

CURRICULUM VITAE

Name: Dr. med. vet. Dr. habil. Matti Kiupel, BS, MS, PhD, DACVP

Occupation: Veterinary Pathologist

Special Interests: Interested in comparative pathology and molecular diagnostic pathology. Research interests are specifically concerned with the pathogenesis of infectious diseases, especially zoonotic and emerging diseases, and neoplastic diseases of domestic species, including animal models of human neoplastic conditions. Additional areas of research include ferret diseases and diseases of corals.



Board Status: Diplomat American College of Veterinary Pathologists (2000)
Fachtierarzt für Veterinär Pathologie, Mecklenburg-Vorpommern, Germany (2001)

Current Position: Professor of Pathology,
Section Chief Anatomic Pathology
Head of Histology and Immunohistochemistry Laboratory,
Diagnostic Center for Population and Animal Health and
Department of Pathobiology and Diagnostic Investigation
College of Veterinary Medicine, Michigan State University,
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Personal Data: Born – October 06, 1968
Married – to Gerlind Kiupel; one son, Marten, born 06/24/2006

Licenses: Veterinary License State of Michigan
Veterinary Approbation Germany/EU

Professional Experience:

2012-present: Professor in veterinary pathology, Michigan State University, MI, USA
2007-present: Section Chief Anatomic Pathology, DCPAH, Michigan State University, MI, USA
2006-2012: Associate professor in veterinary pathology, Michigan State University, MI, USA
2001-2006: Assistant professor in veterinary pathology, Michigan State University, MI, USA
1999-2001: Ph.D. in veterinary pathobiology (pathogenesis of porcine circovirus), Purdue University, IN, USA
1998-2001: Teaching assistant, general/systemic human pathology, Purdue University, IN, USA
1996-1999: Residency in anatomical pathology, Purdue University, IN, USA

Degrees received:

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Humboldt University Berlin, Germany	BS	1993	Biology
Humboldt/Freie University Berlin, Germany and University of Cambridge, UK	DVM	1996	Veterinary Medicine
Freie University Berlin, Germany, University of Cambridge, UK., University of Utrecht, NL	Dr. vet. med.	1999	Veterinary Pathology
Purdue University, IN, USA	MVSc	1999	Veterinary Pathology
Purdue University, IN, USA	PhD	2001	Veterinary Pathology
Ludwig-Maximilian-University, Munich, Germany	Habil	2010	Veterinary Pathology

Short Synopsis

Dr. med. vet. habil. Matti Kiupel, BS, MS, PhD, DACVP, Fachtierarzt für Veterinär Pathologie, is a Professor in the Department of Pathobiology and Diagnostic Investigation at Michigan State University in the College of Veterinary Medicine and serves as the Section Chief of Anatomic Pathology in the Diagnostic Center for Population and Animal Health. He is also the head of the histology and immunohistochemistry laboratory, the largest veterinary diagnostic molecular pathology laboratory in the country.

Dr. Kiupel received his veterinary degree from the Freie University of Berlin, Germany in 1996. While studying veterinary medicine he finished his bachelor degree in biology at the Humboldt-University, Berlin, Germany and completed his doctoral thesis research on canine malignant lymphomas in a collaborative study between the University of Cambridge, UK, the university of Utrecht, Netherlands and the Freie University, Berlin, Germany and was awarded the doctoral degree in 1999. Dr. Kiupel completed a residency in anatomic pathology from 1996 until 1999 and finished a PhD on the pathogenesis on porcine circovirus in 2001 at Purdue University, Indiana, USA. He has held a professorship in anatomic pathology since 2001 at Michigan State University and became section chief in 2006 and was promoted to full professor in 2012.

Dr. Kiupel has received many honors and awards including a merit scholarship from the Friedrich-Ebert-Foundation, Germany, a merit scholarship of the British Chamber of Commerce in Germany, the Charles Osborne Award from Purdue University, the Don Kahn Award in Virology of the American College of Veterinary Microbiologists, the Heinrich-Luessen-Award and the Ernst-Reuter-Award, both from the Freie University, Berlin, Germany, multiple Samuel W. Thompson Distinguished Lecturer Awards, the Barbara Jean Thompson Service Award and the Robert Farell Lecturer Award, the Research Achievement Award of the American Ferret Association and he is a honorary member of the US Army Veterinary Corps. In 2017 he received the Special Recognition Award for Promoting International Understanding from Michigan State University for his work in Brazil and Thailand.

Dr. Kiupel has a strong interest in the training of graduate students and has served in the last 10 years on 30 PhD and MS graduate student committees, on 11 of these as chair and primary mentor. Furthermore, he has been the primary advisor of 15 residents in anatomic pathology. Dr. Kiupel's work has focused on incorporating education in veterinary medicine and pathology with training in human biomedical research designed to address translation of research findings from animal models to the clinical setting. His goal has been to train molecular pathologists that can bridge the gap between clinical disease to cellular alteration and ultimately molecular pathways.

Dr Kiupel has published more than 200 peer-reviewed scientific manuscripts and numerous book chapters in the field of veterinary and comparative pathology and specifically tumor pathology and was the lead author on the WHO fascicle of neuroendocrine tumors of domestic animals. He just completed multiple chapters as primary and co-author in the new Meuten "Tumors in Domestic Animals" and co-authored the hematopoietic chapter in the newest edition of Jubb, Kennedy and Palmer's "Pathology of Domestic Animals". He has been an invited speaker on topics of tumor pathology and diagnostic molecular pathology, in particular immunohistochemistry, worldwide. Dr. Kiupel is also the Associate Editor for Oncology in Veterinary Pathology and recently served as the guest editor of an issue dedicated to veterinary tumor pathology. Dr. Kiupel served for numerous years as chair of the ACVP oncology committee and the AAVLD pathology committee. He is a board member of the Charles Louis Davis, DVM Foundation and until recently served on the board of directors for the Michigan Veterinary Medical Association. His laboratory has been selected for pathology and immunohistochemistry support of the Comparative Oncology Trials Consortium (COTC). He is currently working as Editor of the online World Small Animal Veterinary Association (WSAVA) classification of neoplastic diseases of animals and the 3rd edition of the WHO fascicle of Tumors of Animal Diseases and he is member of the National Cancer Institute (NCI) Comparative Melanoma Board.

Dr. Kiupel has also maintained a strong interest in infectious diseases, especially viral diseases and has discovered throughout his career numerous novel viral and other infectious diseases. His expertise in diagnostic pathology has resulted in invitations worldwide as a lecturer and collaborator on research projects. Dr. Kiupel furthermore has an interest in ferret diseases and just finished an update of the chapter on viral diseases of ferrets for the next edition of "Ferret Biology and Diseases." Over the last 10 years he has authored and co-authored numerous manuscripts on ferret diseases, many of them characterizing emerging diseases for the first time, including ferret coronaviruses, ferret mycoplasmosis, ferret rotaviruses etc. He maintains the web page www.ferrethealth.msu.edu to provide public education on ferret diseases and has raised significant funds for research into such diseases. Only recently, Dr. Kiupel has been invited to lead the research into coral diseases for the Khalid Bin Sultan Living Oceans Foundation and he has already participated at a number of expeditions to study coral diseases. His research into the pathology of coral diseases and their mechanisms is rapidly exploring new frontiers and poised to achieve international recognition.

Honors and Awards:

1. Merit scholarship to study veterinary medicine from the Friedrich-Ebert-Foundation, Sep 1992-Sep 1996.
2. EC-reimbursement for fees and tuition to study veterinary medicine in Cambridge, Oct 1993 - Sep 1994.
3. Merit award of the British Chamber of Commerce in Germany, Oct 1993 - Sep 1994.
4. 3rd prize for the poster "Classification of canine lymphomas using AgNORs". 1st World Conference on Spontaneous Animal Tumours. Genoa, Italy, 1995.
5. "Charles Osborne Award" (best clinical investigation) for the presentation "Circoviral disease in weaned pigs in Indiana", Purdue University, Apr 1998.
6. 2nd prize "Young Investigator Award" for the poster "Ultrastructure of porcine circovirus in PK-15 cells". ACVP. St. Louis, Nov 1998.
7. Don Kahn Award in Virology of the American College of Veterinary Microbiologists for the presentation "Lesions in BALB/c mice infected with porcine circovirus (PCV) isolated from a pig with postweaning multisystemic wasting syndrome (PMWS). CRWAD. Chicago, IL, Nov 1999.
8. Heinrich Luessen Award for the best doctoral thesis in veterinary medicine of the year 1998/9, Freie University, Berlin, Germany, Jan 2000.
9. Graduate student award for best poster: "Kiupel M, Williams B, West K, Raymond JT, Grant CK, Glickmann LT, Coronavirus associated enzootic catarrhal enteritis (ECE) in ferrets", AAVLD, Birmingham, AL, Oct 2000.
10. Purdue University Graduate Student Association travel award, Lafayette, IN, Dec 2000.
11. Ernst-Reuter Award for the best doctoral thesis of the Freie University Berlin of the year 1999, the award is listed with DM 10,000 and presented through the secretary of education, Berlin, Germany, Dec 2000.
12. Samuel W. Thompson Distinguished Lecturer Award of the CL Davis Foundation, Salt Lake City, UT, 2001
13. Corporate Secretary C. L. Davis Foundation 2002-2003
14. C. L. Davis Foundation, Faculty of Discussants since 2002
15. Member of the Board of Directors C. L. Davis Foundation since 2003
16. Listed in Who's Who in Science and Engineering 2003-11
17. Samuel W. Thompson Distinguished Lecturer Award of the CL Davis Foundation, Banff, Canada, 2003
18. Editorial Board of Veterinary Pathology since 2003
19. Barbara Jean Thompson Service Award of the CL Davis Foundation, Boston, MA, 2005
20. Honorary member of the US Army Veterinary Corps, Fort Sam Houston, TX, April 2008
21. Research Achievement Award. American Ferret Association, Phoenix, AZ, 2011.
22. Samuel W. Thompson Distinguished Lecturer Award of the CL Davis Foundation, Nashville, TN, 2011
23. FDA Honor Award for Lascadoil Animal Feed Contamination Response, Silver Spring, MD, 2015
24. Robert L. Farrell Award for Lectureship Excellence, Davis-Thompson Foundation, Minneapolis, MN, 2015
25. Special Recognition Award for Promoting International Understanding, Michigan State University, MI 2017

Memberships in Professional Organizations:

American Association of Veterinary Laboratory Diagnosticians
American College of Veterinary Pathologists
C.L. Davis Foundation for Advancement of Veterinary and Comparative Pathology
Conference of Research Workers in Animal Diseases
Michigan Veterinary Medical Association
European Association of Zoo and Wildlife Veterinarians
GAIN (German Academic International Network)
Midwest Association of Veterinary Pathologists
National Society of Phi Zeta, Honor Society of Veterinary Medicine (1998)

Teaching Experience & Accomplishments:

1. Teaching assistant for VPB 586 Diagnostic Veterinary Pathology Professional Student Clerkship, Fall and Spring, 1996-1999, College of Veterinary Medicine, Purdue University.
2. Teaching assistant for VPB 600 Diagnostic Veterinary Pathology Resident Clerkship, Fall and Spring, 1998-1999, College of Veterinary Medicine, Purdue University.
3. Teaching assistant for VPB 530 General Human Pathology I, lectures, Fall and Spring, 1998-2001, School of Human Medicine, Purdue University.
4. Teaching assistant for Course VPB 531 General Human Pathology II, lectures, Fall and Spring, 1998-2001, School of Human Medicine, Purdue University.
5. Teaching assistant for Course VPB 532 Systemic Human Pathology II, lectures and laboratories, Fall and Spring, 1998-2001, School of Human Medicine, Purdue University.
6. Lecturer, PDI553 Cardiovascular System lectures and laboratories Fall, 2002, 2003, 2004, 2005, 2006, 2007, 2008 College of Veterinary Medicine, Michigan State University.

