

**JOHN P. LOFTUS, PhD, DVM, DACVIM**  
*Curriculum Vitae*

DEPARTMENT OF CLINICAL SCIENCES, BOX 32 • COLLEGE OF VETERINARY MEDICINE  
CORNELL UNIVERSITY • ITHACA, NEW YORK 14853  
PHONE (607) 253-3060 • Fax (607) 253-3788 • JPL249@CORNELL.EDU  
<https://orcid.org/0000-0001-7181-7155>

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**EDUCATION**

<b>Institution</b>	<b>Degree</b>	<b>Year</b>	<b>Field</b>
University of Massachusetts, Amherst, MA	BS	2004	Animal Science
University of Massachusetts, Amherst, MA	PhD	2008	Veterinary Immunology
Cornell University, Ithaca, NY	DVM	2012	Veterinary Medicine

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**PROFESSIONAL TRAINING and EXPERIENCE**

<b>Veterinary Assistant</b> 2000-2008	Amherst Veterinary Clinic	Amherst, MA
<b>Graduate Research Assistant</b> 2004-2008	University of Massachusetts	Amherst, MA
<b>Student Researcher/Lab Assistant IV</b> 2009-2012	Cornell University	Ithaca, NY
<b>Small Animal Rotating Intern</b> 2012-2013	Cornell University	Ithaca, NY
<b>Resident in Clinical Nutrition</b> 2013-2014	Cornell University	Ithaca, NY
<b>Resident in Small Animal Internal Medicine</b> 2014-2017	Cornell University	Ithaca, NY
<b>Lecturer in Small Animal Internal Medicine</b> 2017-2018	Cornell University	Ithaca, NY
<b>Assistant Professor, Small Animal Internal Medicine</b> 2018-Present	Cornell University	Ithaca, NY
<b>Section Chief, Nutrition</b> 2018-2019	Cornell University	Ithaca, NY
<b>Section Chief, Small Animal Internal Medicine</b> 2021-Present	Cornell University	Ithaca, NY

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**AWARDS and HONORS**

<b>1999</b>	Wilbur H. Ward Scholarship Recipient. University of Massachusetts.
<b>2004</b>	Graduated <i>Cum Laude</i>
<b>2005-2008</b>	Lotta M. Crabtree Graduate Fellowship recipient.
<b>2009 &amp; 2010</b>	Veterinary Investigator Program, Cornell University, summer research.
<b>2012</b>	Abbot Animal Health/VECCS Award for Proficiency in Emergency and Critical Care.
<b>2013-2014</b>	Chief Resident, Companion Animal Sections, Cornell University Hospital for Animals.
<b>2016</b>	Chief Resident, Companion Animal Sections, Cornell University Hospital for Animals.
<b>2017</b>	Diplomate, American College of Veterinary Internal Medicine (SAIM).

## PROFESSIONAL AFFILIATIONS/ACTIVITIES

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### Professional Organization Memberships/Licensure:

- Member, American Association of Veterinary Immunologists
- Member, American Academy of Veterinary Nutrition
- Member, Society for Leukocyte Biology
- Member, Veterinary and Comparative Clinical Immunology Society
- State Licensures: State of NY (012895)

### Invited Reviewer:

- Veterinary Immunology and Immunopathology (29 manuscripts since 2006)
- American Journal of Veterinary Research (6 manuscripts since 2010)
- Journal of Equine Veterinary Science (1 manuscript since 2012)
- The Veterinary Journal (2 manuscripts since 2020)
- British Journal of Dermatology (1 manuscript since 2020)
- Journal of Veterinary Internal Medicine (2 manuscripts since 2020)
- Canadian Veterinary Journal (1 manuscript since 2020)
- Journal of Small Animal Practice (1 manuscript since 2021)
- Nature Aging (1 manuscript since 2021)

### Editor Roles:

- Frontiers in Veterinary Science, Guest Editor, Special Collection: "Beyond Calcium: Vitamin D in Veterinary Disease Pathophysiology"
- Frontiers in Veterinary Science, Guest Associate Editor (1 manuscript since 2021)

### Advisory Roles:

- 2018-Present: Vaika Foundation, Scientific Advisory Board
- 2019-Present: Blue Buffalo, Veterinary Advisory Board
- 2020-Present: Loyal, Veterinary Advisor
- 2021-Present: Universal Biosensors, Veterinary Advisory Panel

### Veterinary Student Leadership Roles:

- 2009-2010 President, Cornell Student Chapter AAHA.
- 2009-2010 President, Cornell Zoo and Wildlife Society.
- 2009-2010 Board of Directors, Southside Healthy Pet Clinic, Cornell University.
- 2011-2012 Senior Class Advisor and Founder, Cornell Student Chapter of the American College of Veterinary Internal Medicine.

## ADDITIONAL PROFESSIONAL TRAINING

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- 1) Participant, Royal Canin Nutritionists Week. Aimargues, France. January 25-29, 2015.
- 2) Participant, Minimally-invasive Scoping Course, University of Tennessee, College of Veterinary Medicine, Knoxville, TN. March 14-19, 2016.

## REFEREED PUBLICATIONS

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- 1) **Loftus JP**, Belknap JK, Black SJ\*. Matrix metalloproteinase-9 in laminae of black walnut extract treated horses correlates with neutrophil abundance. *Vet. Immunol. Immunopathol.* 2006, Oct 15; 113(3-4): 267-76. <https://doi.org/10.1016/j.vetimm.2006.05.010>
- 2) **Loftus JP**, Belknap JK, Stankiewicz KM, Black SJ\*. Laminar xanthine oxidase, superoxide dismutase and catalase activities in the prodromal stage of black walnut-induced equine laminitis. *Equine Vet. J.* 2007, Jan; 39(1): 48-53. <https://doi.org/10.2746/042516406x151320>
- 3) **Loftus JP**, Black SJ, Pettigrew A, Belknap JK\*. Early laminar events involving endothelial activation

in horses with black walnut-induced laminitis. *Am. J. Vet. Res.* 2007, Nov; 68(11): 1205-11.  
<https://doi.org/10.2460/ajvr.68.11.1205>

