Residents' Research Funds 2011*. Effects of three common antioxidants on posterior capsule opacification *in vitro*. E Miller, HL Chandler, **AJ Gemensky-Metzler**, DA Wilkie, CMH Colitz. Funded 12/1/11-12/31/13. \$5000.
- 14) *American College of Veterinary Ophthalmologists Vision for Animals Foundation-Residents' Research Funds 2010*. Impact of cyclosporine A on lens epithelial cell apoptosis and corneal endothelial viability. EA Lutz, HL Chandler, DA Wilkie, **AJ Gemensky-Metzler**. Funded 12/1/10-12/31/11. \$5000.
- 15) *Research sponsored by Scynexis*. Treatment of canine keratoconjunctivitis sicca with an aqueous formulation of cyclosporine A. Wilkie DA, **Gemensky-Metzler A**, Labelle A. Funded 2010-2011. \$11,340.
- 16) *Research sponsored by SentrX Incorporated*. Protocol for the clinical assessment of the use of SentrX KCS Treatment Gel in reducing clinical symptoms associated with KCS in dogs. Wilkie DA, **Gemensky-Metzler A**, Labelle A. Funded 2010-2011. \$12,600.
- 17) *American College of Veterinary Ophthalmologists Vision for Animals Foundation-Residents' Research Funds 2009*. The effects of hyaluronic acid on lenticular epithelial migration *in-vitro*. Haeussler DJ, Chandler HL, Wilkie DA, **Gemensky-Metzler AJ**. Funded 11/1/09-10/31/10. \$5000.
- 18) *Research sponsored by AcriVet*. Effects of hyaluronic acid on lens epithelial cell migration and proliferation. Haeussler DJ, Chandler HL, Wilkie DA, **Gemensky-Metzler AJ**. Funded 11/1/09-10/31/10. \$7500.
- 19) *Research sponsored by Medical Sensor Technologies, Inc*. May 2008. 1/1/08-12/30/08. Wilkie DA, Robinson CR and **Gemensky-Metzler AJ**. Evaluation of efficacy and biocompatibility of indirect intraocular pressure monitoring using a telemetric scleral sensor. \$18,199.67.

- 20) *Research sponsored by Johnson & Johnson Vision Care, January 2008. 1/1/08-11/30/08. Nichols, JJ, Chandler H, **Gemensky-Metzler AJ**. Prevention of UV-induced damage to the anterior segment using UV-absorbing polymer contact lenses. Grant: \$75,658.*
- 21) *The American Kennel Club Canine Health Foundation, April 2007. 4/1/07-3/31/08. Chandler H, **Gemensky-Metzler AJ**, Saville, W. *In-vivo* effects of tetracycline on canine refractory ulcers. Grant: \$12,707.*
- 22) *The Ohio State University Research Foundation, 2006. Grant: \$24,777.00. 10/1/06-9/30/08. Stone SG, Wilkie DA, Colitz CMH, **Gemensky-Metzler AJ**. Capsular tension ring effect on canine lens epithelial migration and post-operative lens capsule opacification.*
- 23) *American College of Veterinary Ophthalmologists Vision for Animals Foundation-Resident Grants, 2005. Grant: \$5000 for 1/1/05-12/31/05. VJ Kuonen, **AJ Gemensky Metzler**, DA Wilkie, CMH Colitz. Long-term histological effect of semiconductor diode laser transscleral cyclophotocoagulation on the normal equine eye.*
- 24) *The Ohio State University College of Veterinary Medicine Council for Research, Canine/Paladin Research Grant, 2004. Grant: \$10,590 for 6/04-6/06. JS Mattoon, M Rose, DA Wilkie, **A Gemensky-Metzler**. Ultrasound biomicroscopy of the anterior segment after phacoemulsification and intraocular lens implantation.*
- 25) *The Ohio Annual Health Funds, 2003. Grant: \$7,500. 1/1/03-12/31/03. Colitz, CMH, Wilkie, DA, **Gemensky AJ**. Development of a PCR-Based Assay for the Diagnosis of Fungal Keratitis in Horses.*
- 26) *The American College of Veterinary Ophthalmologists, 2002. Grant: 3611.02. 11/02-10/03. Dineli Bras, Colitz, CMH, Wilkie, DA, **Gemensky AJ**. Evaluation of Advanced Glycation End-Products in Diabetic and Inherited Cataracts.*
- 27) *The Ohio State University Equine Research Foundation, 2001. Grant: \$20,000. 2001-2003. Morreale RJ, Wilkie DA, **Gemensky AJ**, Willis AM. The Acute Histologic Effect of Diode Laser Cyclophotocoagulation on the Equine Ciliary Body.*

SERVICE AND ADMINISTRATION

COLLEGE OR UNIVERSITY COMMITTEES

1) March 2017 – present – The Ohio State University College of Veterinary Medicine Promotion and Tenure Committee

- Serve as a Clinical Track Professor representative for the Department of Veterinary Clinical Sciences.
- Review the College Patterns of Administration for Promotion and Tenure. Reviewed the Dossier, external evaluation letters and Annual Review letters for 2 candidates under consideration for promotion in the Department of Preventive Medicine.
- Meet with the committee to discuss the candidates and vote on the promotions.
- Review and edit letters from the CVM P&T committee to the Dean.
- Meet with the CVM P&T Committee to discuss the prior year's processes and plans for the upcoming cycle.

2) December 2019 – March 2020 – The Ohio State University Committee for the Reappointment Review of the Dean of the OSU College of Veterinary Medicine (CVM)

2020:

- **February 10, 2020** – attended a 2-hour meeting of the Review Committee where the Committee's charge and processes, reports and results of the survey were discussed by the committee and representatives of the University (eg. Vice President for Operations and Deputy Chief Financial Officer).
- **February 21, 2020** – attended a 2-hour meeting with the Dean's Administrative Team and the Chairs of each Department of the CVM.
- **March 11, 2020** – Teleconferenced into a 2-hour meeting with the Dean.
- **March 22, 2020** – Reviewed and provided input on comprehensive reappointment review report.
- **March 30, 2020** – Review activities completed.
- Communication with committee via email between meetings

2019:

- **December 2019** – Reviewed the Dean's Self-Assessment, the CVM Patterns of Administration, the CVM Financial Profile, the CVM Culture Surveys and other pertinent documents provided by the University
- **December 2019** – Completed the survey of the Dean's leadership sent to CVM faculty, staff and administrators.