7. Lecturer, PDI553 Skeletal Muscle System lectures and laboratories Fall, 2002, 2003, 2004, 2005, 2006, 2007, 2008 College of Veterinary Medicine, Michigan State University.
8. Lecturer, PTH851 Advanced General Veterinary Pathology, Immunohistochemistry, Fall, 2002, College of Veterinary Medicine, Michigan State University.
9. Lecturer, PDI851 Advanced General Veterinary Pathology, Carcinogenesis, Fall, 2006, 2008, 2010, 2012, 2014, 2016 College of Veterinary Medicine, Michigan State University.
10. Lecturer, PDI853 Advanced Systemic Veterinary Pathology, Cardiovascular and Hematolymphatic Pathology, Spring, 2003, 2005, 2007, 2009, 2011, 2013 College of Veterinary Medicine, Michigan State University.
11. Lecturer, PDI551 Carcinogenesis lectures and laboratories Spring, 2006, 2007, 2008, 2009, Fall 2010, 2011, 2012, 2013, 2014, 2015, 2016 College of Veterinary Medicine, Michigan State University.
12. Instructor, PDI630 Diagnostic Pathology Clerkship, multiple rotations, Spring & Fall, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012. 2013, 2014, 2015, 2016 College of Veterinary Medicine, Michigan State University.
13. Instructor, PDI631 Necropsy Clerkship, multiple rotations, Spring & Fall, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 College of Veterinary Medicine, Michigan State University.
14. Instructor, PDI632 Special Problems in Veterinary Pathology, Foreign Animal Diseases, Spring, 2003, 2004, 2005, 2006, 2007 College of Veterinary Medicine, Michigan State University.
15. Lecturer, PDI870 Ferret Pathology, Summer, 2005, 2007, 2009, 2013 College of Veterinary Medicine, Michigan State University.
16. Course coordinator and lecturer, PDI562 Introduction to Emerging and Foreign Animal Diseases, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 College of Veterinary Medicine, Michigan State University.
17. Course coordinator and lecturer, PDI894 Neoplastic Diseases of Domestic Animals, Summer, 2006, 2008, 2010, 2012, 2014, 2016 College of Veterinary Medicine, Michigan State University.
18. Instructor, PDI891 Special Problems in Veterinary Pathology, Chronic Wasting Disease, Spring, 2003, College of Veterinary Medicine, Michigan State University.
19. Moderator, VM512 VIPSI, multiple rotations, Fall, 2002 & 2003, College of Veterinary Medicine, Michigan State University.
20. Moderator, VM522 VIPSII, multiple rotations, Spring, 2002, 2003 & 2004 College of Veterinary Medicine, Michigan State University.
21. Moderator, VM532 VIPSIII, multiple rotations, Fall, 2001, 2002, 2003, 2004, 2005 & 2006, College of Veterinary Medicine, Michigan State University.
22. Lecturer, VM521 Perspectives in Veterinary Medicine, Spongiform Encephalopathies, Spring, 2003, College of Veterinary Medicine, Michigan State University.
23. Lecturer, VM820 Prion Biology and Prion Diseases, Chronic Wasting Disease, Spring, 2003, College of Veterinary Medicine, Michigan State University.
24. Lecturer, FW432 Perspectives in Veterinary Medicine, Spongiform Encephalopathies, Spring, 2003, College of Veterinary Medicine, Michigan State University.
25. Lecturer, Pathology Club, Foreign Animal Diseases, Spring, 2003, College of Veterinary Medicine, Michigan State University.
26. Lecturer, Young's people College, Tuberculosis, Summer, 2002, College of Veterinary Medicine, Michigan State University.
27. Lecturer, Training courses for veterinary pathology residents: Diseases of Swine, Fall, 2001, Spring 2002, College of Veterinary Medicine, Michigan State University.
28. Lecturer, National Board Exam Review, Diseases of Swine, Fall, 2001 & 2002, College of Veterinary Medicine, Michigan State University.
29. Faculty of Discussants C.L. Davis Foundation for Advancement of Veterinary and Comparative Pathology, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016.

Education and Training:

1. Necropsy assistant, Veterinary Diagnostic Laboratory (LVLMV), Rostock, Germany, 1990.
2. Tutor veterinary anatomy, Department of Anatomy, Humboldt University, Germany, 1991-1993.
3. Externship, small animal clinic, Bremen, Germany, 1993.
4. Wildlife guide, Hwange National Park, Zimbabwe, 1993.
5. Participation in a sheep vaccination program, Wales, U.K., 1994.
6. Clerkship, Sea World of Texas, San Antonio, USA, 1994.
7. Clerkship, abattoir, Bremen, Germany, 1995.
8. Internship in equine pathology/orthopedics, Animal Health Trust in Newmarket, U.K., 1995.
9. Internship in avian and wildlife pathology, University of Utrecht, Netherlands, 1995.
10. Descriptive Veterinary Pathology Shortcourse, CL Davis Foundation, AFIP, Washington, D.C., 1998.
11. Pathology of Laboratory Animals, CL Davis Foundation, AFIP, Washington, D.C., 1998.

12. Mouse Pathology, visiting researcher with J. Sundberg, Jackson Laboratory, Bar Harbour, Maine, 1998.
13. Immunohistochemistry and in-situ hybridization. Georgia University, Athens, 1998.
14. The Gross Morbid Anatomy of the Diseases of Animals, CL Davis Foundation, AFIP, Washington, D.C., 1999.
15. Systemic and Gross Pathology, visiting researcher, AFIP, Washington, D.C., 1999.
16. Pathology of Laboratory Animals, CL Davis Foundation, AFIP, Washington, D.C., 1999.
17. Scientific Writing Workshop, Purdue University, West Lafayette, Indiana, 1999.
18. Diagnostic PCR. Virology Laboratory, Manitoba Veterinary Services, Winnipeg, Canada, 2000.
19. Immunohistochemistry. University of Missouri, Columbia, 2000.
20. Laser Capture Microdissection Workshop, ACVP, Amelia Island, FL, 2000.
21. Foreign Animal Disease Training, Foreign Animal Disease Diagnostic Laboratory, Plum Island, NY, 2001.
22. ILSI seminars on advanced pathologic techniques: Mechanisms of mitochondrial pathobiology, ACVP, Salt Lake City, Ut, 2001.
23. Flow-Cytometry: An introduction and artful applications, ACVP, Salt Lake City, Ut, 2001.
24. LCTTP Training: Photoshop 6 – Basics, MSU, East Lansing, MI, 2001
25. LCTTP Training: Photoshop 6 – Tips and Tricks, MSU, East Lansing, MI, 2001
26. LCTTP Training: Blackboard, MSU, East Lansing, MI, 2001
27. LCTTP Training: Microsoft Windows Project, MSU, East Lansing, MI, 2001
28. CL Davis Foundation Symposium on Diagnostic Immunohistochemistry, St. Louis, MO, 2002
29. CL Davis Foundation Symposium on Dermatopathology. ACVP, New Orleans, LO, 2002.
30. Diseases of Exotic and Petbirds. ACVP, New Orleans, LO, 2002.
31. CL Davis Foundation Symposium on Reproductive Pathology. AAVLD, San Diego, CA, 2003.
32. CL Davis Foundation Symposium on Surgical Pathology. ACVP, Banff, Canada, 2003.
33. Foundations of Effective Leadership: Succeeding at Supervision, MSU, East Lansing, MI, 2003.
34. CL Davis Foundation Symposium on Diagnostic Neuromuscular Pathology. AAVLD, Greensboro, NC, 2004.
35. CL Davis Foundation Symposium on Diagnostic Toxicologic Pathology. AAVLD, Hershey, PA, 2005.
36. CL Davis Foundation Symposium on Parasite Identification in Tissue. ACVP, Boston, MA, 2005.
37. CL Davis Foundation Symposium on Diagnostic Avian Pathology. AAVLD, Minneapolis, MN, 2006.
38. CL Davis Foundation Symposium on Cytological Pathology. ACVP, Tuscon, AR, 2006.
39. Wildlife Diseases. ACVP, Tuscon, AR, 2006.
40. CL Davis Foundation Symposium on Diagnostic Orthopaedic Pathology. AAVLD, Reno, NV, 2007.
41. CL Davis Foundation Symposium on Diagnostic Gastrointestinal Pathology. AAVLD, Greensboro, NC, 2008.
42. CL Davis Foundation Symposium on Diagnostic Pathology of Exotic Pets. AAVLD, San Diego, 2009.
43. CL Davis Foundation Symposium on Diagnostic Ocular Pathology. AAVLD, Minneapolis, 2010.
44. Classification of lymphomas. ACVP, Baltimore, MD, 2011.
45. Diseases of Zebrafish. ACVP, Nashville, TN, 2012.

Peer-reviewed Publications:

1. Draehmpaehl D, Ottensmeier A, Kleinpeter A, Kiupel M. Gefäße, Nerven, Muskel- und Sehnen-spindeln als Angriffspunkte der Akupunktur bei Katzen und Hunden und ihre therapeutischen Möglichkeiten. Monatshefte Vet-Med 48: 537-551, 1993.
2. Kiupel M, Bostock D, Bergmann V. A semiquantitative method for the evaluation of AgNORs in canine malignant lymphomas. Eur J Vet Path 4, 2: 67-71, 1998.
3. Kiupel M, Bostock D, Bergmann V. The prognostic significance of AgNOR counts and PCNA-positive cell counts in canine malignant lymphomas. J Comp Path 119: 407-418, 1998.
4. Kiupel M, Van Alstine WG, Ritmeester A. Small intestinal adenocarcinoma in a horse. Eur J Vet Path 4,1: 39-42, 1998.
5. Kiupel M, Stevenson GW, Mittal SK, Clark EG, Haines DM. Circovirus-like viral associated disease in weaned pigs in Indiana. Vet Pathol 35: 303-307, 1998.
6. Kiupel M, Bostock D, Teske E. Prognostic factors for the treatment of canine malignant lymphoma. Vet Pathol 36: 292-300, 1999.
7. Wu CC, Kiupel M, Raymond JT, de Gortari MJ, Lin TL. Group G streptococcal infection in a cat colony. J Vet Diagn Invest 11: 174-177, 1999.
8. Kiupel M, Van Alstine WG, Kilbane B, Cholelithiasis in a Rock Hyrax. J Zoo Wildlife Med, 30: 177-178, 1999.
9. Stevenson GW, Kiupel M, Mittal SK, Kanitz CL, Ultrastructure of porcine circovirus in persistently infected PK-15 cells. Vet Pathol 36: 368-378, 1999.
10. Kiupel M, Brown KS, Sundberg JP, Bulbourethral (Cowper's) gland abnormalities in inbred laboratory mice. J Experiment Anim Sci 40: 178-188, 1999.
11. Kiupel M, Stevenson GW, Kanitz CL, Anothayanontha L, Latimer KS, Mittal SK, Cellular localization of porcine circovirus in PK-15 cells. Eur J Vet Path 5: 45-50 1999.