- 4) Coyne MJ, Cousin H, **Loftus JP**, Johnson P, Belknap JK, Black SJ, Alfandari D\*. Cloning and expression of ADAM related metalloproteases in equine laminitis. *Vet. Immunol. Immunopathol.* 2009, Jun 15; 129(3-4): 231-41. <https://doi.org/10.1016/j.vetimm.2008.11.022>
- 5) Yin C, Pettigrew A, **Loftus JP**, Black SJ, Belknap JK\*. Tissue concentrations of 4-HNE in the black walnut extract model of laminitis: Indication of oxidant stress in affected laminae. *Vet Immunol. Immunopathol.* 2009, Jun 15; 129(3-4): 211-5. <https://doi.org/10.1016/j.vetimm.2008.11.016>
- 6) **Loftus JP**, Johnson P, Belknap JK, Pettigrew A, Black SJ\*. Leukocyte-derived and endogenous matrix metalloproteinases in the digital lamellae of horses with naturally-acquired and experimentally-induced laminitis. *Vet. Immunol. Immunopathol.* 2009, Jun 15; 129(3-4): 221-30.  
<https://doi.org/10.1016/j.vetimm.2008.11.003>
- 7) Boyd P, Hudgens E, **Loftus JP**, Tompkins D, Wysocki M, LaBresh J, Baldwin CL, Lunney JK\*. Expressed gene sequence and bioactivity of the IFN $\gamma$ -response chemokine CXCL11 of swine and bovine. *Vet. Immunol. Immunopathol.* 2010, July; 136(1-2): 170-175.  
<https://doi.org/10.1016/j.vetimm.2010.02.011>
- 8) Williams JM, Lin YJ, **Loftus JP**, Faleiros RR, Peroni JF, Hubbell JAE, Ravis WR, Belknap JK\*. Effect of intravenous lidocaine administration on laminar inflammation in the black walnut extract of laminitis. *Equine Vet. J.* 2010, April; 42(3): 261-269. <https://doi.org/10.2746/042516409x475760>
- 9) Douglas DB, Beiting DP, **Loftus JP**, Appleton JA, Bliss SK\*. Combinatorial effects of IL-10 and IL-4 determine the progression of hepatic inflammation following enteric parasitic infection. *Hepatology.* 2010, June; 51(6): 2162-2171. <https://doi.org/10.1002/hep.23576>
- 10) **Loftus JP\***, Williams JM, Belknap JK, Black SJ. In vivo priming and ex vivo activation of equine neutrophils in BWE-induced equine laminitis is not attenuated by systemic lidocaine administration. *Vet. Immunol. Immunopathol.* 2010, Nov 15; 138(1-2): 60-69.  
<https://doi.org/10.1016/j.vetimm.2010.06.016>
- 11) **Loftus JP**, Morgan SK, Wakshlag JJ\*. Cloning and antibody recognition analysis of the canine 5-lipoxygenase gene. *Vet. Immunol. Immunopathol.* 2011, Aug 15; 142(3-4): 276-279.  
<https://doi.org/10.1016/j.vetimm.2011.05.006>
- 12) Wakshlag JJ\*, Peters-Kennedy J, Bushey JJ, **Loftus JP**. 5-Lipoxygenase expression and tepoxalin mediated cell death in feline squamous cell carcinoma. *Am. J. Vet. Res.* 2011, Oct; 72(10): 1369-77.  
<https://doi.org/10.2460/ajvr.72.10.1369>
- 13) **Loftus JP**, Yazwinski M, Milizio J, Wakshlag JJ\*. Energy requirements for racing endurance sled dogs. *J. Nutr. Sci.* 2014, Sep 30;3:e34. <https://doi.org/10.1017/jns.2014.31>
- 14) Rosenblatt AJ\*, Scrivani PV, Caserto BG, Ruby RE, **Loftus JP**, de Lahunta A, Noden DM. Imaging Diagnosis – Meningoencephalitis secondary to suppurative rhinitis and meningoencephalocoele infection in a dog. *Vet. Radiol. Ultrasound.* 2014, Nov-Dec;55(6):614-9.  
<https://doi.org/10.1111/vru.12105>
- 15) Helmerick EC, **Loftus JP**, Wakshlag JJ\*. Effects of baicalein on canine osteosarcoma cell proliferation and death. *Vet. Comp. Oncol.* 2014, Dec;12(4):299-309. <https://doi.org/10.1111/vco.12013>
- 16) **Loftus JP** and Wakshlag JJ\*. Canine and Feline Obesity: A review of pathophysiology, epidemiology and clinical management. *Veterinary Medicine: Research and Reports.* 2015, 6: 49-60.  
<https://doi.org/10.2147/vmrr.s40868>
- 17) von Pfeil DJF\*, Cummings BP, **Loftus JP**, Levine CB, Mann S, Downey RL, Griffiths C, Wakshlag JJ. Evaluation of plasma inflammatory cytokine concentrations in racing sled dogs. *Can. Vet. J.* 2015 Dec;56(12):1252-6. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc4668826/>
- 18) **Loftus JP**, Cavatorta D, Bushey JJ, Levine CB, Sevier CS, Wakshlag JJ\*. The 5-lipoxygenase inhibitor tepoxalin induces oxidative damage and altered PTEN status prior to apoptosis in canine osteosarcoma

cell lines. *Vet. Comp. Oncol.* 2016 Jun;14(2):e17-30. <https://doi.org/10.1111/vco.12094>