3) September 2018 – April 2019 – Fellow of the Big Ten Academic Alliance Academic Leadership Program (BTAA ALP)

- I am one of five faculty members selected to represent the University in this cohort of the BTAA ALP.
- **Information about the BTAA ALP from its website:**
 - i. One of the most successful Big Ten Academic Alliance leadership initiatives is the Academic Leadership Program (ALP). Established in 1989, this intensive experience develops the leadership and managerial skills of faculty who have demonstrated exceptional ability and academic promise. Many of the programs' nearly 1000 Fellows have gone on to serve with distinction as college presidents, provosts, and deans.
 - ii. The ALP consists of three seminars hosted by different Big Ten Academic Alliance universities. In addition, ALP Fellows may be required to participate in on-campus activities throughout the academic year that vary by institution. The program is specifically oriented to address the challenges of academic administration at major research universities and to help faculty members prepare to meet them.
- Attended bimonthly 1.5 hour seminars with various members of University Leadership including the President and Provost to learn about their career paths, job responsibilities and advice on leadership style and skills.
- Attended three 3-day leadership seminars at various Big Ten Universities where topics are presented and discussed such as current issues in Higher Education, leadership traits and skills, academic freedom of speech, diversity and inclusion, University-level budgets, etc. The seminars also provide broad opportunities for networking with faculty and administrators from all Big Ten Universities.
 - i. October 11-13, 2018 – University of Minnesota
 - ii. February 7-9, 2019 – Purdue University
 - iii. April 11-13, 2019 – University of Illinois
- January 2019 - As a Fellow of the Big Ten Academic Alliance Academic Leadership Program, I was invited to participate in a 20/20 Research Online Discussion on Impressions of The Ohio State University to help direct the University's Marketing Plan.

4) August 2017 – April 2018 – Member of Search Committee for the Department Chair of Veterinary Clinical Sciences

- Attended committee meetings, reviewed Benchmarking survey and draft position description and provided comments, reviewed final position description, discussed and expanded prospective candidate list

- Submitted position announcement to the ACVO for posting on the website and distribution on the ACVO listserv.
- Contacted several of the candidates to discern if they had questions about the position and/or if they were interested in applying for the position.
- Reviewed applications and reference letters for 3 candidates to determine which candidates to invite to interview
- Participated in interviews with each candidate by attending candidate's seminar, Service Head meeting, lunch, and exit interview.
- Completed evaluation forms for each candidate and attended meeting to discuss the candidates and provide a recommendation to the Executive Dean and the Dean.
- Dean announced a failed search. An Interim Department Chair was named and the search postponed to a future time.

5) February 2017-June 2020 – Secretary/Member of Inaugural Faculty Council (FC)

- Appointed by Dr. Fingland to serve as a member of the inaugural Faculty Council
- The new Faculty Council held a series of meetings to plan the structure and function of the council, draft bylaws, elect officers and draft a college-wide faculty survey and meeting with the new council.
- Elected as Secretary of the council
 - Attended and took minutes at monthly Faculty Council meetings
 - Distributed draft minutes to FC members
 - Edited and distributed final minutes to FC members and for posting on the CVM Community Faculty Council webpage
 - Met as an officer with the Dean, Executive Associate Dean and the Dean of Faculty Affairs on a monthly to every-other-monthly basis and distributed notes from these meeting to FC.
 - Worked with Jay Hsiao in the Office of Teaching and Learning to construct and collate results of Top Hat polling questions to the CVM Faculty at meetings of the FC with CVM faculty.
 - Attended and compiled notes from meetings with CVM Faculty
 - Created and distributed a roster of FD members with email addresses and phone numbers
 - Extensively edited original Bylaws, distributed to FC members for comment, collated edits, distributed final draft of Bylaws to faculty at-large to vote.
- Conducted meetings of the Council with CVM Faculty.
- Attended Listening and Learning Sessions with the Dean as a representative of the Council
- Rotated off Faculty Council in June 2020.

6) July 2016 – February 2017 – Member/Co-Chair of Faculty Council Work Group

- I was nominated by my Department Chair and elected by the VCS faculty to serve on the Work Group to determine the desirability and feasibility of instituting a CVM faculty council and propose the structure and function of a faculty council. The work group consisted of 3 VCS, 2 VPM and 2 VBS representatives.
- Each member selected 3-4 CVMs to explore for information on faculty councils and shared summaries with the group.
- I became unofficial scribe of the Work Group.
- Group met determined that a faculty council was desirable and drafted a statement regarding the Work Group's recommendation for a faculty council and proposed a draft structure and function for consideration by the faculty.
- Created a Powerpoint presentation for the January 25 VCS Faculty Meeting to outline the activities and recommendation of the Faculty Council Work Group.
- Helped to draft language for a CVM-wide faculty vote for or against the creation of a faculty council.

7) February 2020 – present – Veterinary Medical Education (VME) III Teacher's Committee

- In response to deficiencies reported at the AVMA Accreditation Mock Site Visit, these committees of VME1-VME3 course leaders was formed. Each committee will had the following actions that might satisfy the AVMA COE accreditation requirements on such a short timeline:
 - Year Teachers will review the course SET feedback with the other instructors in their course (e.g., VM7526). A written summary of this feedback and faculty assessment of that information will be shared verbally amongst colleagues at this committee (e.g., VME III teachers committee). Discussion of common themes, sharing of ideas and monitoring of trends will help maintain general oversight of the program as a whole.
 - One designated representative from each teacher's committee will attend the meeting of other teachers' committees (e.g., a representative from VME I teachers will attend the VME III teachers meeting) to share information and provide continuity across years of the program.
 - Teachers will discuss student challenges and offer guidance on student progression issues, as necessary.
 - Teachers will coordinate exam scheduling for each semester to ensure optimal opportunities for student performance.
 - Teachers will coordinate as a group, and with PPS, to schedule courses to to ensure optimal student learning opportunities while also avoiding conflict.
- Meetings have been held on the following schedule with additional meetings as needed:
 - February/March – scheduling for the upcoming fall semester courses/exams, review of past fall courses
 - June – review of past spring courses, final scheduling upcoming fall
 - September – scheduling for the upcoming spring semester courses/exams

8) September 2016 – September 2018 - Council on Professional Education (CPE)

- Nominated for a 3-year term by the Dean of Student Affairs to serve on the newly reorganized council
- The CPE was created to re-align the CVM educational committees and is comprised of former Curriculum Committee members in addition to members representing the Career Areas of Emphasis, the 3 departments, professional development and Chairs of the Pre-clinical and Clinical Subcommittees.
- The CPE meets for 1.5 hours on the second Wednesday of every month.
- A main goal and function of the CPE is to review the data obtained from the Curriculum Map to determine any changes to the professional curriculum.
- The CPE also reviews Team Leader reports and approves Team Leader changes, evaluates proposals for new courses, proposals for curricular changes and changes to the clinical rotation structure of the various Career Areas of Emphasis
- Attended a 4-hour retreat for the newly created CPE to establish mission, roles and responsibilities as well as goal setting and prioritization for the upcoming 1-year, 3-year and 5-year timeframes.
- First official meeting of the CPE. Reviewed the data obtainable from a course from the Curriculum Map Project and determined plan for review of the mapping of all courses.
- For the Curriculum Map Project, I reviewed one 3-credit course (39 lecture hours), one 2-credit course (28 lecture hours) and one 1-credit course (1 lecture hour + 8 laboratory hours)
- The CPE created a report on the results of the Curriculum Map Project and presented the results to faculty.
- Reviewed veterinary graduates' exit surveys from 2015, 2016 and 2017 and provided comments for a report to the faculty.