12. Kiupel M. Prognostic factors for the evaluation of canine malignant lymphomas focusing especially at the importance of argyrophil, nucleolus organizing regions (AgNORs); Prognostische Faktoren zur Beurteilung von caninen malignen Lymphomen unter besonderer Berücksichtigung der Bedeutung von argyrophilen Nucleolus organisierenden Regionen (AgNORs), Doctoral Thesis, Freie University, Berlin, April, 1999.
13. Kiupel M, Stevenson GW, Frank N, Snyder P, Pelvic hemangiosarcoma in a horse. *J Vet Diag Invest* 12: 91-95, 2000.
14. Hooser SB, VanAlstine W, Kiupel M, Sojka J, Acute pit gas (hydrogen sulfide) poisoning in confinement cattle. *J Vet Diag Invest* 12: 272-275, 2000.
15. Kiupel M, Mueller PB, Ramos Vara J, Irizarry A, Lin TL, Multiple endocrine neoplasia in a dog. *J Comp Path* 123: 210-217, 2000.
16. Williams B, Kiupel M, West K, Raymond JT, Grant CK, Glickmann LT, Coronavirus associated enzootic catarrhal enteritis (ECE) in ferrets (*Mustela putorius furo*): a review of 120 cases (1993-1998) *JAVMA* 217: 526-530, 2000.
17. Kiupel M, Stevenson GW, Latimer KS, Choi J, Kanitz CL, Mittal SK, Viral replication and lesions in BALB/c mice experimentally inoculated with Porcine Circovirus (PCV) isolated from a pig with Postweaning Multisystemic Wasting Disease (PMWS). *Vet Path* 38: 74-82, 2001.
18. Borel N, Buergi E, Kiupel M, Stevenson GW, Mittal SK, Pospischil A, Sydler T. Drei Faelle von "Postweaning Multisystemic Wasting Syndrome" (PMWS) hervorgerufen durch das porcine Circovirus Typ 2 (PCV 2) in der Schweiz. *Schweiz Arch Tierheilkunde* 143:249-255, 2001.
19. Stevenson GW, Kiupel M, Mittal SK, Choi J, Latimer KS, Kanitz CL, Tissue distribution and genetic typing of porcine circoviruses in pigs with naturally occurring congenital tremors *J Vet Diag Invest* 13: 57-62, 2001.
20. Borel N, Buergi E, Kiupel M, Stevenson GW, Mittal SK, Pospischil A, Sydler T. Drei Faelle von "Postweaning Multisystemic Wasting Syndrome" (PMWS) hervorgerufen durch das porcine Circovirus Typ 2 (PCV 2) in der Schweiz. *Der praktische Tierarzt* 9: 730-736, 2001.
21. Pospischil A, Stuedli A, Kiupel M, Update on porcine epidemic diarrhea. *J Swine Health Prod* 10: 81-85, 2002.
22. Kiupel M. Classical Swine Fever. In: *Transmissible Diseases Handbook*, EAZWV, chapter 69, 1st ed., IDWG, Berne Switzerland, May 2002.
23. Kiupel M. African Swine Fever. In: *Transmissible Diseases Handbook*, EAZWV, chapter 70, 1st ed., IDWG, Berne Switzerland, May 2002.
24. Kiupel M. Swine Vesicular Disease. In: *Transmissible Diseases Handbook*, EAZWV, chapter 71, 1st ed., IDWG, Berne Switzerland, May 2002.
25. Choi J, Stevenson GW, Kiupel M, Balazs M, Anothayanontha L, Kanitz CL, Mittal SK. Sequence analysis of old and new strains of porcine circovirus associated with congenital tremors in pigs and their comparison with strains involved with postweaning multisystemic wasting syndrome. *Can J Vet Res* 66: 217-224, 2002.
26. Ramos-Vara JA, Kiupel M, Miller MA, Diagnostic immunohistochemistry of infectious diseases in dogs and cats. *J Histotech* 25: 201-214, 2002.
27. Ramos-Vara JA, del Piero F, Kiupel M, Fitzgerald SD, Bermudez AJ, Johnson GC, Miller MA, Diagnostic immunohistochemistry of equine and avian infectious diseases. *J Histotech* 25: 215-228, 2002.
28. Patrick DJ, Kiupel M, Gerber V, Carr EA: Ileocecal intussusception and *Anoplocephala perfoliata* infection in a horse. *Compend Contin Educ Pract Vet.* 25: 66,76, 2003.
29. Peterson RA, Kiupel M, Capen CC Adrenal Cortical Carcinomas with Myxoid Differentiation in the Domestic Ferret (*Mustela putorius furo*). *Vet Pathol* 40: 136-142, 2003.
30. Patrick DJ, Kiupel M, Gerber V, Carr EA, Malignant granulosa-theca cell tumor in a 2-year-old Miniature Horse. *J Vet Diagn Invest* 15: 60-63, 2003.
31. Kiupel M, Fitzgerald SD, Patterson JS, Wise A, Simmons HA, Hollamby SR, Cooley TM, Sikarskie JG, Massey JP, Maes R. West Nile Virus Surveillance in Michigan - Detection of West Nile Virus in Non-Corvid Avian Species and Small Mammals. *Verh. ber. Erkr. Zootiere* 41: 39-45, 2003.
32. Wise A, Kiupel M, Isenhour C, Maes R. Development and Evaluation of Molecular Techniques for the Diagnosis of Epizootic Catarrhal Enteritis Infection of Ferrets. *Verh. ber. Erkr. Zootiere* 41: 427-432, 2003.
33. Kiupel M. Vesicular Exanthema. In: *Transmissible Diseases Handbook*, EAZWV, chapter 72, 1st ed., IDWG, Berne Switzerland, May 2003.
34. Kiupel M, Mecklem R. Cleaning and disinfection. In: *Transmissible Diseases Handbook*, EAZWV, chapter 2, 1st ed., IDWG, Berne Switzerland, May 2002.
35. MontianiFerreira F, Li T, Kiupel M, Howland HC, Hocking PM, Curtis R, PetersenJones S. Clinical features of the retinopathy, globe enlarged (rge) chick phenotype. *Vision Res* 43: 2009-2018, 2003.
36. Cottingham SL, Castellani R, Kiupel M. Histologic findings in West Nile encephalomyelitis: the west Michigan experience. *J Neuropathol Exp Neurol* 62: 561, 2003.
37. Fitzgerald SD, Patterson JD, Kiupel M, Simmons HA, Grimes SD, Sarver CF, Fulton RM, Steficek BA, Cooley TM, Massey JP, Sikarskie JG. Clinical and Pathological Features of West Nile Virus Infection in Native North American Owls (Family Strigidae). *Avian Dis* 47: 602-610, 2003.
38. Einum P, Kiupel M, Bolin C. An Outbreak of Fowl Cholera in Ring-Necked Pheasants (*Phasianus colchicus*). *Avian Dis* 47: 777-780, 2003.

39. Kiupel M, Van Alstine WG, Chilcoat C, Gross and microscopic lesion in a llama with polioencephalomalacia. *J Zoo Wildl Dis* 34: 309-313, 2003.
40. Kiupel M, Simmons HA, Fitzgerald SD., Wise A, Sikarskie JG, Cooley TM, Hollamby SR, Maes R. West Nile Virus Infection in Eastern Fox Squirrels (*Sciurus niger*). *Vet Pathol* 40: 703-707, 2003.
41. Sakamoto K, Kiupel M, Frank N, March PA. Vertebral malformation, syringomyelia and ventricular septal defect in a dromedary camel (*Camelus dromedarius*). *J Vet Diagn Invest* 16: 337-340, 2004.
42. Hoenerhoff MJ, Sikarskie J, Bolin C, Simmons H, Fitzgerald S, Kiupel M. Mycobacteriosis in an American Bald Eagle (*Haliaeetus leucocephalus*) *Avian Dis* 48: 437-441, 2004.
43. Kiupel M, Webster JD, Kaneene JB, Miller RA, Yuzbasiyan-Gurkan V. The Use of KIT and Tryptase Expression Patterns as Prognostic Tools for Canine Cutaneous Mast Cell Tumors. *Vet Pathol* 41: 371-377, 2004.
44. Hoenerhoff MJ, Kiupel M, Rosenstein D, Pool RR. Multipotential Osteosarcoma with Various Mesenchymal Differentiation in a young Old Dog. *Vet pathol* 41: 264-268, 2004.
45. Peterson RA, Kiupel M, Bielinska M, Capen CC Wilson DB. Transcription Factor GATA-4 is a Marker of Anaplasia in Adrenocortical Neoplasms of the Domestic Ferret (*Mustela putorius furo*) *Vet pathol* 41:446-449, 2004.
46. Hoenerhoff MJ, Kiupel M. Concurrent Gastrinoma and Somatostatinoma in a 10-year-old Portuguese Water Dog. *J Comp Pathol* 130: 313-318, 2004.
47. Kiupel M, Wise A, Bolin S, Walker P, Marshall T, Maes R. Malignant Catarrhal Fever in Reindeer. Proceedings 5th EAZWV meeting, pp. 73-78, Denmark, May, 2004.
48. MontianiFerreira F, Kiupel M, PetersenJones S. Spontaneous laquer crack lesions in the retinopathy, globe enlarged (RGE) chick. *J Comp Pathol* 131: 105-111, 2004.
49. Soldati S, Kiupel M, Wise A, Maes R, Botteron C, Robert N. Meningoencephalomyelitis Caused by *Neospora caninum* in a Juvenile Fallow Deer (*Dama dama*). *J Vet Med A* 51: 280-283, 2004.
50. MontianiFerreira F, Fischer A, Cernuda-Cernuda R, Kiupel M, DeGrip WJ, Sherry D, Cho SS, Shaw G, Evans M, Hocking P, PetersenJones S. Detailed histopathologic characterization of the retinopathy, globe enlarged (rge) chick phenotype. *Mol Vis* 11: 11-27, 2005.
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12. Kiupel M*, Malignant lymphoma in a ferret. 21st Meeting of the Midwest Association of Veterinary Pathologists. Peoria, IL, August 2002.
13. Boulineau T*, DiBernadi L, Janovitz EB, Kiupel M, Lin TL, Histiocytic Sarcoma in a Bernese Mountain Dog. 21st Meeting of the Midwest Association of Veterinary Pathologists. Peoria, IL, August 2002.
14. Hoenerhoff M*, Kiupel M, Cutaneous cryptococcosis in a cat. 21st Meeting of the Midwest Association of Veterinary Pathologists. Peoria, IL, August 2002.
15. Crowdis K, Kiupel M*, Scott M, Compound odontoma in a horse. 21st Meeting of the Midwest Association of Veterinary Pathologists. Peoria, IL, August 2002.
16. MontianiFerreira F*, Kiupel M, Hocking PM, Li T, Howland HC, PetersenJones S. Characterization of the RGE phenotype in *Gallus gallus*. PhiZeta Day, East Lansing, MI, October, 2002.
17. Specht A*, Kruger J, Fitzgerald S, Kiupel M. Light Microscopic Features of Chronic Feline Interstitial Cystitis. PhiZeta Day, East Lansing, MI, October, 2002.
18. Roberts JF*, Harrison LR, Vickers ML, Sells SF, Kiupel M, Donahue JM. West Nile virus infection in horses and wild birds of Kentucky. Advances in Diagnostic Pathology seminar, Lexington, KY, February 2003.
19. †Kiupel M*. Chronic wasting Disease. Michigan Mosquito Control Association, Lansing, MI, February, 2003.
20. Flaherty H*, Rosenstein D, Stefficek B, Thomas J, Kiupel M, Specht A. Malignant histiocytosis in a Rottweiler dog. 22nd Meeting of the Midwest Association of Veterinary Pathologists. Carrollton, KY, August 2003.
21. MohanKumar J*, Stefficek B, Kiupel M. Ganglioneuroma in the tongue of a dog. 22nd Meeting of the Midwest Association of Veterinary Pathologists. Carrollton, KY, August 2003.
22. Webster J*, Kiupel M, Kennedy F. Chondroid chordoma in a ferret. 22nd Meeting of the Midwest Association of Veterinary Pathologists. Carrollton, KY, August 2003.
23. Kiupel M*, Peterson RA, Capen CC. Adrenalcortical carcinoma with myxoid differentiation in a ferret. 22nd Meeting of the Midwest Association of Veterinary Pathologists. Carrollton, KY, August 2003.
24. Rehagen D*, Kiupel M, Einum P, Bolin C. Fowl cholera in ring-necked pheasants. 22nd Meeting of the Midwest Association of Veterinary Pathologists. Carrollton, KY, August 2003.
25. Hoenerhoff M*, Kiupel M, Bolin C, Sikarskie J. Mycobacterium avium in an American Bald eagle. 22nd Meeting of the Midwest Association of Veterinary Pathologists. Carrollton, KY, August 2003.
26. Webster JD*, Kiupel M, Kaneene JB, Miller R, Yuzbasiyan-Gurkan V. Prognostic classification of canine cutaneous mast cell tumors based on location, depth and staining patterns of KIT and tryptase. PhiZeta Day, East Lansing, MI, October, 2003.
27. Sila GH*, Wise AG, Grooms D, Kiupel M, Hanson L, Maes R. Bovine torovirus (Breda virus) infections in Michigan and Wisconsin dairy calves. PhiZeta Day, East Lansing, MI, October, 2003.
28. †Kiupel M*. Transmissible Spongiform Encephalopathies. Guest seminar at Hope College, Hooland, MI, November, 2003.
29. †Kiupel M*. Diagnostic Immunohistochemistry: Its cost effectiveness and benefits for the veterinary practitioner. Michigan Veterinary Conference, Lansing, MI, January, 2004.