- 19) Loftus JP, Center SA\*, Lucy JM, et al. Characterization of aminoaciduria and hypoaminoacidemia in dogs with hepatocutaneous syndrome. *Am. J. Vet. Res.* 2017. Jun;78(6):735-744. <https://doi.org/10.2460/ajvr.78.6.735>
- 20) Kim H, Loftus JP, Gagne JW, Rutzke MA, Glahn RP, Wakshlag JJ\*. Evaluation of selected ultra-trace minerals in commercially available dry dog foods. *Veterinary Medicine: Research and Reports.* 2018 9: 43-51. <https://doi.org/10.2147/vmrr.s165890>
- 21) Kim H, Loftus JP, Mann S, Wakshlag JJ\*. Evaluation of arsenic, cadmium, lead and mercury contamination in over-the-counter available dry dog foods with different animal ingredients (red meat, poultry and fish). *Front. Vet. Sci.* 2018 Oct 25;5:264. <https://doi.org/10.3389/fvets.2018.00264>
- 22) Loftus JP, DeRosa S<sup>††</sup>, Struble AM, Randolph JR, Wakshlag JJ\*. One year study evaluating efficacy of an iodine restricted diet for the treatment of moderate-to-severe hyperthyroidism in cats. *Veterinary Medicine: Research and Reports.* 2019; 10: 9-16. <https://doi.org/10.2147/vmrr.s189709>
- 23) Mick PJ<sup>†</sup>, Peng SA, Loftus JP\*. Serum vitamin D metabolites and CXCL10 concentrations associate with survival in dogs with immune mediated disease. *Front. Vet. Sci.* 2019 Jul 30;6:247. <https://doi.org/10.3389/fvets.2019.00247>
- 24) Hayes G\*, Devereaux S, Loftus JP, Jager MC, Duhamel GE, Stokol T. Common bile duct obstruction palliated with common bile duct re-implantation (choledochoduodenostomy) in a cat. *Can Vet J.* 2019 Oct;60(10):1089-1093. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6741818/>
- 25) Johnson PJ\*, Luh WM, Rivard B, Graham K, White A, Fitz-Maurice M, Loftus JP, Barry EF. Stereotactic cortical atlas of the domestic canine brain. *Scientific Reports.* 2020 Mar 16; 10(1):4781. <https://doi.org/10.1038/s41598-020-61665-0>
- 26) Johnson PJ, Miller A, Cheetham J, Demeter EA, Luh W, Loftus JP, Stephan S, Dewey C, Barry EF. In-vivo detection of microstructural spinal cord lesions in canine degenerative myelopathy using diffusion tensor imaging. *J. Vet. Intern. Med.* 2020 Dec 22. <https://doi.org/10.1111/jvim.16014>
- 27) Goggs R\*, Brainard BM, LeVine D, Calabro J, Harrel K, Mills T, Stone R, Davidson B, Iacovetta C, Harris L, Gicking J, Alsanian M, Ziegler A, Fulcher B, Lightfoot T, Miller M, Loftus J, Walton, R, Blong A, Kishbaugh J, Hale A. Lyophilized platelets versus cryopreserved platelets for management of thrombocytopenia associated bleeding in dogs: A multicenter randomized clinical trial. *J. Vet. Intern. Med.* 2020 Nov;34(6):2384-2397. <https://doi.org/10.1111/jvim.15922>
- 28) Barry EF, Loftus JP, Luh W, de Leon MJ, Niogi SN, Johnson PJ\*. Diffusion MRI changes in the healthy aging canine brain. *Neurobiology of Aging.* 2021 May 2;105:129-136. <https://doi.org/10.1016/j.neurobiolaging.2021.04.021>
- 29) Fleyshman DI, Wakshlag JJ, Huson HJ, Loftus JP, Olby NJ, Brodsky L, Gudkov AV\*, Andrianova EL\*. Development of infrastructure for systemic multidisciplinary study of aging in "retired" sled dogs. *Aging.* 2021 Sep 28;13(18):21814-21837. <https://doi.org/10.18632/aging.203600>
- 30) Loftus JP\*, Center SA, Astor M<sup>††</sup>, Miller AJ<sup>†</sup>, Peters-Kennedy J. Clinical features and amino acid profiles of dogs with hepatocutaneous syndrome or hepatocutaneous-associated hepatopathy. *J. Vet. Intern. Med.* First published 2021 Sep 2 online. 2022 Jan/Feb; 36(1): 97-105. <https://doi.org/10.1111/jvim.16259>
- 31) Loftus JP\*, Miller AJ<sup>†</sup>, Center SA, Peters-Kennedy J, Astor M<sup>††</sup>. Treatment and outcomes of dogs with hepatocutaneous syndrome or hepatocutaneous-associated hepatopathy. *J. Vet. Intern. Med.* First published 2021 Nov 25 online. 2022 Jan/Feb; 36(1): 106-115. <https://doi.org/10.1111/jvim.16323>
- 32) Loftus JP\*. Canine and Feline Obesity: Managing Weight Loss. *Clinician's Brief.* In Press.
- 33) Hernandez I, Hayward JJ, Brockman JA, White ME, Mouttham L, Wilcox EA, Garrison S, Castelhana MG, Loftus JP, Gomes FG, Balkman C, Brooks MB, Fiani N, Forman M, Kern T, Kornreich B, Ledbetter E, Peralta S, Struble AM, Caligiuri L, Corey E, Lin L, Jordan J, Sack D, Boyko AR, Lyons LA, Todhunter RJ. Complex feline disease mapping using a dense genotyping array. *Front. Vet. Sci.* In Press.

- 34) Lenfest M<sup>†</sup>, **Loftus JP**, Huson HJ, Gudkov A, Andrianova E, Fleishman D, Wakshlag JJ\*. Assessment of sex, age and metabolism relationships to serum thyroid concentrations in retired Alaskan Husky sled dogs. *Front. Vet. Sci.* Under Review.

\*Corresponding author, <sup>†</sup>Resident Trainee, <sup>††</sup>Veterinary Student

## NON-REFEREED PUBLICATIONS

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- 1) Pursuing the Cause of Border Collie Collapse. *Cornell University College of Veterinary Medicine Dog Watch*. 21(4) April 2017. [**JP Loftus** – consultant]
- 2) Time to Put Fluffy and Fido on a Diet? *The New York Times*. Jane E. Brody. February 4<sup>th</sup> 2019. [**JP Loftus** – consultant]

## BOOK CHAPTERS

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- 1) Black SJ, Wang L, Pawlak E, **Loftus JP**, Alfandari D. 2017. Role of Proteases in Laminitis. In *Equine Laminitis*. Ed. James K. Belknap JK, Raymond J. Geor, Chapter 15, pp 115-133. WILEY Blackwell.
- 2) **Loftus JP** & Peterson M. Treatment of hyperthyroidism: diet. 2019 In *Handbook of Feline Endocrinology*. Ed. Edward Feldman, Federico Fracassi, Mark Peterson, Chapter 17, pp 255-264. Edra.
- 3) Center SA & **Loftus JP**. Hepatocutaneous Syndrome. 2021. In *Blackwell's Five-Minute Consult: Canine and Feline*. Ed. Larry P. Tilley, Francis W. K. Smith, Jr., Meg M. Sleeper, Benjamin M. Brainard. WILEY Blackwell.

## RESEARCH ABSTRACTS & PRESENTATIONS

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### National/International

- 1) Stankiewicz KM, **Loftus JP**, Belknap JK, Black SJ. Laminar xanthine oxidase activity is not increased in the development stage of the black walnut extract model of equine laminitis. *ACVS Veterinary Symposium*. Denver, CO. October 2004. Poster.
- 2) **Loftus JP**, Lunn DP, Belknap JK, Black SJ. Equine neutrophil activation and expression of cell surface differentiation antigens. *23<sup>rd</sup> ACVIM Forum*. Baltimore, MD. June 2005. Poster.
- 3) **Loftus JP**, Belknap JK, Black SJ. Neutrophil recruitment and pathophysiology in the equine digital lamina. *86<sup>th</sup> Conference for Research Workers in Animal Diseases*. St. Louis, MO. December 2005. Oral Presentation prepared, Presentation by SJ Black.
- 4) **Loftus JP**, Johnson PJ, Belknap JK, Black SJ. Comparative cellular and biochemical analyses of digital lamellae from horses with black walnut extract and carbohydrate overload induced laminitis. *87<sup>th</sup> Conference for Research Workers in Animal Diseases*. Chicago, IL. December 2006. Oral Presentation.
- 5) **Loftus JP**, Johnson PJ, Yin C, Belknap JK, Black SJ. Matrix metalloproteinases and structural tissue damage in equine laminitis. *26<sup>th</sup> Annual ACVIM Forum*. San Antonio, TX. June 2008. Poster.
- 6) **Loftus JP**, Williams J, Belknap JK, Black SJ. Effect of lidocaine on neutrophil activation during BWE-induced laminitis. *14<sup>th</sup> International Veterinary Emergency & Critical Care Symposium*. Phoenix AZ. 2008. Poster.
- 7) **Loftus JP**, Bliss SP, Wakshlag JJ. Cell signaling pathways in bone homeostasis and pathology. *Merck-Merial NIH Veterinary Scholars Symposium*. Raleigh, NC. August 2009. Poster.
- 8) Helmerick EC, **Loftus JP**, Wakshlag JJ. The effects of the flavone, baicalein, on canine osteosarcoma cell proliferation and death. *AAVN Clinical Nutrition and Research Symposium*. Denver, CO. June 2011. Poster.