9) November 2017 – October 2020 - Member of the College Health and Wellness Initiative Task Force

- This task force is comprised of a variety of representatives with the goal of improving Health and Wellness at The Ohio State University College of Veterinary Medicine utilizing University as well as College resources. The task force is overseen by Dean Moore and Dean of the College of Nursing, Bern Melnyk, and led by the Director of Health Promotion, Dr. Megan Amaya. Other participants include Stefanie Morrow (Director of Wellness & Health Coaching, OSU MC), Melissa Walters (Director of Wellness & Engagement-YP4H), the College Health Innovators (Amanda Fark, Kristi Pyke and Melinda Rhodes-Di Salvo) and several faculty, staff and student representatives.
- Attended initial brainstorming meeting with Dean Melnyk and Dean Moore.

- Attended meetings to discuss ideas for types of programming and facilities the CVM can provide.
- Participated in development of a survey of faculty, staff and residents to assess their interest in Health and Wellness initiatives and programming.

2020:

- October 20, 2020 – Participated in a 30-minute virtual meeting of the Health and Wellbeing Committee with the External Reviewers for the CVM AAHA Accreditation visit.

2019:

- March 19, 2019 – Reviewed 3 vendors’ proposals for a College-wide Health and Wellness program and discussed at a 1-hour meeting.
- May 13, 2019 - Attended a 1.5-hour meeting where Dr. Melnyk and her team presented the Buckeye Wellness program.
- May 30, 2019 – Attended a 1-hour meeting where the committee discussed strengths and weaknesses and compiled a list of questions about the program and how to implement the CVM Health and Wellness program.
- Summer 2019 – Attended a preliminary meeting with a small number of faculty and staff to provide input on instituting the “House” system for the CVM
- December 6, 2019 – Attended the Health Athlete Workshop.

2018:

- January 11, 2018 – Attended second meeting to discuss ideas for types of programming and facilities the CVM can provide.
- March 29, 2018 – Attended third meeting to discuss goals and ideas disseminated by email prior to the meeting.
- Attended meetings when held throughout the year (April, May, November) including meetings to plan a Health and Wellness thread to the veterinary curriculum.

2017:

- November 28, 2017 – Attended initial brainstorming meeting with Dean Melnyk and Dean Moore.

10) February-July 2017 - Member of the College of Veterinary Medicine Strategic Planning Work Group on Sustainability of our People & Facilitating Productivity

- Member of one of six Thematic Area work groups and worked to develop goals and strategies for the College’s Strategic Planning Steering Committee.
- Participated in 4 meetings

11) July-October 2017 to present - Member of the College of Veterinary Medicine Strategic Planning Oversight Team on Being the Regional Referral Veterinary Medical Center of Choice

- Member of one of six Thematic Area work groups and worked to develop goals and strategies for the College's Strategic Planning Steering Committee.
- Participated in 2 initial meetings
- Provided feedback by email to the Executive Sponsor regarding the document detailing the strategies, resources and metrics.

- **2020-2021:**
 - i. Reviewed materials and attended quarterly meetings (February 27, May 21, August 5 and November 17) of the Team to discuss the accomplishments to date and implementation of future initiatives.

- **2019:**
 - i. July-mid August and December- Attended weekly to bi-weekly meetings of the Committee to discuss the findings of the VMC assessments of efficiency of processes, prioritize initiatives to address, discuss potential solutions, rank new processes for time of implementation
 - ii. Reviewed documents and provided input by email exchange between meetings.

- **2018:**
 - i. Attended quarterly meetings (July and October) of the Team to discuss the accomplishments to date such as implementation of client and referring veterinarian satisfaction surveys and implementation of research pricing and prioritization of future initiatives to address, discuss potential solutions, rank new processes for time of implementation. Also discussed a list of VMC processes to be evaluated in a professional assessment of workflow, patient flow and teaching processes.
 - ii. Reviewed documents and provided input by email exchange between meetings.

12) July 2017 - Member of the College of Veterinary Medicine Strategic Planning Oversight Team on Operational Excellence and Resource Stewardship

- Member of one of six Thematic Area work groups and worked to develop goals and strategies for the College's Strategic Planning Steering Committee.
- Participated in 3 meetings

13) February 2018-present - Strategic Plan Strategy 1: Culture and Sustainability of Our People Implementation Team

- Member of one of six Implementation Teams for the elements of the CVM Strategic Plan.
- Participate in monthly meetings

14) December 2012 – April 2013 – The Ohio State University President and Provost’s Leadership Institute, 5th Cohort

- This is an 18-month University-wide training program I was nominated by my Department Chair and Dean. The bi-monthly 1.5-3 hour workshops focused on three areas: 1) Understanding oneself and leveraging personal strengths for effective leadership, 2) Understanding others and handling conflict, and 3) Leading change and coaching/mentoring/engaging faculty and staff.

15) February 2010 – Spring 2012 - Strategic Leadership Team – The OSU College of Veterinary Medicine

- Attended a 1 hour informational Webinar about the Center of Creative Leadership (CCL) and the purpose of the Team.
- To prepare for an upcoming workshop on Strategic Leadership, Influencing and Innovation, I completed the following assignments:
 - Completed 4 online surveys for the CCL encompassing assessments of my personality and leadership styles and attitudes
 - Conducted interviews (Appreciative Inquiry) with 2 senior faculty members regarding their impressions of successful leadership strategies and actions within the College.
 - Recruited colleagues, administrators and some direct reports to complete an online analysis of my leadership styles.
 - Reviewed the report on my data and discussed with a CCL personal coach by telephone for 1 hour.
- Attended a 3-day workshop conducted by the CCL on Strategic Leadership, Influencing and Innovation.
- Prepared for and participated in 6-8 meetings per year for 2 years with my Strategic Leadership Teams to determine Strategic Drivers and evaluate the Strengths, Weaknesses, Opportunities and Threats (SWOT) Analysis for the CVM and to explore and plan development of business degree opportunities for students for the CVM. Participated as a CCL Alumnus to welcome the new members to the CCL and SLT and discuss my experiences.