30. Webster JD*, Rehagen D, Kiupel M. Carcinosarcoma in a cat, 23rd Meeting of the Midwest Association of Veterinary Pathologists., Augusta, MI, August 2004.
31. McKnight C*, Steficek B, Grzanowski A, Chadwick V, Kiupel M. Chondroblastic osteosarcomas in spiny monitor lizards (*Varanus acanthurus*). 23rd Meeting of the Midwest Association of Veterinary Pathologists., Augusta, MI, August 2004.
32. Kiupel M*, Gustafson N. Recurrence of a canine cutaneous mast cell tumor at a radiation site. 23rd Meeting of the Midwest Association of Veterinary Pathologists., Augusta, MI, August 2004.
33. Jones Y*, Kiupel M, Wise A, Maes R. Pelioid Hepatocellular Carcinoma in the domesticated ferret (*Mustela putorius furo*). 23rd Meeting of the Midwest Association of Veterinary Pathologists., Augusta, MI, August 2004.
34. Jones Y*, Rumbelha W, Kiupel M. Hypocalcemia of Hypovitaminosis D in Mature and Immature Pigs. PhiZeta Day, East Lansing, MI, October, 2004.
35. Flaherty, H, Swenson, CL, Thomas J, Fitzgerald SD, Kiupel M, Harrison TM, Kitchell B, Sikarskie J. Malignant lymphoma in a lion. 23rd Meeting of the Midwest Association of Veterinary Pathologists., Augusta, MI, August 2004.
36. Thomas, J*, Kiupel M, Mekler, A. Hepatic carcinoid in a dog. 23rd Meeting of the Midwest Association of Veterinary Pathologists., Augusta, MI, August 2004.
37. Webster JD*, Kiupel M, Resau J, Miller RA, Kaneene JB, Yuzbasiyan-Gurkan V. Correlation between KIT expression patterns and presence of mutations in the c-kit proto-oncogene. PhiZeta Day, East Lansing, MI, October, 2004.
38. †Kiupel M*, †Scott M*. Cytologic and Histologic Challenges of Canine Round Cell Tumors: What's Old and What's New? Michigan Veterinary Conference, Lansing, MI, January, 2005.
39. Garner MM, Ramsell K, Sidor IF, Schoemaker NJ, Nordhausen RW, Kiupel M*. Disseminated idiopathic myositis in the ferret. 24th Meeting of the Midwest Association of Veterinary Pathologists., Madison, WI, August 2004.
40. Kedsangakonwut S, Kiupel M*. Amyloidosis in a leopard cat. 24th Meeting of the Midwest Association of Veterinary Pathologists., Madison, WI, August 2005.
41. Smedley RC*, Fulton R, Kiupel M, Concurrent pigeon circovirus and adenovirus infection in a pigeon. 24th Meeting of the Midwest Association of Veterinary Pathologists., Madison, WI, August 2005.
42. Danieu P*, Kiupel M. Verminous pneumonia in a cat. 24th Meeting of the Midwest Association of Veterinary Pathologists., Madison, WI, August 2005.
43. McKnight CA*, Kiupel M, Protozoal dermatitis in a dog. 24th Meeting of the Midwest Association of Veterinary Pathologists., Madison, WI, August 2005.
44. Rehagen D*, Kiupel M, Steficek B, Mullaney T, Newman P. Concurrent intestinal mast cell tumor and spindle cell sarcoma in a cat. 24th Meeting of the Midwest Association of Veterinary Pathologists., Madison, WI, August 2005.
45. Thompson J*, Kruger J, Pfent C, Wise A, Maes R, Fitzgerald S, Kiupel M. Feline Calicivirus-induced urinary tract disease in specific-pathogen-free cats. PhiZeta Day, East Lansing, MI, October, 2005.
46. Pfent C*, Kruger J, Thompson J, Wise A, Maes R, Fitzgerald S, Kiupel M. Virus shedding and tissue distribution patterns of two feline calicivirus strains. PhiZeta Day, East Lansing, MI, October, 2005.
47. Danieu PK*, Anderson BC, Maes R, Bolin CA, Kiupel MK. "Sticky kits" syndrome in mink. PhiZeta Day, East Lansing, MI, October, 2005.
48. Smedley*1RC, Patterson JS, Miller R, Massey JP, M. Kiupel M. Sensitivity and specificity of monoclonal and polyclonal immunohistochemical staining for West Nile virus in various organs from American crows (*Corvus brachyrhynchus*). PhiZeta Day, East Lansing, MI, October, 2005.
49. J. Webster, V. Yuzbasiyan-Gurkan, J. Kaneene, R. Miller, M. Kiupel. Prognostic markers for canine cutaneous mast cell tumors. PhiZeta Day, East Lansing, MI, October, 2005.
50. †Kiupel M*. An Update on Rickettsial Diseases: Q-fever, an emerging or re-emerging zoonosis? The threat of introducing Heartwater disease to the american mainland. Michigan Veterinary Conference, Lansing, MI, January, 2006.
51. Rehagen D*, Kiupel M, Mullaney T. Gallbladderinfarction in a Fox terrier. 25th Meeting of the Midwest Association of Veterinary Pathologists., Lansing, MI, August 2006.
52. Kiupel M, Wise AG, Maes R. Epizootic catarrhal enteritis in a ferret. 25th Meeting of the Midwest Association of Veterinary Pathologists., Lansing, MI, August 2006.
53. Clark AK, Kruger JM, Pfent CP, Strom PR, Thompson J, Wise AG, Maes RK, Fitzgerald SD, Kiupel M. RT-PCR analysis of infection with urinary and respiratory strains of feline calicivirus. PhiZeta Day, East Lansing, MI, October, 2006.
54. Hayes S, Yuzbasiyan-Gurkan V, Gregory-Bryson E, Bartlett E, Kiupel M. Classification of Canine Nonlymphoid Intestinal Mesenchymal Tumors. PhiZeta Day, East Lansing, MI, October, 2006.
55. Pfent CM, Wise AG, Maes RK, Kiupel M. Development of a diagnostic algorithm to differentiate intestinal lymphoma from inflammatory bowel disease. PhiZeta Day, East Lansing, MI, October, 2006.
56. Strom PR, Kruger JM, Pfent CP, Clark AK, Thompson J, Fitzgerald SD, Wise AG, Kiupel M, Maes RK. Feline calicivirus-induced urinary disease in specific-pathogen-free cats. PhiZeta Day, East Lansing, MI, October,

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57. Sledge D, Wise A, Maes R, Kiupel M. FIP-like corona virus associated pyogranulomatous pneumonia in a ferret. Southeastern Vet Pathol Conf, Tifton, GA. May 2007.
 58. Kiupel M, Montali RJ. Distemper in a ferret. 26th Meeting of the Midwest Association of Veterinary Pathologists, Indianapolis, IN, August 2008.
 59. Thaiwong T, Kesdangsakonwut S, Kiupel M. Melioidosis in a pig. 26th Meeting of the Midwest Association of Veterinary Pathologists, Indianapolis, IN, August 2008.
 60. Seavey M, Kiupel M, Burton DL. Leptospirosis in racoons. 26th Meeting of the Midwest Association of Veterinary Pathologists, Indianapolis, IN, August 2008.
 61. Smedley RC, Kiupel M. Pyothorax in a mink. 27th Meeting of the Midwest Association of Veterinary Pathologists., College Corner, OH, August 2008.
 62. Ritter J, Garner M, Chilton J, Jacobson E, Kiupel M (CA, S). Endocrine carcinomas in bearded dragons. PhiZeta Day, East Lansing, MI, October, 2008.
 63. Kiupel M, Sledge D, Wise AG, Maes R Garner MM. Ferret Systemic Coronavirusinfection in a ferret. 27th Meeting of the Midwest Association of Veterinary Pathologists, College Corner, OH, August 2008.
 64. Kiupel M*, Sledge D, Bolin S, Lim A. Enteric coccidiosis in ferrets. MAVP, Turkey Run, IN, Augusts, 2009.
 65. †Kiupel M*. Diagnostic molecular pathology. MAVP, Turkey Run, IN, Augusts, 2009.
 66. Sledge D*, Kiupel M, Langohr I. Endophthalmitis in a rabbit. MAVP, Turkey Run, IN, Augusts, 2009.
 67. Ritter JM*, Langohr I, Kiupel M., Lymphadenitis due to *Cryptococcus neoformans* in a cat. MAVP, Turkey Run, IN, Augusts, 2009.
 68. †Kiupel M*. Diagnostic and prognostic immunohistochemistry of neoplastic diseases. Texas A&M, College Station, TX, June, 2009.
 69. Desjardin D, Kiupel M. Atypical protozoal pneumonia in a dog. MAVP, Mattawan, MI, Augusts, 2010.
 70. Kiupel M*, Desjardins D, Johnson-Delaney CA, Lim A, Bolin C, Bolin S, Garner MM. Respiratory disease in ferrets (*Mustela putorius furo*) associated with an unknown mycoplasma. MAVP, Mattawan, MI, Augusts, 2010.
 71. Sledge D, McNeil E, Madril N, Liebert M, Kiupel M. Evaluation of 15-Hydroxyprostaglandinhydrogenase and cadherin switching in canine urothelial carcinomas. PhiZeta Day, East Lansing, MI, October, 2010.
 72. Kiupel M*. Emerging diseases in ferrets. Seminar-series, MIT, Boston, MA, August, 2012.
 73. Kiupel M*. The role of pathology in molecular biology research.. Seminar-series, Weinberg Laboratory, Whitehead institute, Boston, MA, August 2012.
 74. †Kiupel*. Differentiating inflammatory bowel disease from intestinal lymphoma in cats. Saginaw Valley Veterinary Assoc, Frankenmuth, MI, March, 2013.
 75. Thaiwong T*, Sledge D, Kiupel M. Papillary squamous cell carcinoma in a dog. MAVP, Peoria, IL, August, 2013.
 76. Curtis B*, Hollinger C, Bruckner A, Riegl B, Kiupel M. Morphologic changes of dark spot disease in *Agaricia* corals. PhiZeta Day, East Lansing, MI, October, 2013.
 77. Thaiwong T, Wise AG, Maes RK, Kiupel M. Recurrent disease outbreaks with dual infection by canine parvovirus 2 (CPV-2) and canine circovirus 1 CaCV-1) in a papillon breeding colony. PhiZeta Day, East Lansing, MI, October, 2014.
 78. †Kiupel M*, Advances in Molecular Pathology: Diagnosis, Prognosis, & Therapeutic Selection. MVMA, Lansing, MI, January 2015.
 79. Magagna M*, Steficek B, Hasbach A, Thaiwong T, Sledge DG, Kiupel M. Malignant transformation within canine oral papillomavirus-associated papillomatosis in a dog. MAVP, Spencer, TN, August 2016.
 80. Kasantikul T*, Sirimanapong W, Sledge DG, Kiupel M. Nephroblastoma in a koi. MAVP, Spencer, TN, August 2016.
 81. Kumar A*, Noland E, Kiupel M, Sledge DG. Intraocular anaplastic mast cell tumor in a dog. MAVP, Spencer, TN, August 2016.
 82. Monahan C*, Barnes K, Berlinksi R, Kiupel M, Agnew D. Scirrhou type hepatocellular carcinoma in a Southern White Rhino. MAVP, Spencer, Tennessee, 2016.
 83. Huang L*. Kiupel M, Sledge D. Immunophenotyping and comparison of normal canine corneal endothelium and canine preiridal cellular membranes. Phi Zeta Day, East Lansing, MI, October 2016.
 84. Monahan C*, Garner M, Meyer A, Phair K, West G, Kiupel M. Chromatophoromas in bearded dragons. Annual Phi Zeta Research Day: MSUCVM; East Lansing, Michigan, 2016.
 85. Noland E*, Climans M, Kiupel M, Sledge DG. Canine ocular melanocytic neoplasms: morphologic and immunohistochemical evaluation. Phi Zeta Day, East Lansing, MI, October 2016.