- 9) **Loftus JP**, Yazwinski M, Wakshlag JJ. Energy requirements for racing endurance sled dogs. *Waltham International Nutritional Sciences Symposium*. Portland, OR. 2013. Poster.
- 10) **Loftus JP**, Struble A, Randolph JF, Wakshlag JJ. Efficacy of a commercial therapeutic iodine restricted diet in the management of moderate to severely hyperthyroid cats. *15<sup>th</sup> Annual AAVN Clinical Nutrition and Research Symposium*. Indianapolis, IN. June 2015. Poster.
- 11) Mick PJ<sup>†</sup>, Peng SA, Wakshlag JJ, **Loftus JP\***. Vitamin D metabolites and serum CXCL10 in dogs with immune mediated disease. *ACVIM Forum*. Pheonix, AZ. June 2019. Poster
- 12) Miller AJ<sup>†</sup>, **Loftus JP**, Macho LP<sup>†</sup>, Center SA. Metabolomic investigation of plasma samples from dogs with hepatocutaneous syndrome. *ACVIM Forum*. Pheonix, AZ. June 2019. Poster
- 13) Diaz-Rubio ME, Miller AJ<sup>†</sup>, **Loftus JP**, Macho LP<sup>†</sup>, Center SA, Zhang S. Investigating canine hepatocutaneous syndrome through an untargeted metabolomic approach. *Metabolomics*. The Hague, Netherlands. June 2019. Poster
- 14) Goggs R, Brainard BM, Calabro J, Harrel K, Bergman P, Mills T, LeVine D, Stone R, Davidson B, Iacovetta C, Harris L, Gicking J, Fulcher B, Lightfoot T, Miller M, **Loftus J**, Kishbaugh J, Hale A. Cryopreserved platelets versus lyophilized platelets for management of thrombocytopenia associated bleeding in dogs. *ACVIM Forum*. Online. June 2020.
- 15) Holm SM<sup>†</sup>, Peng SA, Holter MM<sup>††</sup>, Cummings BP, **Loftus JP\***. Plasma Glucagon-Like Peptide-1 Concentrations in Dogs with Aminoaciduric Canine Hypoaminoacidemic Hepatopathy Syndrome: A Pilot Study. *ACVIM Forum*. Oral Presentation. Accepted 2022
- 16) Simpson KS\*, Miller ML, **Loftus JP**, Rishniw M, Frederick CE, Wakshlag JJ. Placebo Controlled Trial of Hydrolyzed Fish Diets in Dogs With Chronic Enteropathy. *ACVIM Forum*. Oral Presentation. Accepted 2022

\*Lead author, <sup>†</sup>Resident Trainee, <sup>††</sup>Veterinary Student

#### **Regional/State/Local**

- 1) **Loftus JP**, Belknap JK, Johnson PJ, Zou B, Black SJ. Changes in matrix metalloproteinase expression in equine laminitis: A potential model for aberrant tissue remodeling. *Umass Conference on Cellular Engineering*. Amherst, NY. 2006 Poster.
- 2) **Loftus JP**, Wakshlag JJ. 5-Lipoxygenase inhibitor tepoxalin induces apoptosis in canine osteosarcoma cells. *Investigator Day, Cornell University*. Ithaca, NY. 2013. Oral Presentation.

<sup>†</sup>Resident Trainee

### **PRESENTATIONS – SCIENTIFIC MEETINGS**

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#### **National/International**

- 1) **John P. Loftus**. Review of Immunomodulatory Drugs: Reviewing the Evidence and Putting Them into Practice. *Veterinary Clinical and Comparative Immunology Society*. Online. Jan 28<sup>th</sup> 2022.
- 2) **John P. Loftus**. Hepatocutaneous Syndrome: Historical Perspectives and Recent Advances. *ACVIM Forum*. Austin, TX. 2022. Session accepted.
- 3) **John P. Loftus**. Identifying and Treating Canine Parasites. *ACVIM Forum*. Austin, TX. 2022. Session accepted.

#### **Regional/State/Local**

- 4) **John P. Loftus**. Targeting the Retrobiome During Aging in Sled Dogs. *Baker Institute Seminar Series*. Ithaca, NY. April 30<sup>th</sup>, 2019.
- 5) **John P. Loftus**. Metabolomic Investigation of Canine Hepatocutaneous Syndrome. *Metabolomics Seminar*. Institute of Biotechnology, Ithaca, NY. May 2<sup>nd</sup>, 2019.

## CONTINUING EDUCATION LECTURES and LABORATORIES

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### National/International

- 1) Nutritional Management of the Geriatric Dog or Cat. (2hr) *Osteoarthritis Short Course*. Companion Animal Health. Tucson, AZ. January 20<sup>th</sup>, 2018.
- 2) Nutritional Management of the Geriatric Dog or Cat & Obesity. (2hr) *Osteoarthritis Short Course*. Companion Animal Health. San Diego, CA. September 14<sup>th</sup>, 2019.
- 3) Cannabinoids and Inflammatory Disease: A focus On Skin And The Immune System! (1 hr) *Clinician's Brief*. Webinar. February 11<sup>th</sup>, 2021.

### Regional/State/Local

- 1) Dietary Management of Feline Endocrine Disease. (1 hr) *27<sup>th</sup> Annual Fred Scott Feline Symposium*. Cornell University. Ithaca, NY. July 26<sup>th</sup>, 2015.
- 2) Proteinuria: Pathophysiology, Diagnostic Approach and Treatment. (1 hr) *Finger Lakes Veterinary Medical Association*. Geneva, NY. September 20<sup>th</sup>, 2017.
- 3) Food for Thought: Nutritional Management of Hepatobiliary Diseases. (2 hr) *NY State Veterinary Conference*. Cornell University. Ithaca, NY. October 8<sup>th</sup>, 2017. Co-presented with Sharon A. Center.
- 4) Proteinuria: Pathophysiology, Diagnostic Approach and Treatment. (1.5 hr) *Central New York Veterinary Medical Association*. Syracuse, NY. June 19<sup>th</sup>, 2018.
- 5) Nutritional Management of the Geriatric Dog or Cat. (1.5 hr) *Central New York Veterinary Medical Association*. Syracuse, NY. June 19<sup>th</sup>, 2018.
- 6) Feline Gastrointestinal Endoscopy. (1 hr) *30<sup>th</sup> Annual Fred Scott Feline Symposium*. Cornell University. Ithaca, NY. July 29<sup>th</sup>, 2018.
- 7) Panel on the Pearls: Feline Diabetes Diagnosis, Treatment, Prevention and Communication. (2 hr) *NY State Veterinary Conference*. Ithaca, NY. October 6<sup>th</sup>, 2018. Presented with Drs. Patrick Carney, Meredith Miller, Daniel Fletcher, and Bruce Kornreich.
- 8) Proteinuria: Pathophysiology, Diagnostic Approach and Treatment. (1 hr) *NY State Veterinary Conference*. Ithaca, NY. October 6<sup>th</sup>, 2018.
- 9) Nutrition for the Geriatric Pet. (1 hr) *NY State Veterinary Conference*. Ithaca, NY. October 6<sup>th</sup>, 2018.
- 10) Managing Obesity in Cats and Dogs. (1 hr) *Blue Buffalo Continuing Education Event*. New York, NY. October 10<sup>th</sup>, 2018.
- 11) Hepatocutaneous Syndrome: A disease that is more than skin deep. (1 hr) *Animal Medical Center, Intern Rounds*. New York, NY. November 8<sup>th</sup>, 2018.
- 12) Proteinuria: Pathophysiology, Diagnostic Approach and Treatment. (1 hr) *NY City Veterinary Medical Association*. New York, NY. November 8<sup>th</sup>, 2018.
- 13) Hepatocutaneous Syndrome: A disease that is more than skin deep. (1 hr) *NY City Veterinary Medical Association*. New York, NY. November 8<sup>th</sup>, 2018.
- 14) Proteinuria: Pathophysiology, Diagnostic Approach and Treatment. (1 hr) *Southern Tier Veterinary Medical Association*. Ithaca, NY. February 12<sup>th</sup>, 2020.