16) August 12-14, 2010 - The Ohio State University College of Veterinary Medicine Focus Forward Weekend.

This 3-day conference included CVM administrators, faculty, staff, students and clients/donors as well as private practitioners, government officials, etc. in an analysis of 5 major future endeavors for the OSU CVM and included brainstorming for and prioritizing of recommended initiatives.

17) July 21-23, 2011: The Ohio State University College of Veterinary Medicine Focus Forward Weekend

- This 3-day conference included CVM administrators, faculty, staff, students and clients/donors as well as private practitioners, government officials, etc. in an analysis of 5 major future endeavors for the OSU CVM and included brainstorming for and prioritizing of recommended initiatives.
- **Attended training session to be a table facilitator**
- **Facilitated and recorded group discussions at the assembly.**

18) August 2008-August 2009 - The Ohio State University Search Committee for Dean of the College of Veterinary Medicine

- Represented the Veterinary Teaching Hospital
- Attended 2-hour meetings approximately every 2 weeks
- Reviewed and provided input on creation of job description, position announcements and interview questions
- Reviewed over 40 applicants and nominations for the position

16) November 1, 2012 – June 2013 – Dean’s Task Force on the OSU CVM Alumni Society

- Tasked by the Dean to evaluate the current structure of the alumni society and to put forth recommendations for the future structure of the society.
- Participated in a 45-minute conference call, several 6-hour and 2-hour meetings of the task force to develop a proposal.
- Attended the board meeting of The OSU CVM Alumni Society to field questions and provide input about the new proposal.

17) April 2012 – December 2012 – Graduate Program Task Force

- Tasked by the VCS Department Chair to evaluate the current structure of the OSU CVM graduate program and to provide recommendations for the future structure.
- Attended bimonthly meetings to evaluate residency requirements of each professional specialty at the OSU CVM and other CVMs, to compile, edit and finalize reports, and to create a powerpoint presentation for faculty meetings.

18) The Ohio State University Veterinary Medical Center Communications Course – June 13, 2014

- This day-long course for OSU CVM faculty and staff provided didactic and simulation training in communication skills.

- I attended lectures, met with the actors and helped to facilitate the communication simulation laboratories.
- I participated in a meeting for course debriefing and future course planning

UNIT/DEPARTMENTAL COMMITTEES

1) February 2022-June 2023 – Vice Chair of Faculty Success, Department of Veterinary Clinical Sciences (see “6) Administrative Service” below)

- **Roles within Department:**
 - **Faculty Mentoring**
 - **Faculty Reappointment, Promotion and Tenure – goal is to streamline and ensure proper processes are followed**
 - **Faculty Sustainability**
 - **Faculty Searches**

2) June 2013-March 2022 - Faculty Mentoring Subcommittee – Chair

- Responsible for conducting 1-hour onboarding meetings with all new faculty to discuss the annual review, mentoring committee and onboarding processes and seek their input on potential mentors. Provide new faculty with useful links to websites for annual review materials.
- Responsible for researching, scheduling and coordinating monthly Faculty Development Seminars (June 2013-June 2016)
- Conducted exit interviews with faculty (2013).
- Provide input to the Department Chair regarding composition of Mentoring Committees for new faculty.
- Initiate contact with faculty members to recruit mentors
- Communicate with faculty and Department Chair to construct Mentoring Committees
- Construct 5-10 mentoring committees per year
- Maintain and distribute a master spreadsheet of faculty by rank and track and mentoring committee involvement to Department Chair.
- **February 9, 2021:**
- I was invited by the Vice Provost for Faculty Affairs, Helen Malone to help lead the “Cultivating and Diversifying Your Talent” workshop for new Department Chairs across The Ohio State University.
- Program description: “In this two-hour workshop, university leaders and top experts will discuss retention and mentorship strategies as a mechanism for cultivating and diversifying talent within the department.”
- This 2-hour virtual workshop hosted 18 new Department Chairs.
- **Other hosts:**

- Dr. Philip Binkley – Director, College of Medicine Center for Faculty Advancement, Mentoring and Engagement (FAME)
- Tom Gregoire – Dean College of Social Work
- Wendy Smooth – Associate Dean for Diversity, Equity and Inclusion
- Z (Lena) Tenney – Diversity, Equity and Inclusion Officer
- I was identified by my leadership as one who has a career-long investment and expertise in mentoring
- I participated in a planning meeting of the hosts and Dr. Malone in December 2020
- I shared with the Chairs the current mentoring processes of Department of Veterinary Clinical Sciences and my perspective on what was working well and what could be improved.

2) August 2013 – 2016 – Veterinary Medical Center Marketing and Development Committee Member

- Attended monthly 1-hour meetings to provide input on marketing strategies and website design and updates.

3) February 2013 – August 2014 - Member of Visiting Scholar Task Force

- Tasked with evaluating the policies and procedures for hosting national and international visiting scholars at The OSU VMC.
- Evaluated current procedures of The OSU VMC and compared to policies at 8 other veterinary colleges.
- Drafted new policies and procedures and determined an appropriate application fee.
- Reviewed and approved online application processes.

4) March 2006-February 2011 – The Department of Veterinary Clinical Sciences Annual Review/Promotion and Tenure Committee Member

- Reviewed dossiers, abstracted assigned candidates' dossiers, coached candidates on dossier improvement, and created presentations for annual Eligible Faculty Meeting and Reappointment, Promotion and Tenure Votes.
- Reviewed and provided input on Promotion and Tenure guidelines (APT)

5) 2008-present - Faculty Mentoring Committees

- For each faculty member, provide counsel in dossier preparation and career development, and promotion during 1-3 meetings per year as well as telephone and email communication.
- Review annual review materials
- Attend annual review meeting with Department Chair when requested
- Provide peer evaluation of teaching upon request
- **Audrey Wanstrath – January 2021 – present, Chair**

- **Jaylyn Rhinehart – 2018 – present, Committee Member**
- **Sandra Diaz 2015-present, Committee Chair**
- **Stephen Horvath – June 2020 – 2022, Committee Member**
- **Community Practice Faculty, Committee Chair, July 2017-June 2020**
 - Organized a group committee for 6 faculty converted to a regular Clinical Track faculty position.
 - Held 1-2 group mentoring committee meetings per year in 2018-2019
 - Constructed individual mentoring committees for each faculty member in 2020
- **Laurie Cook September 2015-2020 (Past Chair, Current Committee Member)**
- **Katherine Ham 2011-2018, Committee Member**
- **Turi Aarnes 2010-2018, Committee Chair**
- **Stacy Soulsby 2013 – December 2014, Committee Chair**
- **Laurie Gallatin 2008-2011, Committee Member**
- **Luci Dimick 2009-2011, Committee Chair**
- **Aimee Kidder 2008, Committee Member**

6) October 2015 – November 2017 – Chair, Ophthalmology Faculty Search Committee

- Revised position announcement and wrote request for new faculty position.
- Had position announcement posted on the ACVO website and listserve.
- Submitted names for potential committee members
- Organized committee, attended training for faculty searches and diversity
- Interviewed one candidate in 2016 and three candidates in 2017
- Candidate accepted position in late 2017.