Posters:

1. Hooser SB*, VanAlstine W, Kiupel M, Sojka J. Acute pit gas (hydrogen sulfide) poisoning in confinement cattle. Environmental Sciences and Engineering Institute Environmental Symposium. Purdue University, Lafayette, IN, September 1998
2. Isehour C*, Kiupel M, Wise A, Maes R, Development and Evaluation of Molecular Techniques for the

- Diagnosis of Epizootic Catarrhal Enteritis of Ferrets. Merck-Merieull Research Meeting, West Lafayette, IN, June 2002.
3. Isehour C*, Kiupel M, Wise A, Maes R, Development and Evaluation of Molecular Techniques for the Diagnosis of Epizootic Catarrhal Enteritis of Ferrets. PhiZeta Day, East Lansing, MI, October, 2002.
 4. Specht A*, Kruger J, Fitzgerald S, Kiupel M. Histochemical and immunohistochemical features of chronic feline interstitial cystitis. PhiZeta Day, East Lansing, MI, October, 2003.
 5. Jones KM*, Padungtod P, Kiupel M, Dawson HD, Urban JF, Mansfield LS. A swine rectal challenge model to evaluate immune responses to *Campylobacter jejuni*. PhiZeta Day, East Lansing, MI, October, 2003.
 6. Mentzer AL*, Kiupel M, Steficek BA, Render JA, Petersen-Jones SM. Clinical and histological description of cairn Terrier ocular melanosis. PhiZeta Day, East Lansing, MI, October, 2004.
 7. Neupane M*, Chang CC, Trosko JE, Kiupel M, Yuzbasiyan-Gurkan V. Isolation and Characterization of Canine Adipose- Derived Mesenchymal Stem Cells. 4th Ann Research Day, College of Human Medicine, MSU, East Lansing, May 2005.
 8. Lin MY*, Kiupel M, Yuzbasiyan-Gurkan V. Nasal tumors in dogs: evaluation as a model of human nasopharyngeal tumors. PhiZeta Day, East Lansing, MI, October, 2004.
 9. Mentzer AL*, Kiupel M, Petersen-Jones SM. Immunohistochemical analysis of ocular melanosis in the Cairn Terrier dog. PhiZeta Day, East Lansing, MI, October, 2005.
 10. Webster J*, M. Kiupel, J. Kaneene, R. Miller, V. Yuzbasiyan-Gurkan. The role of c-kit in canine cutaneous mast cell tumors. PhiZeta Day, East Lansing, MI, October, 2005.
 11. Clark AK, Kruger JM, Pfent CP, Strom PR, Thompson J, Wise AG, Maes RK, Fitzgerald SD, Kiupel M. RT-PCR analysis of infection with urinary and respiratory strains of feline calicivirus. PhiZeta Day, East Lansing, MI, October, 2005.
 12. Mulks MH, Wagner T, Kiupel M, Kirkwood R, Crawford JA. Analysis of in vivo induced genes of *Actinobacillus pleuropneumoniae*: The role of LPR in virulence. PhiZeta Day, East Lansing, MI, October, 2006.
 13. Goodall M, Neupane M, Chang CC, Kiupel M Yuzbasiyan-Gurkan V. Optimization of adipogenic differentiation of canine adipose derived mesenchymal stem cells (CAD-MSCS). PhiZeta Day, East Lansing, MI, October, 2006.
 14. Gregory-Bryson E, Bartlett E, Hayes S, Kiupel M, Yuzbasiyan-Gurkan V. The role of c-KIT in canine gastrointestinal stromal tumors. PhiZeta Day, East Lansing, MI, October, 2006.
 15. Neupane M, Chang CC, Kiupel M Yuzbasiyan-Gurkan V. Transdifferentiation of canine adipose derived mesenchymal stem cells (CAD-MSCS) into cells with neural phenotypes. PhiZeta Day, East Lansing, MI, October, 2006.
 16. Neupane M*, Chang CC, Kiupel M, Goodall M, Yuzbasiyan-Gurkan V. Canine Adipose- Derived Mesenchymal Stem Cells Can Be Induced To Express Neural markers at MRNA and Protein Levels. PhiZeta Day, East Lansing, MI, October, 2007.
 17. Neupane M, Chang CC, Kiupel M, Yuzbasiyan-Gurkan V. Evaluation of Multipotency of Canine Mesenchymal Stem Cells. PhiZeta Day, East Lansing, MI, October, 2007.
 18. Tuddow T, Kiupel M, Yuzbasiyan-Gurkan V. Functional analysis of c-kit mutations using expression constructs in transfected canine fibroblast cell lines. PhiZeta Day, East Lansing, MI, October, 2007.
 19. Sargurunathan S, Kirkwood R, Kiupel M, Mulks M. Limitation of branched chain amino acids in porcine pulmonary epithelial lining fluid is a signal for the regulation of virulence-associated genes in *Actinobacillus pleuropneumoniae*. PhiZeta Day, East Lansing, MI, October, 2007
 20. Pennick K, Patterson J, Gregory C, Latimer K, Maes R, Kiupel M. Sensitivity and Specificity of Automated in situ Hybridization and Immunohistochemistry for Eastern Equine Encephalomyelitis Virus in Formalin Fixed, paraffin Embedded Brain Tissue of Horses. Phi Zeta Research Day, East Lansing, MI, October, 2007.
 21. Mulks MH*, Marsh TL, Lowe B, Kirkwood R, Kiupel M, Chancellor S, LeVeque R, Subashchandrabose S. Microbial ecology of the porcine tonsils. Abstr. 15th Midwest Microbial Pathogenesis Conference, Madison WI, September 2008.
 22. Perpich J, Kiupel M (CA, S), Agnew D. Immunohistochemical characterization of cecal neoplasms in pheasants. PhiZeta Day, East Lansing, MI, October, 2008.
 23. Thaiwong T, Kiupel M, Yuzbasiyan-Gurkan V. Transformation of canine primary fibroblasts by expression of mutant c-kit. PhiZeta Day, East Lansing, MI, October, 2008.
 24. Lamoureux J, Smedley R, Sledge D, Kiupel M. Diagnosis of amelanotic canine oral melanomas using immunohistochemistry. PhiZeta Day, East Lansing, MI, October, 2009.
 25. Tuddow T, Kiupel M, Yuzbasiyan-Gurkan V. Cellular Phenotype of Primary Canine Fibroblasts Induced to Express Normal and Mutant c-KIT Isoforms. PhiZeta Day, East Lansing, MI, October, 2009.
 26. Fritz J, Gary J, Kiupel M, Langohr I. Development of an animal model for Staphylococcal enterotoxigenesis. PhiZeta Day, East Lansing, MI, October, 2010.
 27. Gregory-Bryson E, Bartlett E, Kiupel M, Hayes S, Yuzbasiyan-Gurkan V. Dog and human gastrointestinal stromal tumors share mutations in c-KIT exon 11 but not in PDGFRA. PhiZeta Day, East Lansing, MI, October, 2010.
 28. Piazza A, Thaiwong T, Kiupel M, Yuzbasiyan-Gurkan V. Expression of c-KIT in histiocytic sarcomas. PhiZeta

- Day, East Lansing, MI, October, 2010.
29. Tuddow T, Kiupel M, Yuzbasiyan-Gurkan V. Inhibitory effect of different tyrosine kinase inhibitors on cell growth in an invitro c-KIT driven tumor transformation model. PhiZeta Day, East Lansing, MI, October, 2010.
 30. Komine M, Langohr IM, Kiupel M. Friesian Horses Have High Incidence of Severe Esophageal Disease Associated with Muscular Hypertrophy and Hyperplasia of the Caudal Esophagus. PhiZeta Day, East Lansing, MI, October, 2012.
 31. Gregory-Bryson E, Parys M, Kiupel M, Yuzbasiyan-Gurkan V. Histiocytic diseases: Using microRNAs to unravel mechanisms of tumorigenesis. PhiZeta Day, East Lansing, MI, October, 2012.
 32. Parys M, Kiupel M, Yuzbasiyan-Gurkan V. Isolation and propagation of neural progenitor cells from canine brain. PhiZeta Day, East Lansing, MI, October, 2012
 33. Thaiwong T, Kiupel, M, Yuzbasiyan-Gurkan V. Expression of mutant c-Kit isoforms in fibroblasts. PhiZeta Day, East Lansing, MI, October, 2012
 34. Collins-Webb A, Thaiwong T, Wu C, Yusbasiyan-Gurkan V, Kiupel M. Prognostic significance of activating mutations in exon 8 of c-KIT in canine mast cell tumors. PhiZeta Day, East Lansing, MI, October, 2013.
 35. Gregory-Bryson E, Kiupel M, Parys M, Yuzbasiyan-Gurkan. Effects of inhibition of upregulated microRNAs in canine histiocytic sarcoma. PhiZeta Day, East Lansing, MI, October, 2013.
 36. Takada M, Dervis NG, Kiupel M, Yuzbasiyan-Gurkan. Identification of novel small molecules targeting canine histiocytic sarcoma. PhiZeta Day, East Lansing, MI, October, 2013.
 37. Singer L, Kruger J, Fitzgerald SD, Kiupel, M. Urothelial expression of cyclooxygenases and lipoxygenase in healthy cats and cats with lower urinary tract disease. PhiZeta Day, East Lansing, MI, October, 2013.
 38. Curtis B, Hollinger C, Bruckner A, Riegl B, Kiupel M. A standardized approach to processing of scleractinian corals for microscopic examination. PhiZeta Day, East Lansing, MI, October, 2013
 39. Catlin T, Collins-Webb A, Wu C, Kiupel M. Prognostic significance of activating mutations in exon 8 of c-KIT in canine mast cell tumors. PhiZeta Day, East Lansing, MI, October, 2014.
 40. Curtis B, Andrews C, Bolin C, Buchweitz J, Werner N, Kiupel M. Use of MALDI-TOF MS for predicting response to CHOP chemotherapy of canine diffuse large B-cell lymphoma. PhiZeta Day, East Lansing, MI, October, 2014.
 41. Takada M, Parys M, Gregory-Bryson E, Kiupel M, Yuzbasiyan-Gurkan V. A novel histiocytic sarcoma cell line allows the identification of potent cytotoxic agents with therapeutic potential for dogs with histiocytic sarcoma. PhiZeta Day, East Lansing, MI, October, 2014.