### PRESENTATIONS – LAY AUDIENCE

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- 1) Bone Appétit: Is your pet's nutrition the key to health, wellness, and longevity? *Cornell University Alumni Affairs and Development*. Ithaca, NY. Online Webinar. January 2021.

### PPOSTERS – LAY AUDIENCE

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- 1) Jean-Baptiste K, Dr. Huson H, Fleyshman D, Andrianova K, Gudkov A, Wakshlag J, **Loftus J.** Vaika  
John Loftus

Sled Dog Project on Aging and Longevity in Alaskan Sled Dogs: Testing Physical Condition with Weight Pull Trials. *Michigan Sled Dog Expo.* June 2021.

- 2) Haller L, Fleyshman D, Andrianova A, Gudkov A, Wakshlag J, **Loftus J**, Huson HJ. Vaika Sled Dog Project on Aging and Longevity in Alaskan Sled Dogs: Daily Life of our Sled Dogs. *Michigan Sled Dog Expo.* June 2021.
- 3) Sandwick S, Fleyshman D, Andrianova K, Gudkov A, Wakshlag J, **Loftus J**, Huson HJ. Assessment of Hematologic Values in an Aging Sled Dog Colony. *Michigan Sled Dog Expo.* June 2021.
- 4) Zhang E, Daria Fleyshman D, Andrianova K, Gudkov A, Wakshlag J, **Loftus J**, Huson HJ. Vaika Sled Dog Project on Aging and Longevity in Alaskan Sled Dogs; Examining Canine Cognitive Dysfunction through Behavior/Cognitive Tests. *Michigan Sled Dog Expo.* June 2021.
- 5) Salpekar M, Fleyshman D, Andrianova K, Gudkov A, Wakshlag J, **Loftus J**, Huson HJ. Vaika Sled Dog Project on Aging and Longevity on Alaskan Sled Dogs: Testing Physical Condition with Treadmill Exercise. *Michigan Sled Dog Expo.* June 2021.

## PRESENTATIONS – STUDENT ORGANIZATIONS

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1) 2012	Hepatic emergencies	Small animal rounds	Cornell University
2) 2013	Inflammation and IMHA	Small animal rounds	Cornell University
3) 10/14	Insulinoma Rounds	Student ACVIM Club	Cornell University
4) 10/15	Liver Disease in Small Animals	NAVLE Review	Cornell University
5) 10/16	Liver Disease in Small Animals	NAVLE Review	Cornell University
6) 9/12/18	Obesity in Dogs & Cats	NOM* Rounds	Cornell University
7) 10/18/18	Protein Losing Enteropathy	NOM* Rounds	Cornell University
8) 12/4/18	Feline GI Endoscopy	Feline Club	Cornell University
9) 3/26/19	Assisted Feeding Lab	NOM*	Cornell University
10) 3/2/20	Home Cooked Diets	NOM* Rounds	Cornell University
11) 10/2/20	Obesity in Dogs & Cats	NOM* Rounds	Cornell University
12) 12/8/20	Holiday Nutrition Panel	NOM* Event	Cornell University

\*Nutritional Opportunities in Medicine, student chapter of AAVN

## GRANTS

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### Funded Active:

- 1) Okava Pharmaceuticals
  - “A Randomized, Double-Blind, Active Placebo- Controlled, Multicenter Efficacy and Safety Pilot Study of OKV-1001 for the Treatment of Primary (Non- Associative) Canine Immune-Mediated Hemolytic Anemia”
  - 24-months (2022-2024) Amount: \$199,942
  - Role: PI, Co-PI Robert Goggs
- 2) Research Grants Program in Animal Health
  - “Determining the Role of Proglucagon-Derived Hormones in Hepatocutaneous Syndrome: Leveraging an Orphan Canine Disease Model”
  - 12-months (2020-2021) Amount: \$50,000
  - Role: PI, Co-PI Bethany Cummings
- 3) Feline Health Center
  - “Defining the Metabolic and Fecal Microbiome Signatures of Hyperthyroid Cats”
  - 07/01/2020 - 06/30/2022 Amount: \$47,650
  - Role: PI, CoPI Kenneth Simpson, Resident Molly Bechtold
- 4) ElleVet Sciences



- “*Ex vivo* & *In vitro* Anti-inflammatory Effects of a Mixed CBD/CBDA Hemp Oil Formulation”
  - 12-months (2020-2021) Amount: \$ 62,153
  - Role: PI
- 5) Nestle Purina’s Veterinary Resident Research Grant
- “Transcriptome Analysis of Whole Blood from Dogs with Immune-Mediated Disease and Associations with Serum Vitamin D Metabolites”
  - 12-months (2020-2021) Amount: \$ 14,160
  - Role: PI/Mentor, Resident Phillip J. Mick
- 6) Feline Health Center.
- “Genome wide association studies in cats with complex diseases using a proprietary high density Illumina mapping array”
  - 07/01/2019 - 06/30/2021 Amount: \$148,640
  - Role: Collaborator, PI Rory Todhunter.
  - Publication #33
- 7) Vaika Foundation
- “Influence of Reverse Transcriptase Inhibitors on Canine Longevity and Quality of Life”
  - 4/1/18-5/31/21 Amount: \$3,938,949
  - Role: CoPI, PI Heather J. Huson
  - Publication #29, #34; Lay Posters #1-5
- 8) American Kennel Club, Acorn Grant
- “Immunoprofiling to Combat ITP.”
  - 2018-2019 Amount: \$15,000.
  - Role Co-Investigator, PIs Marjory Brooks and Dana LeVine