7) March 2007-present: Ophthalmology Service Head

a) Member of the Veterinary Medical Center Board of Service Heads (Feb. 2016-present)

- Attend monthly meetings and relay pertinent information back to the ophthalmology service
- Provide input to the VMC Hospital Director and the Executive Associate Dean/Executive Director and Chief Medical Officer of the Veterinary Medical System regarding administrative documents and decisions

b) Member of the Departmental Steering Committee (2007-2015)

- Attended monthly (semi-monthly prior to August 2008) meetings and relayed pertinent information back to the ophthalmology service
- Provided input to Department Chair regarding administrative documents and decisions

c) Member of the Hospital Steering Committee (2007-2014)

- Attended monthly (semi-monthly prior to August 2008) meetings and relayed pertinent information back to the ophthalmology service
- Reviewed monthly financial and hospital committee reports.
- Attended quarterly **Small Animal and Large Animal Practitioner Advancement Board Meetings**

d) Service-specific Administrative Activities:

- **Ensure timely completion of medical records by the ophthalmology service; send emails to service members with incomplete medical records.**
- **Order scrubs, labcoats and jackets for new faculty and residents**
- **Conduct bi-monthly meetings of the ophthalmology service**
 - Submit a call for agenda items, distribute agenda and distribute minutes with action items after each meeting.
- **Oversee ophthalmology development and earnings accounts**
- **Annually review the Ophthalmology section's Fee Schedule** to determine any needed adjustments in fees and any elimination or addition of procedure codes.
- **Manage service's appointment schedules and make adjustments as needed**
- **Manage and coordinate annual evaluations of ophthalmology technicians**
- **Oversee equipment purchase, maintenance and replacement issues**
 - Write proposals to the VMC Finance and Equipment Committee for necessary equipment replacement
 - Investigate new equipment, acquire price quotes and instigate internal funding requests for purchases
 - Awarded **\$3500** in funding by the OSU CVM Alumni Association and approximately **\$3000** in funding from the VTH/Trueman Equipment funds in 2010 for installation of an HD camera and monitor in the

Ophthalmology surgery suite to improve visualization of surgical procedures and the educational experience of students, interns, residents and visiting scholars.

- **Oversee/approve leave** for ophthalmology faculty, residents and technicians and verify employment for monthly salary disbursement.
- **Selection of Residents:** Work with ophthalmology team to review 30-50 residency applications, conduct interviews and select new residents. Annually update residency position description on the CVM and ACVO websites. Update residents' responsibilities document.
- **Coordinate residents' semi-annual evaluations**
 - Contact faculty and residents to schedule evaluations twice annually and book rooms. Meet with faculty to discuss performance and draft evaluation letters. Submit final drafts of letters to resident and VCS.
- **Oversee Visiting Scholar Program.**
 - Review applications, ensure feasible scheduling, approve visits and complete necessary paperwork
- **Greet and orient new faculty members to the Ophthalmology service**
- **Annually update service information in Intern Survival Guide and Quick Reference**
- **Annually submit table of Ophthalmology service faculty Clinical Effort to VCS Department Chair**
- **Hold meetings as needed regarding interpersonal conflicts within the section**
- **Annually register faculty and coordinate the ACVO Service Dog Examination Program**
- **Annually coordinate selection of the Ophthalmology Excellence Awards for two senior students and submit names**
- **Annually present the Ophthalmology Excellence Awards at the CVM Honors and Awards Ceremony**
- **Update the Ophthalmology webpage on the College website**

- **2015-2016** – Worked with HR to organize several service retreats focused on improving communication and working relationships
- **2015-2017 - VMC Enhancement & Expansion**
 - Oversaw preparation for service move by determining equipment, paperwork, etc to discard/surplus.
 - Determined list of needs for storage supplies and chart management and created online list and erequests for needed supplies.
 - Determined punch list of facilities needs during and after the move to the new space.

OFFICES HELD/SERVICE TO PROFESSIONAL SOCIETIES

1) Board of Regents, American College of Veterinary Ophthalmologists. Elected September 2018. Term: Fall 2018-Fall 2023. President 2022-2023. Vice President 2021-2022.

- The Board of Regents is the five-member governing body of the ACVO. Each Regent holds a term of five years and progresses from Junior Regent to Regent to Senior Regent then is elected to Vice-President, then President of the ACVO.
 - Additionally, there is a Secretary-Treasurer and a representative of the American Board of Veterinary Specialists.
 - Pre-COVID-19 Regents held full-day meetings in person twice yearly in the Spring at a designated location and in the Fall at the Annual ACVO Conference. The COVID-19 pandemic has required a significantly increased number of meetings and a change to a virtual format (Zoom).
 - Regents conduct the ACVO Business Meeting of the membership each year at the Annual ACVO Conference.
 - Regents also engage on a daily to weekly basis via email and conference calls in planning of the ACVO Conference and decision-making on strategic planning, budgeting, policy, membership status, fiscal matters and programming for the College.
- **October 2022-September 2023 – Elected President of the ACVO.**
 - **October 2021 – October 2022 – Elected Vice-President of the ACVO.**
 - **January 2021 – December 2021 – Senior Regent and member of ACVO Planning Committee for ACVO 52nd Annual Scientific Meeting**

2021:

January 2021 – Extensive email correspondence and 5-hour meeting on Saturday January 23 to resolve numerous issues within the College.

February 2021 - Extensive email correspondence, letter-writing and several 1-3-hour meetings to resolve numerous issues within the College.

Friday March 19 and Saturday March 20 – Participated in two 4-hour Board of Regents Virtual Spring Meetings.