Funded Research:

1. Mittal SK, Stevenson GW, Kanitz CL, Kiupel M. Significance of Circoviral Infection in Indiana Swine Herds. Indiana's Value Added Grant Program, Purdue University, 1998 – 1999, \$48,220.
2. Kiupel M, Stefficeck B. Prognostic Factors for Canine Cutaneous Mast Cell Tumors. Companion Animal Fund, 2001- 2003, \$24,164.80.
3. Peterson-Jones SM, Montiani-Ferreira F, Kiupel M, Chen HH. Elucidation of the rge chicken defect and mapping of the causal gene locus. MSU Genetic Research Fund 2002- 2003, \$24,950.00.
4. Maes R, Kiupel M, Wise A. A novel Coronavirus infection of ferrets: Development of diagnostic test kits and a vaccine testing model. Michigan Universities Commercialization Initiative Challenge Fund 2002 – 2004, \$30,000.
5. Merck-Merial Scholars Summer Research Program 2002, Reproduction of ECE in ferrets, Summer 2002, \$2,000.
6. Kiupel M, Reed, W., Patterson J. USDA, Contract for TSE testing. 2002-2004, \$375,000.
7. Kiupel M, Reed W., Patterson J. Contract for Surveillance of Chronic Wasting Disease in wild deer in Michigan. Michigan Department of Natural Resources, 2002- 2003, \$96,000.
8. Kiupel M, Reed W, Patterson J. Contract for Surveillance of Chronic Wasting Disease in farmed deer in Michigan. Michigan Department of Agriculture 2002- 2003, \$36,000.
9. Kiupel M, Patrick D, Fitzgerald S. Development of a Classification System for Canine Proliferative Urothelial Lesions to Evaluate their Biological Behavior. Companion Animal Fund, 2002-2004, \$14,410.
10. Kiupel M, Capacity Building Grant, Michigan State University Foundation, 2001-2003, \$40,000.
11. Maes R, Kiupel M, Wise A. Onset of the immune response against FECV in naturally exposed ferrets using baculovirus expressed capsid protein Companion Animal Fund, 2002-2003, \$12,000.
12. Kruger J, Specht A, Fitzgerald S, Kiupel M. Light Microscopic Features of Chronic Feline Interstitial Cystitis. Companion Animal Fund, 2002-2004, \$17,173.
13. Maes R, Kiupel M. Development of Molecular Diagnostic Tools for the Detection of ferret Enteric corona-Virus (FECV). Marshall Farms, 2003-2004, \$47,500.
14. Kruger J, Specht A, Fitzgerald S, Kiupel M. Light Microscopic Features of Chronic Feline Interstitial Cystitis. AAHA Foundation, 2002-2003, \$6,742.
15. Kiupel M, Reed W. Contract for Validation of IHC for Chronic Wasting Disease in white-tailed deer on the Dako autostainer. National Veterinary Service Laboratory and Dako Cytomation, 2003- 2004, \$40,000.
16. Kiupel M, Reed W. Contract for Validation of IHC for Scrapie and West Nile Virus on the Ventana Benchmark

- system. Ventana Medical Systems, 2003- 2004, \$80,000.
17. NIH T-35 Training Grant, Summer Student Research Program 2003, Viruses associated with diarrhea in cattle. Summer 2003, \$550.
 18. Haslam S, Kiupel M, Yuzbasiyan-Gurkan V, Gallo K. Role of Stroma in Mammary Cell Proliferation. NIH, 2003-2008, \$1,671,975.
 19. Peterson Jones S, Kiupel M, Burton J. Gene Therapy in a Canine Model of Autosomal Recessive RP. NIH, 2003-2008, 1,759,850.
 20. Kiupel M, Reed W, Patterson J. Contract for Surveillance of Chronic Wasting Disease in farmed deer in Michigan. Michigan Department of Agriculture 2003- 2004, \$50,000
 21. Kiupel M, Ventana Medical Systems IHC/In-Situ Laboratory Award. 2003-2005, \$ 3,000.
 22. Kiupel M, Webster J, Yuzbasiyan-Gurkan V, Kaneene J, Resau J. Prevalence and prognostic significance of c-kit mutations and KIT expression patterns in canine cutaneous mast cell tumors. Companion Animal Fund, 2003-2004, \$24,951.00.
 23. Fitzgerald S, Kiupel M, Emerging and Exotic Diseases of Animals (EEDA) internet-based course. USDA, 2003-2004, \$4,000.00.
 24. Kruger J, Maes R, Kaneene J, Fitzgerald S, Kiupel M, Wise A. Feline Idiopathic Cystitis: Investigating the causative role of feline calicivirus. Morris Animal Foundation, 2003- 2006, \$151,057.00.
 25. Mulks M, Arvidson C, Arvidson D, Bagdasarian M, Breznak J, Britton R, Brubaker R, Cole J, Davies HD, Grooms D, Hausinger R, He SY, Holzman C, Huebner M, Kiupel M, Linz J, Mansfield L, Marsh T, Melfi V, Schmidt T, Sordillo L, Sundin G, Walker E, Wedemeyer W, Whittam T, Younget V. Michigan State University Research Excellence Fund, Center for Microbial Pathogenesis, 2004-2009, \$1,500,000.
 26. Kiupel M, Reed, W. USDA, Contract for TSE testing. 2004-2005, \$250,000.
 27. Kiupel M, Reed W. Contract for Surveillance of Chronic Wasting Disease in farmed deer in Michigan. Michigan Department of Agriculture 2004- 2005, \$50,000
 28. Fitzgerald S, Kiupel M, Emerging and Exotic Diseases of Animals (EEDA) internet-based course. USDA, 2004-2005, \$4,000.00.
 29. Peterson Jones S, Kiupel M. Histopathological Description of the Ocular Melanosis Phenotype and Mapping of the Causal Gene Defect. MSU Companion Animal Fund 2004- 2005, \$25,000.00.
 30. Peterson Jones S, Kiupel M. Further Characterization of the rge Chicken Retinal Dystrophy Model. MSU Genetic Research Fund 2004- 2005, \$25,000.00.
 31. Townsend WM, Wise A, Maes R, Kruger JM, Kiupel M. FHV-1 Latency in a Natural Host Model: Molecular pathology of acute FHV-1 infection within ocular and nervous tissue. Companion Animal Fund 2004- 2005, \$25,000.00.
 32. Kiupel M. Contract: Immunohistochemical Testing. MedImmune, 2005-2008, \$100,000.00.
 33. Coussens P, Kiupel, William D. Immune modulation in bovine paratuberculosis: Macrophage-T cell interactions. USDA, 2005-2008, \$499,930.00.
 34. Munday J, Thompson K, Isaacs R, West D, Kiupel M. Assessment of the suitability of spontaneous sheep intestinal adenocarcinoma as a model of human colorectal cancer. The McGeorge Fund, Massey University, Australia, 2005-2006, \$5,800.00.
 35. Fitzgerald S, Kiupel M, Emerging and Exotic Diseases of Animals (EEDA) internet-based course. USDA, 2005-2006, \$4,000.00.
 36. Neupane M, Yuzbasiyan-Gurkan V, Kiupel M, Chang CC. Isolation and Characterization of Adult Canine Mesenchymal Stem Cells. Companion Animal Fund 2005- 2006, \$25,000.00.
 37. Kiupel M. Contract: Immunohistochemical Testing. MPI, 2005-2010, \$500,000.00.
 38. Kiupel M. Research support gift. International Ferret Congress, 2005, \$1,000.
 39. Kiupel M, Reed, W. USDA, Contract for TSE testing. 2005-2006, \$250,000.
 40. Kiupel M, Reed W. Contract for Surveillance of Chronic Wasting Disease in farmed deer in Michigan. Michigan Department of Agriculture 2005- 2006, \$50,000
 41. Kiupel M. Ventana Travel Support. 2005, \$1,000.
 42. Kitchell BE, Kiupel M, Yuzbasiyan-Gurkan V, Warzee CC. Translational Model of Low Dose Metronomic Antiangiogenic Therapy in Canine Spontaneous Tumors. MSU Cancer White Paper Proposal, 2005- 2006, \$53,080.00.
 43. Kiupel M, Wise A, Kitchell B, Maes R. Development of a diagnostic test panel to differentiate feline intestinal lymphoma from inflammatory bowel disease on surgical biopsies using IHC and PCR for clonality determination. CAF 2006-2007, \$24,833.52.
 44. Kiupel M, Yuzbasiyan-Gurkan V. Berner Garde Tissue and DNA Repository Center of America (GTCA). Berner Garde Foundation. 2006-2009, \$31,960.
 45. Kiupel M, Reed, W. USDA, Contract for TSE testing. 2006-2007, \$250,000.
 46. Kiupel M, Reed W. Contract for Surveillance of Chronic Wasting Disease in farmed deer in Michigan. Michigan Department of Agriculture 2006- 2007, \$50,000
 47. Fitzgerald S, Kiupel M, Emerging and Exotic Diseases of Animals (EEDA) internet-based course. USDA, 2006-2007, \$4,000.00.