**Funded Complete:**

- 1) The G Dog Memorial Fund.
- “The inflammation of endurance exercise and exertional rhabdomyolysis.”
  - 2014-2015 Amount: \$9,850.
  - Role: Resident, PI Joseph Wakshlag
  - Publication #17
- 2) Waltham Foundation.
- “Role of Vitamin D Status in Canine Immune Mediated Disease.”
  - 07/01/2015 - 06/30/2017 Amount: \$19,030
  - Role: Resident, PI Joe Wakshlag
  - Publication #23; Abstract #13
- 3) Hill’s Clinical Study Grant – Residents at VMG Member Schools.
- “Metabolomic Investigation of Hepatocutaneous Syndrome”
  - 12/1/17-12/1/18 Amount: \$8,486
  - Role: PI/Mentor, Residents Louis P. Macho and Adam J. Miller; PI/Mentor, Co-Mentor: Sharon A. Center.
  - Publication in preparation; Abstract #14
- 4) Veterinary Recommended Solutions.
- “Assessment of a Moderate Protein Canine Renal Diet”
  - 2/1/18-3/1/19 Amount: \$56,512
  - Role: CoPI, PI Meredith Miller
- 5) A B Veterinary Biosciences LLC.

- "Evaluation of StablePlate Rx in Thrombocytopenic Canine Patients"
  - 03/15/17-03/14/18 Amount: \$12,725
  - Role: Collaborator, PI Robert Goggs.
  - Publication #28; Abstract #16
- 6) Feline Health Center.
- "A Multidimensional Approach in the Characterization of Neurologic Feline Infectious Peritonitis"
  - 07/01/2017 - 06/30/2019 Amount: \$145,243
  - Role: Collaborator, PI Gary Whittaker.
- 7) Bayer.
- "Refining the Capsule endoscopy procedure and developing tools to facilitate its use for Anthelmintic Efficacy trials"
  - 05/16/2017 - 12/31/2019
  - Role: Assistant investigator, PI Dwight Bowman.
  - Publication in preparation.
- 8) Cellular Longevity
- "A Clinical Study to Evaluate the Use of Health-Related Quality of Life (HRQL), frailty score, and Blood Based Biomarkers as Healthspan and Lifespan Indicators in Dogs"
  - 12-months (2021) Amount: \$7,280
  - Role: PI

**Submitted/In Preparation:**

**TEACHING EXPERIENCE**

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***Cornell University***

**Foundation Courses:**

- VETMED 5300/5310; Function and Dysfunction
  - 2013 Function and Dysfunction Rounds, Gastrointestinal System. (1hr)
  - 2015 Function and Dysfunction Rounds, Renal physiology, emphasis on proteinuria. (1hr)
  - 2016 Function and Dysfunction Rounds, Renal physiology, emphasis on proteinuria. (1hr)
  - 2020 Glomerular Physiology, Articulate Rise Module
  - 2020 Glomerular Physiology Case Discussion. (1 hr)
  - 2021 Glomerular Physiology Case Discussion. (1 hr)
- VETMED 5400; Host, Agent and Defense
  - 2017 Clinical Use and Abuse of NSAIDs. (1hr)
  - 2018 Clinical Use and Abuse of NSAIDs. (1hr)
  - 2019 Clinical Use and Abuse of NSAIDs. (1hr)
  - 2020 Clinical Use and Abuse of NSAIDs. (1hr)
  - 2020 Clinical Autoimmunity Vignette, SLE
  - 2020 Clinical Autoimmunity Vignette, IMHA
  - 2020 Clinical Autoimmunity Vignette, Myasthenia Gravis
  - 2021 Clinical Autoimmunity: SLE, IMHA, Myasthenia Gravis (1hr)
- VETMED 5500/5510; Animal Health and Disease
  - 2015 Case presentations: Renal disease and bronchomalacia. (20 min)
  - 2016 Leptospirosis. (1hr)
  - 2017 Relevant Immune Testing and Immunomodulatory Drugs. (1hr)
  - 2017 Leptospirosis. (1 hr)
  - 2018 Immune Drugs and Testing. (2 hr)
  - 2018 Anemia & Thrombocytopenia (3 hr)
  - 2018 Urinary Calculi (1 hr)

- 2018 Protein Losing Nephropathy (1 hr)
- 2018 Management of Obesity (1 hr)
- 2019 Anemia Parts I & 2 (2 hr)
- 2019 Thrombocytopenia (1 hr)
- 2019 Immunology and Testing (1 hr)
- 2019 Immunomodulatory Drugs (Case-Based) (1 hr)
- 2019 Urinary Calculi (1 hr)
- 2019 Protein Losing Nephropathy (1 hr)
- 2019 Management of Obesity (1 hr)
- 2020 Anemia Parts I & 2 (2 hr)
- 2020 Thrombocytopenia (1 hr)
- 2020 Immunology and Testing (1 hr)
- 2020 Immunomodulatory Drugs (Case-Based) (1 hr)
- 2020 Acute Kidney Injury (1 hr)
- 2020 Chronic Kidney Disease (1hr)
- 2020 Urinary Calculi (1 hr)
- 2020 Protein Losing Nephropathy (1 hr)
- 2021 Anemia Parts I & 2 (2 hr)
- 2021 Thrombocytopenia (1 hr)
- 2021 Immunology and Testing (1 hr)
- 2021 Immunomodulatory Drugs (Case-Based) (1 hr)
- 2021 Introduction to small animal hepatology (1 hr)
- 2021 Portosystemic vascular anomalies (1 hr)
- 2021 Abdominal effusions (1 hr)
- 2021 Acute Kidney Injury (1 hr)
- 2021 Chronic Kidney Disease (1hr)
- 2021 Urinary Calculi (1 hr)
- 2021 Protein Losing Nephropathy (1 hr)
- VETMED 5601; Community Practice Service
  - 2013 Acting/Locum Chief of Service for CPS (4-8 hrs. approx. 6 students)
  - 2014 Acting/Locum Chief of Service for CPS (4-8 hrs. approx. 6 students)
- VETMED 5602; Small Animal Internal Medicine
  - 2014-2015 Resident (41 weeks, 6-10 students/rotation)
  - 2015-2016 Resident (38 weeks, 6-10 students/rotation)
  - 2016-2017 Resident (35 weeks, 6-10 students/rotation)
  - 2017 Lecturer (13 weeks, 6-10 students/rotation)
  - 2018 Lecturer (13 weeks, 6-10 students/rotation)
  - 2018 Assistant Professor (9 weeks, 6-10 students/rotation)
  - 2019 Assistant Professor (20 weeks, 6-10 students/rotation)
  - 2020 Assistant Professor (20 weeks, 6-10 students/rotation)
  - 2021 Assistant Professor (20 weeks, 6-10 students/rotation)
- VETMED 5701; Veterinary Practice: Physical Examination
  - 2012 Orthopedic exam laboratory. (6 hrs. Laboratory, approx. 100 students)
  - 2013 Orthopedic and cardiac exam laboratories. (12 hrs. Laboratory, approx. 100 students)
- VETMED 5704; Veterinary Practice: Introduction to Clinical Procedures
  - 2018 Nutrition I & II (3 hr)
  - 2019 Nutrition I & II (3 hr)
  - 2020 Nutrition I & II (3 hr)
  - 2021 Nutrition I & II (3 hr)
  - 2022 Nutrition I & II (3 hr)