- **November 2019 – December 2020 – Regent and Chair of the ACVO Planning Committee for ACVO 51st Annual Scientific Meeting, planned to be held in Boston, 2020. Due to COVID-19 pandemic, meeting had to be reinvented to a 100% virtual format (estimated average time commitment of 8-10 hours/week—mostly evenings and weekends)**

2020:

- Continued contact via email and telephone with the instructors for the **Sunday Master’s-level course** for planning the course until course was canceled.
- Conducted numerous communications via email and phone calls to plan the content and logistics of the course.
- Relayed information back to the ACVO Office staff and the other Regents.
- In late **March 2020**, it became apparent that it would be necessary to begin planning of a virtual event and to beginning investigation and negotiation out of the hotel contract for the conference.
- **March-April 2020** – Due to COVID-19 pandemic, the in-person 3-week long Basic Science Course for residents had to be converted to a 100% virtual format, budgeting and scheduling had to altered and approved and messaging to the ACVO Mentors and Residents developed and approved. The BOR worked extensively with the Basic Science Committee via Zoom meetings and email correspondence to develop a plan to facilitate offering the course virtually in 2020 and in-person in 2021.
- **March-July 2020** Approximately 6-8 hours per week of work (mostly nights and weekends) required in reading hotel contracts and correspondence with the ACVO Office and Executive Director, reviewing proposals for online format and vendor halls and otherwise planning for both in-person and virtual conference.
- **May 2020** - Worked on Bylaws changes to permit electronic voting and a lower percentage of voting members to constitute a quorum.
- **June-August 2020** – George Floyd incident drove a movement within the ACVO membership to address racial injustice and the ACVO BOR worked for several weeks to create a statement for the ACVO website and to create a Diversity and Inclusion Task Force,

identify a Chair of the committee and approve membership. Extensive email communication and multiple Zoom meetings were required.

- **July 2020** – Received final confirmation that the hotel in Boston would agree to rebooking in 2023 since an in-person conference would not be possible in 2020. Worked with Planning Committee to organize a virtual conference to be held over five half days in an as-live format with on-demand viewing available for CE credit immediately following conclusion of each live session and for the 2 following weeks.
 - **July-August 2020** – Review of more than 100 accepted abstracts for presentations and posters. As Program Chair, I solely determined the grouping/scheduling of talks and posters over 5 days to coordinate subject matter for RACE approval for CE credits. I also identified and invited a speaker for a special topic 1-hour presentation to launch the meeting and corneal wound healing session.
 - **August 2020** – Wrote scripts for each day’s welcome and closing, introduction of each of four special topic speakers, introduction and closure of each of two-three scientific sessions per day. Recorded these over four 2-4 hour sessions with the recording company Sonic Foundry.
 - **September 2020** – Continued planning of Virtual Conference, prepared for Annual Meeting of the Voting Members.
 - **September 23-27, 2020** – Attended virtual conference and introduced, monitored and closed live chat for several sessions. Helped with trouble-shooting technical issues for attendees.
 - **Saturday October 17 and Sunday Oct 18, 2020** – Fall Board of Regents Zoom Meetings, 4 hours each day.
 - **October-December 2020** – Reviewed post-conference survey results and comments. Virtual format and organization was very well received and survey comments were very favorable.
 - **December 1, 2020** – Participated in a 2-hour planning committee meeting for 2021 conference to discuss hybrid format, speakers, etc.
 - **December 2020** – involved in planning for the 2021 Basic Science Course
-
- **October 2018 – October 2019 – Junior Regent and Member of ACVO Planning Committee for ACVO 50th Annual Scientific Meeting in Maui, 2019 (estimated time commitment of 2 hours/week)**

2018:

- Reviewed Minutes of the Fall 2018, Spring 2018 and Fall 2017 Board of Regents Meetings and ACVO Bylaws.
- Participated in two 1.5-2-hour conference calls.
- Involved in input on wording for Bylaws changes and voting on changes.

2019:

- **Attended Fall Board of Regents Meeting at ACVO Conference on November 6, 2019**
 - Reviewed minutes, agenda and supplemental documents in preparation for the 8-hour meeting.
- **Attended Spring Board of Regents Meeting in New York, NY on May 10, 2019**
 - Reviewed minutes, agenda and supplemental documents in preparation for the 9-hour meeting.
- **Member of the Planning Committee of the 2019 ACVO Conference**
 - Contacted and scheduled speakers for the 1-hour In-Depth lecture to launch the scientific sessions.
 - Contacted and scheduled primary speaker for the 3- hour Residents' Workshop
 - Contacted and organized three **Keynote Address** speakers and compiled speakers' biographies for the introduction and moderated the session including presenting the speakers with awards.
 - Constructed a panel of 10 judges for the **ACVO Residents' Manuscript Award**, organized into teams, judged manuscripts with one team, compiled scores from all judges, selected winning manuscript in each category and presented the Residents with their awards at the ACVO meeting.
- **Chair of the Planning Committee of the 2020 ACVO Conference.**
 - Initiated contact and scheduled the instructors for the **Sunday Master's-level course**.
 - Conducted numerous communications via email and phone call to plan the content and logistics of the course.

2) May 2018-February 2019 – Leader and Liaison of the American Board of Veterinary Ophthalmologists (ABVO) to the 2018-2019 Job Task Analysis Committee.

- As a past Chair of the ABVO Examination Committee, I was appointed to the position of Liaison and Committee Leader to oversee and participate in the Job Task Analysis
- A Job Task Analysis is a process of surveying specialists to ensure that the board certification examination reflects the skills and knowledge

required for a minimally competent candidate to become a board-certified ophthalmologist.

- Committee reviewed the 2008 JTA, Examination Blueprint and Content Outline
- Attended a 2-day meeting Sept 13-15, 2018 in Chicago, IL
- Committee worked with a psychometrician to construct and categorize a list of all tasks performed by a board-certified ophthalmologist and used this list to create a survey to be distributed to all ACVO Diplomates to determine frequency with which each task was performed as well as the perceived importance of each task.
- Committee members previewed and provided edits to the survey before distribution.
- As Lead, I wrote an introductory email to send with the survey link.
- December 19, 2018 – 2-hour conference call to review results of JTA survey.
- Jan 14, 2019 – 2-hour conference call to finalize ABVO Examination Blueprint for content.
- February 2019 – Reviewed and edited the final report on the survey and the final new Blueprint before distribution to the ACVO Board of Regents, the ABVO and to the membership of the ACVO.