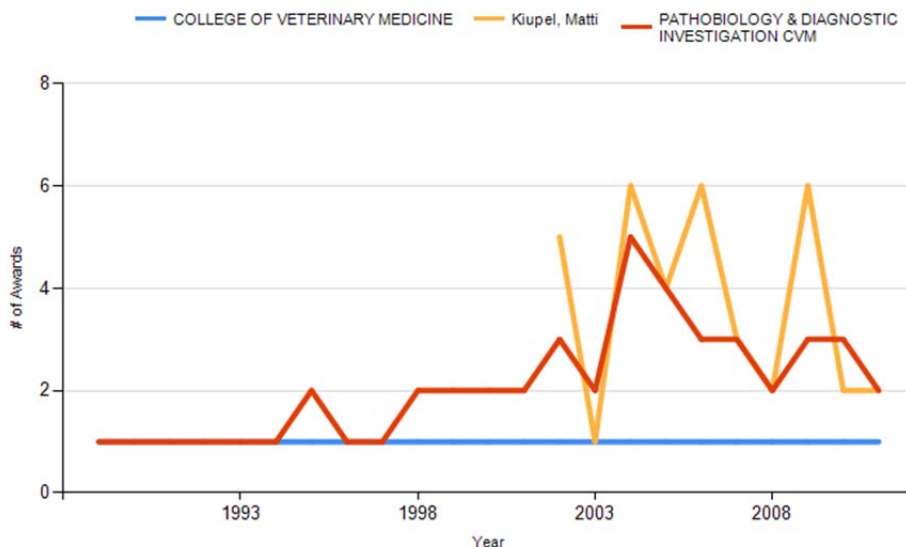
48. Kiupel M, Bolin C, Bursian S. Development of an Animal Model for Staphylococcal Enterotoxigenesis. Center for Microbial Pathogenesis, 2006-2007, \$15,000.
49. Plaut KI, Vandehaar M, Kiupel M. The stromal effect; remodeling and the effect of transforming growth factor beta TGF-B on the mammary gland during dry periods. USDA 2006-2009, \$399,426.
50. Maes R, Kiupel M, Wise A. Molecular characterization of a novel coronavirus associated with a FIP-like disease in ferrets. CAF 2007-2008, \$17,603.00.
51. Kiupel M, Wiese D. Preliminary Evaluation of Oct-4 Expression in Archived Paraffin-Embedded Blocks of Human Prostatic Adenocarcinoma. Cowham Trust Fund, 2007-2008, \$3,300.
52. Fitzgerald S, Kiupel M, Emerging and Exotic Diseases of Animals (EEDA) internet-based course. USDA, 2007-2008, \$4,000.00.
53. Kiupel M, Reed, W. USDA, Contract for TSE testing. 2007-2008, \$250,000.
54. McNeil E, Kiupel M. DNA mismatch repair and microsatellite instability in bladder. CAF 2007-2008, \$23,985.
55. Kiupel M. Pathology Core Laboratory. Comparative Oncology Trial Consortium. NCI, 2008-2013, open.
56. Kiupel M. Immunohistochemistry Core Laboratory. Comparative Oncology Trial Consortium. NCI, 2008-2013, open.
57. Dervisis, N, Kiupel M, Kitchell, BE, Yuzbasiyan-Gurkan V. Evaluation of intrinsic and acquired chemoresistance in canine histiocytic sarcoma. Morris Animal Foundation, 2008- 2010, \$99,079.00.
58. Thaiwong T, Kiupel M, Sorenmo K, Thamm D, Kirpenstein J, Yuzbasiyan-Gurkan V. Prognostic factor for the treatment of canine cutaneous mast cell tumors. Companion Animal Fund, 2008- 2009, \$24,993.00.
59. Kiupel M. USDA, Contract for TSE testing. 2008-2009, \$250,000.
60. Driver T, Kiupel M, Wise A, Swenson C. Validation of Cytologic Diagnostic Methods for Prognostication of Mast Cell Tumors in Dogs. Companion Animal Fund, 2008- 2009, \$23,816.00.
61. Fitzgerald S, Kiupel M, Emerging and Exotic Diseases of Animals (EEDA) internet-based course. USDA, 2008-2009, \$4,000.00.
62. Bergin I, Kiupel M, Smedley R. Outcome evaluation and prognostic indicators in canine melanoma. Companion Animal Fund, 2008- 2009, \$24,350.00.
63. Thaiwong T, Kiupel M, Yuzbasiyan-Gurkan V. Expression and functional significance of canine primary fibroblasts by expression mutant c-KIT. Companion Animal Fund, 2008- 2009, \$24,990.00.
64. McNeil E, Kiupel M, Dervisis NG, Kitchell BE. Collection of blood, lymph node and urine samples from target and non target breed dogs with multi-centric B cell lymphoma for genomic analysis. Pfizer Animal Health, 2008-2010, \$22,248.00
65. Coussens P, Kiupel, William D. Regulatory T Cells in Bovine Paratuberculosis. USDA, 2009-2012, \$375,000.00.
66. Kiupel M. USDA, Contract for TSE testing. 2009-2010, \$250,000.
67. Kiupel M, Yuzbasiyan-Gurkan V. Berner Garde Tissue and DNA Repository Center of America (GTCA). Berner Garde Foundation. 2009-2011, \$131,960.
68. Kiupel M. Evaluation of NHS-IL12-IL2 and. NHS-IL12 Fusion Proteins in Tumor-Bearing Dogs. COTC PD Core Laboratory 2009-2010, \$28,288
69. Fitzgerald S, Kiupel M, Emerging and Exotic Diseases of Animals (EEDA) internet-based course. USDA, 2009-2010, \$4,000.00.
70. Kiupel M. Anatomic and Clinical Pathology PhD Dissertation Research Training Program. ACVP/STP Coalition. 2009-2012, \$196,074.
71. Kiupel M. Veterinary Pathology Fellowship Program. Shering Plough, 2009, \$15,000.
72. Kiupel M. USDA, Contract for TSE testing. 2010-2011, \$250,000.
73. Yuzbasiyan-Gurkan, V ; Kitchell, B, Kiupel M. Canine Hereditary Cancer Consortium: From Bark to Bedside. NIH 2010-2013, \$304,260.
74. McNeil E, Berger, K, Nelson, N, Ballegeer, E, Kiupel M, Dervisis NGJ. Effects of anti-angiogenic therapy in feline oral squamous cell carcinoma. Morris Animal Foundation, 2010-2013, \$116,503.00.
75. Kiupel M. Morphologic Evaluation of Coral Diseases. Khaled Bin Sultan Living Oceans Foundation, 2012- 2013, \$9,900.
76. Kiupel M, Yuzbasiyan-Gurkan V. Berner Garde Tissue and DNA Repository Center of America (GTCA). Berner Garde Foundation. 2011-2013, \$131,960.
77. Langohr I, Kiupel, M. Characterization of retinal alterations in rabbits with induced retinal detachment. 3T Ophthalmics, 2012 – 2013, \$17,500.
78. Kruger J, Singer L, Sordillo L, Kiupel M. Characterization of Urothelial Eicosanoid Expression in Cats with Idiopathic Cystitis. MI Animal Health Foundation, 2013 – 2015. \$10,000.
79. Langohr I, Kiupel, M. Immunohistochemistry of rat tissues with subcutaneous implants. Medtronic Inc, 2012 – 2013, \$9,780.
80. Basson M, Kiupel M. Schlafen mediation of intestinal adaptation. NIH, 2012 – 2017, \$1,893,582.
81. Langohr I, Kiupel, M. Retinal Ganglion Cell Quantification in Rats with Glaucoma. Biological testing center, 2012 –2012, \$30,000.
82. Wood B, Kiupel M. Detection of infrared-biomarkers for the diagnosis and treatment of canine neoplasia. ARC 2012-2015, \$620,202.

83. Bumpers H, Kiupel M, Basson, M, Katkooi V, Huebner M. Effects of NefM-1 peptide on primary and metastatic colorectal cancer xenografts. NIH 2013-2015, \$413,275.
84. Kiupel M, Smedley RC. Predicting the therapeutic response of dogs with oral melanocytic neoplasms on routine biopsy samples for accurate selection of treatment. Michigan Animal Health Foundation. 2013-2014, \$9,600.
85. Kiupel M, Yuzbasiyan-Gurkan V. Berner Garde Tissue and DNA Repository Center of America (GTCA). Berner Garde Foundation. 2013-2016, \$115,750.
86. Hussey G, Kiupel M. Generation of tetramers for studying cellular immunity to EHV-1. CVM Endowed Research Fund. 2013-2014, \$11,466.
87. Shapiro E, Kiupel M, Gallo K. MRI of magnetically labeled immune/stem cells for early tumor detection. NIH 2014-2016. 433,328.
88. Kiupel M. Influenza infection in ferrets. Lovelace Respiratory Research Institute. 2016, \$1,625.
89. Yuzbasiyan-Gurkan V, Kiupel M. Histiocytic Sarcoma in Bernese Mountain Dogs: Novel Approaches to Treatment. Berner Garde. 2015-2016, \$43,661.
90. Contreras A, Kupel M. Impact of periparturient adipose tissue remodeling on adipocyte insulin sensitivity. USDA, 2016-2017, \$490,499.
91. Xiao H, Kiupel M. Molecular mechanisms underlying gender disparity of hepatocellular carcinoma. NIH 2016-2021, \$1,867,890.
92. Kiupel M, Maes R, Thaiwong T. Canine Circovirus: An Emerging Systemic Infection of Dogs. Companion Animal Fund, 2016-2017, \$12,756.
93. Schott H, Kiupel M. Comparison of hair follicle histology between aged horses with pituitary pars intermedia dysfunction and hypertrichosis, aged healthy horses, and young healthy horses with an immunohistochemical investigation into the mechanism of hypertrichosis. Am Coll Vet Derm, 2016-2017, \$19,846.

Summary of extramural funding without contracts 07/01/2001– 07/01/2012:

Total Award Amount	Total First Year Amount Requested	Full Program Amount Requested	Award Count	Proposal Count
\$4,568,984.42	\$10,933,922.95	\$27,787,153.53	31	76

PI Performance by Number of Awarded Grants per PI Standardized Against the College of Meterinary Medicine



Invention Record: Disclosures, Licenses, Patents:

1. Stevenson GW, Kanitz CL, Mittal SK and Kiupel M. Unique continuous cell line, reference polyclonal sera and field virus isolates of porcine circovirus and/or circovirus-like virus. P-98034.00.U.S., 1998.
2. Mittal SK, Stevenson GW, Choi J, Kiupel M and Kanitz CL. Sequence Analyses of Field Isolates of Porcine Circovirus Involved either in postweaning Multisystemic Wasting Syndrome or Congenital Tremors. P-99084.00.U.S., 1999.
3. Maes R, Kiupel M, Wise A. Epizootic catarrhal enteritis (ECE) prevention, treatment and diagnosis. Invention-Disclosure-No. 02-009

Editorial Activities:

Veterinary Pathology, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013 (editorial board since 2003, associate book editor 2006-2007, associate editor for oncology since 2007)
 Journal of Veterinary Diagnostic Investigations, 2000, 2002, 2003, 2004, 2005, 2006, 2007, 2010
 Journal of Clinical Microbiology, 2001, 2002
 Journal of Wildlife Diseases, 2001, 2003
 Veterinary Parasitology, 2002, 2003, 2004
 Journal of Veterinary Internal Medicine, 2004, 2005, 2007

Administrative & Committee Participation:

Departmental

DCPAH head of the histology and immunohistochemistry laboratory 2002-present
 DCPAH anatomic pathology section chief 2007-present
 DCPAH Pathologist QA/QC, 2002, 2004, 2006, 2008, 2011, 2014
 PDI Ad Hoc Committee to Review Residency Program, 2002, 2009
 PDI Residency Program Committee, 2002-present
 PDI Graduate Studies Committee, 2002-2006, 2007-2011, Chair 2008-2011
 PDI Faculty Advisory Committee, 2009-2013
 PDI Peer Review Committee, 2013-present

PDI/NCI liaison, 2003-present
DCPAH Empowerment Leadership Program, 2004-2008
DCPAH Empowerment: New Test Development Committee, 2004-2005
DCPAH Empowerment: Pre-Eminence in Research Committee, 2004-2005
DCPAH Empowerment: DCPAH Organizational Structure Committee, 2005
DCPAH Empowerment: DCPAH Marketing Committee, 2005-present
DCPAH Empowerment: DCPAH Communication Committee, 2005-present
DCPAH Advisory Committee, 2007-present

College

PHI ZETA research day organizing committee, 2001-present
CVM CMIB advisory faculty, 2001-present
CVM NIH-35T advisory faculty, 2002-present
Feline Health Center, 2002-present
CVM International Students and Studies Committee, 2003-present
CVM Committee on Graduate Grievance Hearings, 2003-2007
CVM Committee on Graduate Studies and Research, 2005-2007
CVM futuring event: International Programs Committee 2004-2006
CVM futuring event: Research Programs Committee, 2004-2007
CVM futuring event: Research Programs Implementation Team Leader, 2005