**Distribution Courses:**

- VETMED 6330; Basic Nutrition for Veterinary Students
  - 2014 Feeding Healthy Dogs and Cats (1 hr. Didactic, approx. 60 students)
  - 2014 Reproduction, Lactation and Growth (1 hr. Didactic, approx. 60 students)

- 2014 Obesity in Dogs and Cats (1 hr. Didactic, approx. 60 students)
  - 2014 Starvation in Small Animals (1 hr. Didactic, approx. 60 students)
  - 2016: Reproduction, Lactation and Growth (1 hr. Didactic, approx. 60 students)
  - 2018: Assisted feeding (1 hr. Didactic, approx. 60 students)
  - *Course Coordinator: 2019*
  - 2019: Introduction & Energetics (1 hr. Didactic, 73 students)
  - 2019: Protein, Fats, Carbs & Energy (1 hr. Didactic, 73 students)
  - 2019: Diet history, Adult Feeding cats and dogs (1 hr. Didactic, 73 students)
  - 2019: Geriatrics (1 hr. Didactic, 73 students)
  - 2019: Enteral Support for Hospitalized Patients (1 hr. Didactic, 73 students)
  - 2019: Hepatic Disease Nutrition (1 hr. Didactic, 73 students)
  - 2019: Obesity (1 hr. Didactic, 73 students)
  - 2019: Veterinary Diets and Choices (2 hr. Didactic, 73 students)
  - 2020: Enteral Support for Hospitalized Patients (1 hr. Didactic, approx. 50 students)
  - 2020: Obesity (1 hr. Didactic, approx. 50 students)
  - 2021: Obesity (1 hr. Didactic, approx. 50 students)
  - 2021: GI Nutrition (1 hr. Didactic, approx. 50 students)
  - 2022: Enteral Support for Hospitalized Patients (1 hr. Didactic, approx. 50 students)
  - 2022: GI Nutrition (1 hr. Didactic, approx. 50 students)
- VETMED 6543; Advanced Small Animal Medicine
    - 2015 Immune Dysfunction in Small Animals: From Uncommon Immune-Mediated Disease to Immunodeficiency. (2 hrs. Didactic, approx. 40 students)
    - 2016 Immune Dysfunction in Small Animals: From Uncommon Immune-Mediated Disease to Immunodeficiency. (2 hrs. Didactic, approx. 40 students)
    - 2017 Immune Dysfunction in Small Animals: From Uncommon Immune-Mediated Disease to Immunodeficiency. (2 hrs. Didactic, approx. 40 students)
    - 2018 Immune Dysfunction in Small Animals: From Uncommon Immune-Mediated Disease to Immunodeficiency. (2 hrs. Didactic, approx. 40 students)
    - 2019 Systemic Lupus Erythematosus. (1 hr. Didactic, approx. 40 students)
    - 2019 Hepatocutaneous Syndrome. (1 hr. Didactic, approx. 40 students)

#### **Other Courses:**

- VETMI 7424; Cases with Specimens Laboratory (Parasitology)
  - 2018 Small Animal Case Studies (2 hr. Didactic, approx. 10 students)
  - 2019 Small Animal Case Studies (2 hr. Didactic, approx. 10 students)
  - 2020 Small Animal Case Studies (2 hr. Didactic, approx. 10 students)
  - 2021 Small Animal Case Studies (2 hr. Didactic, approx. 10 students)
  - 2022 Small Animal Case Studies (2 hr. Didactic, approx. 10 students)

#### **House Officer Lectures/Seminars:**

- Cornell University ACVIM Resident Seminar
  - 2014 Starvation in Small Animals. (1 hr)
  - 2015 Immunology Review Part I: Basic Immunology. (1 hr)
  - 2015 Immunology Review Part II: Applied/Clinical Immunology. (1 hr)
  - 2016 Immunology Review Part I: Basic Immunology. (1 hr)
  - 2016 Immunology Review Part II: Applied/Clinical Immunology. (1 hr)
  - 2016 Starvation in Small Animals. (1 hr)
  - 2017 Immunology Review Part I: Basic Immunology. (1 hr)
  - 2017 Immunology Review Part II: Applied/Clinical Immunology. (1 hr)
  - 2018 Nutrition Trivia for Internal Medicine Residents. (1 hr)
  - 2018 Hepatocutaneous Syndrome. (1 hr)
  - 2018 Immunology Review: Applied/Clinical Immunology (1 hr)
  - 2019 Nutrition Trivia (1 hr)
  - 2019 Clinical Immunology (1 hr)

- 2019 Urolithiasis (1 hr)
- 2020 Nutrition Trivia (1 hr)
- 2020 Clinical Immunology (1 hr)
- 2020 Urolithiasis (1 hr)
- 2022 Basic statistics (1 hr)
- Cornell University Intern Seminar
  - 2013 Canine Immune-Mediated Polyarthritis. (1hr)
  - 2014 Clinical Nutrition Rounds. (1 hr)
  - 2015 Clinical Nutrition Rounds. (1 hr)
  - 2016 Clinical Nutrition Rounds. (1 hr)
  - 2017 Nutrition for Hospitalized Patients. (1 hr)
  - 2018 Nutrition for Hospitalized Patients. (1 hr)
  - 2018 Managing Liver Disease in Small Animal Practice (1 hr)
  - 2019 Managing Liver Disease in Small Animal Practice (1 hr)

**House Officer Training:**

- 1) Alyssa M. Chandler (DACVIM 2018)
  - Assistant Clinical Professor, Cornell University Ithaca, NY
- 2) Louis P. Macho (DACVIM 2019)
  - Staff Internist, Advanced Vet Care Center Davie, FL
- 3) Jennifer M. Prieto (DACVIM 2019)
  - Assistant Clinical Professor, Cornell University Ithaca, NY
- 4) Brittany C. Kunz (DACVIM 2021)
  - Staff Internist, ACCESS South Bay, CA
- 5) Adam J. Miller (DACVIM 2021)
  - Staff Internist, North Star Vets Robbinsville, NJ
- 6) Phillip Mick (DACVIM 2021)
  - Staff Internist, ACCESS Los Angeles, CA
- 7) Molly Bechtold Current Cornell SAIM Resident (year 3)
- 8) Sarah Holm Current Cornell SAIM Resident (year 3)\*
- 9) Stephanie Smith Current Cornell SAIM Resident (year 3)
- 10) Michael Merkhassine Current Cornell SAIM Resident (year 2)
- 11) Hailey Rose Current Cornell SAIM Resident (year 2)\*
- 12) Kellie Cammarano Current Cornell SAIM Resident (year 1)