3) American College of Veterinary Ophthalmologists Examination Committee – 2011-2016

Chair – August 2014 – October 2016

Co-Chair – October 2012 - August 2014

Member – March 2011 – October 2012

Duties of Committee Chair:

- Managed a committee of 11 ophthalmologists and conducted a 2-day committee meeting in the Fall at the ACVO meeting for Examination Construction and a 1-day meeting in the summer at the commencement of the 3-4 day long Practical Examination administration
- Communicated extensively with the examination testing service on protocols, timelines, deadlines and processes and resolution of issues.
- Communicated with the executive staff of the ACVO on administrative and financial matters
- Organized the annual construction of the written, image recognition and practical examinations
- Dealt with budgeting, catering, room scheduling, equipment rental and hotel and dinner reservations for committee members
- Responsible for scheduling of 35-45 examination candidates annually

- Responsible for Angoff scoring and question-writing assignments for the committee members
- Involved in test question analysis, assimilation of test score data and statistical cut score determination and test result reporting and appeals processes.

4) American College of Veterinary Ophthalmologists Credentials Committee - October 2005-October 2008 (3-year term)

- Appointments to this committee were made by the ACVO Board of Regents for a 3-year term
- Committee duties included approximately 4-6 hours reading preliminary materials prior to the meeting and attendance of an 8-10 hour workshop/meeting annually prior to the ACVO scientific meeting
- Members read and scored 70-100 8-page referenced and documented case reports submitted by ACVO Residents.
- **October 2008 - Acting Chair of Credentials Committee Meeting**
- The Current Chair went on sabbatical and requested that I chair the meeting in his place.
- Due to the number of significant changes to the credentialing process, I reviewed all committee correspondence and documents for the 3 years prior to the meeting
- Wrote an outline of our charges for the meeting
- Met with the ACVO Board of Regents to receive additional charges to the committee
- Lead the 8-hour business meeting of the Committee
- The Committee revised all Diplomate and Resident documents and policies for submission for Credentialing and ability to sit for the ACVO Board Examination
- Drafted a document detailing the activities of the committee and submitted it to the Chair

5) October 2008-November 2013: President of the International Grand Council of Omega Tau Sigma Veterinary Fraternity

- Wrote solicitation letter for 2013-2014 Alumni Dues and Charitable Fund campaign.
- Summer 2013 - Met with Executive Board officers in person and via Skype to discuss plans for Grand Council and my desire to step down as President with a suitable and willing replacement.
- Corresponded with active chapters via email regarding Grand Council meeting (Nov 15-17, 2013)
- Collected applications for travel grants and met with secretary, vice president and historian via Skype to select recipients and determine the amount of the grants.

- Wrote President's Report and Agenda for the 2013 Grand Council Delegates' Meeting and conducted Delegates' Meeting

6) October 2004-present: Treasurer of the International Grand Council of Omega Tau Sigma Veterinary Fraternity

Annual responsibilities include the following:

- Mailing dues notices annually and processing receipts of income
- Compiling a treasurer's report for the annual Grand Council meeting
- Assess the revenue versus expenses generated by the alumni service and dissemination of the annual newsletter.
- Attend annual Grand Council meeting
- Make travel arrangements for Grand Council officers and reimburse expenses
- Paying bills
- Maintaining checking and charitable fund accounts
- Maintaining records of alumni dues and donations
- Managing income tax documentation, submissions
- Distributing and maintaining sales of OTS official certificates
- Work with the executive board of the Grand Council to make decisions on matters involving active chapters and alumni contact and solicitations.

7) 1998-present: Secretary Omega Tau Sigma Gamma Chapter Board of Trustees

- Responsible for taking, typing and distributing minutes for four annual meetings.
- Involved in Nominations Committee activities.
- Involved in determining distribution of funds to maintain the Active Chapter House and contribute to Chapter activities.
- Co-signed loan for chapter house mortgage.
- Member of the House Renovations and Fundraising Committee
- Involved in Executive Committee's revision of the By-laws.

8) May 2008- present – Member Omega Tau Sigma Gamma Alumni Scholarship Committee

- Annually participate in email communication with the OSU CVM Scholarship Committee and Co-Advisor to discuss scholarship protocol, review candidates and select scholarship recipients.

9) 2003-present: Advisor to the Gamma Chapter of the Omega Tau Sigma Veterinary Fraternity

Annual responsibilities include the following:

- Complete Advisor Training every 2 years at the OSU Student Union or online
- Approve officers, budget and organizational goals

- Communicate by email and in person with officers of the fraternity about financial and policy decisions, issues with chapter members
- Attend annual “Meet Your Advisor” event at the fraternity house
- Meet with officers as needed to discuss chapter issues
- Attend annual Officers’ Transition Meetings
- Attend annual Formal Initiation and White Carnation and present chapter awards
- Attend annual Awards Committee meeting to advise members about nominations for national recognition, alumni and member service awards to be given at White Carnation.

10) 2009 to present - Member of the International Equine Ophthalmology Consortium (IEOC)

- The IEOC is a group of clinicians and researchers dedicated to the advancement of the science of equine ophthalmology.
- I participate in online forum discussions on equine clinical cases.
- I attend a focus group sessions of the IEOC at the ACVO meeting
- I attend the annual IEOC meetings when possible

11) April 2011 – 2012 and 2017-present – Member of The Ohio Veterinary Medical Association.

OTHER PROFESSIONAL/PUBLIC SERVICE

3) External Evaluation Letters for Faculty Promotion

- September 2019 – Evaluated dossier and wrote an external evaluator letter for a faculty member going up for promotion at the Kansas State University Department of Veterinary Clinical Sciences.
- September 2017 – Evaluated dossier and wrote an external evaluator letter for a faculty member going up for promotion at the Kansas State University Department of Veterinary Clinical Sciences.
- October 2015 – Evaluated dossier and wrote an external evaluator letter for a faculty member going up for promotion at the University of Minnesota College of Veterinary Medicine.
- December 2013 – Reviewed dossier and promotions package and wrote an external letter of evaluation for a faculty member going up for promotion at Tufts University Cummings School of Veterinary Medicine Department of Clinical Sciences.

4) Editorships and Services as Reviewer of Journals, University Presses or Other Learned Publications

- Invited peer-reviewer for *Peer J* - 2017.
- Invited peer-reviewer for *Equine Veterinary Journal* – 2013-present
- Invited peer-reviewer for *Journal of the American Veterinary Medical Association* - 2006-present
- Invited peer-reviewer for *Journal of Veterinary Clinical Pathology* – 2011-present
- Invited peer-reviewer for *Veterinary Ophthalmology* journal – 2003-present
 - Review 2-6 manuscripts each year.
- Invited peer-reviewer for *The Veterinary Journal* - 2018
- Invited peer-reviewer for *BMC Veterinary Research* – 2017-present
- Invited peer-reviewer for *Veterinary Record* - 2013
- Invited peer-reviewer for *Clinical Ophthalmology* journal – 2007

CLINICAL SERVICE

For all of my clinical service assignments, I committed the following number of weeks per year of full-time clinical effort (≥5 days per week, usually 8-12 hours per day):

- **2001-2007** – 40 weeks of full-time effort.
- **2008-2010** – 36 weeks of full-time effort
- **2011-2021** – 24-29 weeks of full-time effort
- **2022-present** – 28-30 weeks of full-time effort

- Resident teaching responsibilities and case follow-up are year-round.

A) Clinical service in small and large animal medicine at the Ohio State University Veterinary Medical Center.

Duties include the following:

- Attending faculty member that directs the Ophthalmology service in the Veterinary Medical Center and Department of Veterinary Clinical Sciences.
- Care of small and large animal medical and surgical ophthalmology cases.
- Teach and perform ophthalmologic examination on small and large animals.
- Teach and perform diagnostic and therapeutic procedures on small and large animals.
- Provide in-house consultation and ophthalmic examination and procedures on small and large animals for all other sections of the department on a per request basis.
- Provide phone consultation for referring veterinarians
- Relay clinical information to referring veterinarians in written and oral reports.

- Provide educational handouts to referring veterinarians to improve diagnosis and treatment of ophthalmic diseases (**see Curriculum Development**).
- Clinical patient rounds in small animal medicine at the Ohio State University Veterinary Medical Center include once daily rounds (late afternoon to early evenings Monday through Friday and occasionally, 9am rounds Saturday and Sunday) with students, interns and residents on the ophthalmology service in small animal and large animal medicine to assess and discuss the diagnosis, treatment, and prognosis of current cases.
- Grade an online quiz taken at the end of the rotation to assess knowledge and provide feedback to students on questions that were missed. I did this even for rotations for which I am not on clinics for the second week of the rotation until Team Leadership of the rotation was delegated to Dr. Newbold in 2019.
- Student clinical teaching rounds in small animal medicine at the Ohio State University Veterinary Teaching Hospital include large and small animal ophthalmology rounds discussing selected topics and illustrative cases of small and large animal ophthalmology.

B) Clinical resident mentoring

Duties include the following:

- Teaching rounds in ophthalmology two to three times weekly (**see Curriculum Development**)
 - 2x2 slides
 - Histopathology case slides and grand rounds with pathology department
 - Journal manuscript review
 - Morbidity and mortality rounds
 - Special topic rounds
- Coordinate the Residents' Conferences/Rounds
- **Clinical mentoring** includes daily instruction and assistance of the residents in examination, diagnostic and surgical techniques, and development of differential diagnoses and treatment plans.
 - I attempt to examine or watch resident's examination on the monitors for every new case and most re-evaluated cases seen.
 - I train residents how to perform small and large animal extraocular and intraocular surgery including phacoemulsification and endoscopic laser procedures.
 - My approach to resident training is very hands-on with supervision and mentoring provided on >90% of the cases seen.
- Schedule and conduct **biannual resident evaluation** sessions and written evaluations.

- Additional responsibilities include insuring that medical records and client and referring veterinarian communications are completed and appropriate.

C) Veterinary Ophthalmology Training to International Visiting Scholars – 2000 - present

- Participated in training of 28 international visiting scholars from 14 different countries

DEVELOPMENT ACTIVITIES FOR THE COLLEGE OF VETERINARY MEDICINE AND VETERINARY MEDICAL CENTER

- **2011-present** - Participate in the **Grateful Client Program** with Danielle Ford.
 - Write thank you cards to donors as requested
 - Helped to write letter to potential donor clients
 - Relay survey comments and donations to the rest of the Ophthalmology section.
 - **June 13, 2011** – met with Dr. Moore, Karin Zuckerman and Danielle Ford to discuss the program.
 - **June 28, 2011** – participated in an Open House event for Grateful Client donors.
- **Tuesday, April 24, 2018 – Vino with the Vets**
 - Two-hour event where past and potential client donors and select other guests toured the Veterinary Medical Center and the new Ophthalmology treatment and conference rooms. Discussed the positive difference the new renovated space makes for our staff as well as patient care and student learning. Future service needs discussed.
 - Assisted in creating a guest list and preparing service space for the event
- **Saturday, October 21, 2017 – OSU Veterinary Medical Center Open House, Reception and Hospital Tours for VIPs and Donors.**
 - Three-hour event where I showed guests the new Ophthalmology treatment and conference rooms and equipment and discussed the positive difference the new renovated space makes for our staff as well as patient care and student learning.
- **November 2, 2016 – An Evening at the Shoe**
 - Attended this OSU CVM Development event thanking donors for their support of the VMC Expansion and Enhancement fundraising campaign.
- **September 5, 2014 – OSU VMC Groundbreaking Ceremony**
 - Organized attendance by and escorted Dr. Donna Violet (OSU CVM Class of 1981) and her dog-in-training for Canine Companions for Independence. Mingled with alumni and other attendees of the ceremony.

- **November 2, 2012 – Capital Campaign development reception**
 - Engaged with OSU CVM alumni and supporters
- **August 20, 2012** – Attended reception to honor Dr. Milton Wyman and celebrate the first Wyman Endowed Resident, Dr. Eric Miller. Assisted with guest lists and contact information prior to the event.
- **May 17, 2012** – Attended luncheon with Capital Campaign Co-Chairs
- **June 2, 2011** – Attended development dinner at the home of a Capital Campaign Co-Chair

MAJOR ACADEMIC/PROFESSIONAL AWARDS AND COMMENDATIONS

- **The Ohio State University College of Veterinary Medicine Professional Program Teaching Honor Roll.** August 2019.
 - Recognizes those teaching in the professional program who consistently attain high student evaluation of instruction (SEI) data while carrying a teaching load in the Preclinical Core, Preclinical Elective, or Clinical curriculum that is equal to or above average.
- **The Ohio State University College of Veterinary Medicine Excellence in Teaching Award, VME-3 Class of 2020.** May 2019
 - Each veterinary class selects a recipient of this award and the four faculty recipients are nominated for the Zoetis Distinguished Teaching Award.
- 2016 – Featured in “ACVO Member Spotlight” in American College of Veterinary Ophthalmologists Newsletter and website.
 - ACVO Diplomate Spotlight honors active or Emeritus Diplomates in the profession who are leaders in their field, are in good standing with the ACVO and have an interesting story to share.
 - Featured in the “Connect to Veterinary Medicine” digital newsletter and on the OSU CVM website in March 2017.
- 2014 - Achieved 5-year renewal as Professor – Clinical
- 2011 – Promoted to Full Professor – Clinical
- 2009 – Achieved 5-year renewal as Associate Professor – Clinical
- 2005 – Promoted to Associate Professor – Clinical
- 2000 – Diplomate, American College of Veterinary Ophthalmologists