\*Resident Advisee

**Senior Seminar Advising:**

- 1) 12/14 Susan Smith Investigation of Chronic Weight Loss in a Kennel of Newfoundlands
- 2) 01/15 Laura Bork Hepatocutaneous Syndrome: A Cutaneous Manifestation of a Systemic Disease
- 3) 03/15 Patrick Satchell Sliding Hiatal Hernia and Esophageal Strictures in an 8 mo Domestic Shorthair
- 4) 09/15 Alison Reichard Bile Duct Carcinoma in an Eight-Year-Old Domestic Shorthair Cat
- 5) 11/15 Carly Gregory Discospondylitis in a Labrador Retriever Presenting as Acute Abdomen
- 6) 02/16 Alexandra Dundie Spontaneous Chylothorax in a Labrador Retriever
- 7) 02/16 Addie Jennings Jejuno-ileal Intussusception in a German Shorthaired Pointer Mix Puppy
- 8) 05/16 Staceyann Doobar Hepatocutaneous Syndrome in a West Highland White Terrier
- 9) 01/17 Lauren Niedbalec Disseminated Intravascular Coagulation after Anaphylaxis in a 6-year-old Mixed Breed Dog
- 10) 04/17 Laura McEndaffer Immune-mediated Polyarthropathy and Protein-losing Glomerular Nephropathy in a Labrador Retriever
- 11) 05/17 Mona Griffin Megacolon in a 5-year-old Domestic Shorthair Cat
- 12) 05/17 Clare Y. Sherman Exocrine Pancreatic Insufficiency in a German Shepherd Dog.

- |           |                       |   |
|-----------|-----------------------|---|
| 13) 10/17 | Mariah Williams       | Eosinophilic Bronchopneumopathy in a Newfoundland                                     |
| 14) 11/17 | Robert P. Blakely     | PleuralPort™ Placement in a Miniature Poodle with Chronic Idiopathic Pleural Effusion |
| 15) 05/18 | Bethany Kulczewski    | Copper-associated Hepatopathy in a 7-year-old Labrador Mix                            |
| 16) 05/19 | Danielle Zimmer       | Cystine Urolithiasis in an 8-month-old Terrier Mix                                    |
| 17) 09/19 | Ellen Gunzel          | A Parathyroid tumor causing refractory hypocalcemia in a beagle                       |
| 18) 12/19 | Travis Wingfield      | A Case of Humoral Hypercalcemia of Malignancy in a 5-year old Golden Retriever        |
| 19) 10/20 | Margot Gruenstein     | Cushing's Disease Workup in a Dog with a Suspected Adrenal Mass                       |
| 20) 12/20 | Caley Sky-Shrewsberry | Immune-Mediated Thrombocytopenia in a German Shepherd Dog                             |
| 21) 01/21 | Jake Salzman          | Pulmonary Carcinoma in a Border Collie  |
| 22) 10/21 | Karolynn Ellis        | Renal Dysplasia in a one-year-old Bulldog   |
| 23) 3/22  | Lisa Weikert          | Osteogenesis imperfecta in a 1-year-old French Bulldog                                |

**Veterinary Investigator Program:**

- |         |                |   |
|---------|----------------|---|
| 1) 2019 | Karolyn Ellis  | Effect of Exercise on the Canine Immune System      |
| 2) 2020 | Stephanie Thi  | T cell Phenotypes in Aging Sled Dogs                |
| 3) 2021 | Benjamin Morse | In vitro effects of calcitriol on canine leukocytes |

**Undergraduate Honors Thesis Advisor:**

- |         |                   |   |
|---------|-------------------|---|
| 1) 2019 | JiAnn Greenberg   | The effects of vaccination and aging on the immune response to Leptospirosis in retired sled dogs |
| 2) 2020 | Elizabeth Pavlova | Exploring functional heterogeneity in canine granulocyte populations                              |

**Other:**

- 2009 Presentation on Exotic Pets, 4H Veterinary Explorations Series. Cornell CVM, Education Club.
- 2010 Primary author of a problem-based learning case for Foundation Course IV; Host, Agent and Defense (not in curriculum).

***University of Massachusetts, Amherst***

- 2002-2008 Teaching Assistant for EMT-Basic Course and CPR (AHA certified) instructor with UMass Emergency Medical Services.
- 2003 Animal Science 101, Introductory Animal Science: Undergraduate Laboratory TA.
- 2004 Animal Science 103, Animal Management: Undergraduate Laboratory TA.
- 2004 Director of Training, UMass Emergency Medical Services.
- 2005 Animal Science 103, Animal Management: Graduate Laboratory TA.
- 2006 Animal Science 103, Animal Management: Graduate Laboratory TA.
- 2006 Organized and lectured, 'Science Day Workshop' for undergraduate student's honors and independent study presentations.
- 2007 Organized and lectured, 'Science Day Workshop' for undergraduate student's honors and independent study presentations.
- 2007 Laboratory Lecture, Dissection of the Lymphatic System, UMass Microbiology Dept.

**COMMITTEE ASSIGNMENTS and ACTIVITIES**

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1) CUHA

- 2013-Present Intern Selection Committee, Member
- 2017-Present CUHA Pharmacy & Therapeutics Committee, Member
- 2017-Present Internship Oversight Committee, Member
- 2018 EMR Student Experience Committee, Member

- 2019-Present            Equipment Committee, Member
  - 2020-Present            ICU Working Group, Member & Leader
- 2) DCS
- 2019                      Small Animal Medicine TT Search Committee, Member
  - 2020                      Small Animal Medicine TT/CT Search Committee, Member
  - 2021-22                 Small Animal Soft Tissue Surgery TT/CT Search Committee, Member
- 3) College of Veterinary Medicine
- 2019                      DCS Chair Search Committee, Member
  - 2021                      Baker Institute Faculty Search Committee, Member
- 4) ACVIM
- 6/2018-6/2020            Maintenance of Credentials Committee (SAIM), Member
  - 6/2019-6/2020            Maintenance of Credentials Committee (ACVIM), Assistant Chair
  - 6/2020-12/2021           Maintenance of Credentials Committee (SAIM), Chair
  - 6/2020-12/2021           Maintenance of Credentials Committee (ACVIM), Chair
- 5) Veterinary & Comparative Clinical Immunology Society
- 2020-Present            Steering Committee, Member
  - 2020-Present            Director of Media & Communications

**PROFESSIONAL DEVELOPMENT/CONTINUING EDUCATION (Last five years)**

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- |           |                |                     |
|-----------|----------------|---------------------|
| 1) 9/2017 | ECVIM Congress | St. Julian's, Malta |
| 2) 6/2019 | ACVIM Forum    | Phoenix, AZ         |
| 3) 6/2021 | ACVIM Forum    | Virtual             |