University

International Students and Studies Advisory committee, 2002-2004, 2008-2010
MSU White Paper Initiative: Infectious Diseases, 2004-2005
MSU White Paper Initiative: Cancer research, 2004-2005

State

Continuing Education Committee of the MVMA, 2006-present
Emergency Preparedness Subcommittee, MVMA, 2006-present

National/International

ACF, advisory board, 2013-present
AAVLD Enteric Disease Committee, 1998-2003
AAVLD subcommittee on diagnostic immunohistochemistry (chair) 2002-2006
AAVLD pathology committee 2002-present (chair 2006-2012)
AAVLD laboratory QA/QC auditor, 2012 –present
AAVLD accreditation auditor, 2013-present
ACVP Diagnostic Pathology Committee 2004-2008 (co-chair 2004 and 2005, chair 2006, past chair 2007)
ACVP Natural Disease Committee 2003-2008 (co-chair 2006, chair 2007)
ACVP oncology initiative - chair 2009-2013
ACVP oncology initiative - mast cell committee 2001-present
ACVP oncology initiative – lymphoma committee 2001 - present
ACVP oncology initiative - IHC committee 2001-present
ACVP board of governance, 2007-2009
ACVP TASS organizing committee 2004-2008, Chair TASS symposium 2006
ACVP global impact task force, 2010-present
EAZWV, Infectious Disease Working Group, 2001-present
ACVP press bureau 2004-present
C. L. Davis Foundation, board of directors, 2003-present
C. L. Davis Foundation Symposium Director for the AAVLD meeting, 2002-present
French National Cancer Institute, reviewer, 2013-present

Graduate Student/Resident Committees:

Dept. of Pathobiology and Diagnostic Investigation

Joshua Webster: MS/DVM Guidance Committee Chairman, 2001-2003, by-pass to PhD, PhD Guidance Committee Chairman, 2003-2006, defended PhD in 2006, passed boards in 2008, research scientist at Genentech

Daniel Patrick: Faculty Advisor, Anatomic Pathology Residency, 2001-2004, passed ACVP exam 2004, pathologist at MPI, Michigan

Daven Jackson: Faculty Advisor, Anatomic Pathology Residency, 2004-2007, currently studying for PhD in toxicology

Yava Jones: PhD Guidance Committee Chairman, 2004-2010, defended PhD in 2010, assistant professor at Purdue University

Schantel Hayes: PhD Guidance Committee Chairman, 2006-2010, defended PhD, pathologist at Charles Rivers

Ingrid Bergin: Faculty Advisor, Anatomic Pathology Residency, 2005-2008, passed ACVP exam 2008, assistant professor at the University of Michigan

Dodd Sledge: Faculty Advisor, Anatomic Pathology Residency, 2006-2009, PhD Guidance Committee Chairman, 2009-2014, defended PhD in 2014, faculty at MSU

Erin Howey: Faculty Advisor, Anatomic Pathology Residency, 2007-2010, PhD Guidance Committee Chairman, 2010-present

Heather Sheppard: Faculty Advisor, Anatomic Pathology Residency, 2008-2010, passed ACVP boards in 2011, PhD Guidance Committee Chairman, 2010-2015, defended PhD in 2015, faculty at St. Jude Children's Hospital

Rebecca Smedley: MS Guidance Committee Chairman, 2007-2009, defended MS in 2009, faculty at MSU

Joy Gary: Faculty Advisor, Anatomic Pathology Residency, 2009-2011, passed ACVP boards in 2012, PhD guidance Committee Chairman, 2011-2015, defended PhD in 2015, pathologist at CDC

Danielle Desjardin: MS Guidance Committee Chairman, 2010-2012, defended MS in 2012, pathologist at Phoenix Labs

Bing Ong Che: Faculty Advisor, Anatomic Pathology Residency, 2011-2014, passed ACVP boards in 2014, faculty in Singapore

Misa Komine: Faculty Advisor, Anatomic Pathology Residency, 2011-2014, passed ACVP boards in 2015, faculty in Japan

Caroline Andrews: Faculty Advisor, Anatomic Pathology Residency, 2012-2014, PhD Guidance Committee Chairman, 2014-present

Linda Huang: Faculty Advisor, Anatomic Pathology Residency, 2014- present

Katriya Chankow: Faculty Advisor, Anatomic Pathology Residency, 2014-present

Tanit Kasantikul: Faculty Advisor, Anatomic Pathology Residency, 2015-present

Dept. of Comparative Medicine and Integrative Biology

Joshua Webster: MS/DVM Guidance Committee Chairman, 2001-2003, by-pass to PhD, PhD Guidance Committee Chairman, 2003-2006, defended PhD in 2006, passed boards in 2008, research scientist at NCI, Bethesda

Shanmugam Krishnan: MS Guidance Committee, defended MS 2004, currently PhD at the Ohio State University

Alaa Eissa: PhD Guidance Committee, 2003-2005, defended PhD in 2005, currently in Egypt, faculty position

Min Y Lin: MS Guidance Committee, 2004-2005, defended MS in 2005, currently in Taiwan, governmental research facility

Danielle Eiffler: PhD Guidance Committee, 2003-2005, left program for residency in neurology at University of Missouri

Nalinee Tutivanich: PhD Guidance Committee, 2001-2006, defended PhD in 2006, faculty position at Chulalongkorn University

Shye Bracha: MS Guidance Committee, 2005-2007, defended MS, faculty member Oregon State University

Asmaa Elasad: MS Guidance Committee, 2004-2006, defended MS in 2006

Jeanna vanHouter, MS Guidance Committee, 2005-2007, defended MS in 2007

Gillian Shaw: MS Guidance Committee, 2005-2007, defended MS in 2007, residency/PhD at John Hopkins University

Galeb Abu-Ali: PhD Guidance Committee, 2003-2009, defended PhD in 2009, post-doc position at MSU

Alice Mentzer: MS Guidance Committee, 2004-2007, defended MS in 2007

Manish Neupane: PhD Guidance Committee, 2004-2009, defended PhD in 2009, currently post-doc at Harvard Medical School

Wei Xu: PhD Guidance Committee, 2006-2009, defended PhD in 2009

Tuddow Thaiwong: PhD Guidance Committee Chairman, 2007-2012, defended PhD 2012, resident at MSU

Emmalena Gregory-Bryson: PhD Guidance Committee, 2007-2015, defended PhD 2015

Sargurunathan Subashchandrabose: PhD Guidance Committee, 2008-2011, defended PhD in 2011, post-doc at UoM

Rita Ho: MS Guidance Committee, 2010-2011, defended MS in 2011.

Bing Ong Che: MS Guidance Committee Chairman, 2011-2014, faculty in Singapur

Ya-Ting (Tina) Yang, PhD Guidance Committee, 2012-present

Marilia Takada, MS guidance committee, 2012-2013, defended MS in 2013, PhD guidance committee 2013-present

Yi-An (Amy) Yang, MS guidance committee, 2013-2014,

Luis Carlos Pena Cortes, PhD guidance committee, 2013-present

Yao Lee, PhD guidance committee, 2016-present

Mentor on training grants

Merck-Merial Scholars Summer Research Program 2002: Cheryl Isenhour.

NIH T-35 Training Grant, Summer Student Research Program 2003: Gwen Silas

NIH T-34 PDI Training Grant, PhD graduate student stipend, 2003- 2006, Joshua Webster

NIH T-35 Training Grant, Summer Student Research Program 2006: Emmalena Gregory-Bryson

NIH T-35 Training Grant, Summer Student Research Program 2007 Kate Pennick

NIH T-35 Training Grant, Summer Student Research Program 2008 Meredith Hoffman

NIH T-35 Training Grant, Summer Student Research Program 2010 Jesse Fritz

NIH T-35 Training Grant, Summer Student Research Program 2011 Oliver Personage

NIH T-35 Training Grant, Summer Student Research Program 2011 Sarah Hassinger

NIH T 35 Training Grant, DVM Research Year, 2012, Allison Peterson

NIH T-35 Training Grant, Summer Student Research Program 2013 Alexandra Collins-Webb

NIH T-35 Training Grant, Summer Student Research Program 2013 Bejamin Curtis

NIH T-35 Training Grant, Summer Student Research Program 2014 Thomas Caitlin

NIH T-35 Training Grant, Summer Student Research Program 2014 Marcella Steele

Awards won by students during the time of mentoring/collaboration

Joshua Webster:

Apr 2003	Langham Diagnostic Pathology Award
Apr 2003	Agfa Sterling Diagnostic Imaging Award
Apr 2003	AVMA Auxiliary Outstanding Senior Student Award
Apr 2003	Phi Zeta Award for second highest GPA in the MSU-CVM class of 2003
May 2003	AAVLD Trainee Travel Award
Aug 2003	The Graduate School Travel Funding, Michigan State University
Jun 2005	Merck-Merial National Research Award

Daniel Patrick:

Apr 2002 NCCVLD 2nd prize for Graduate student presentation
May 2002 AAVLD Trainee Travel Award
Oct 2002 AAVLD Graduate student award for best poster

Christy McKnight:

Oct 2004 AAVLD Graduate student award for best presentation
Oct 2005 PhiZeta Resident award for best presentation

Min Y Lin:

Nov 2004 Phi Zeta Award for best graduate student poster

Augusta Pelosi:

Nov 2004 Phi Zeta Award for best graduate presentation

Pierrette Danieu:

Nov 2005 AAVLD Trainee Travel Award

Rebecca Smedley:

Nov 2005 AAVLD Trainee Travel Award

Dodd Sledge:

May 2007 AAVLD Trainee Travel Award
Oct 2008 AAVLD/ACVP Diagnostic Pathology Award
Jul 2009 ACVP/STP Coalition PhD Fellowship
Nov 2009 CL Davis Resident Award
Nov 2010 ACVP Poster Award, 3rd place

Heather Tillman:

Nov 2009 ACVP Poster Award, 3rd place
Nov 2013 ACVP Poster Award, 1st place

Barbie Gadsden:

Nov 2010 AAVLD/ACVP Diagnostic Pathology Award

Jennifer Lamoureux:

Sep 2011 AAVLD Trainee Travel Award

Joy Gary

Dec 2011 ACVP Poster Award, 2nd place, Diagnostic pathology
Oct 2012 International Mammalian Genome Society, Outstanding Student Presentation
2012 Sally Rosen Kaplan Fellowship for Women Scientists
Oct 2013 CL Davis Resident Award
Nov 2014 ACVP Poster Award 1st place, Experimental diseases

Emmalena Gregory-Bryson:

Sep 2012 Phi Zeta Poster Award

Misa Komine:

Oct 2012 AAVLD Trainee Travel Award

Tuddow Thaiwong

Oct 2013 AAVLD Trainee Travel Award
Oct 2014 AAVLD Poster Award 1st place

Caroline Andrews

Nov 2014 ACVP Poster Award 1st place, Diagnostic pathology
Oct 2015 ACVP Poster Award 1st place Experimental pathology
Dec 2016 ACVP Poster Award 3rd place Experimental pathology
Dec 2016 ACVP/AAVLD Diagnostic Pathology Award

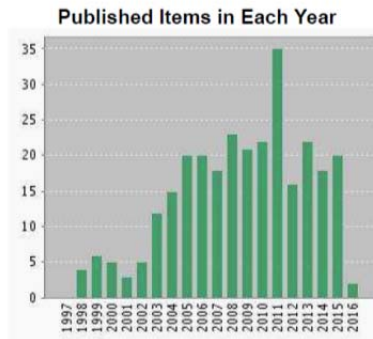
Erica Noland
Oct 2016

AAVLD Trainee Travel Award

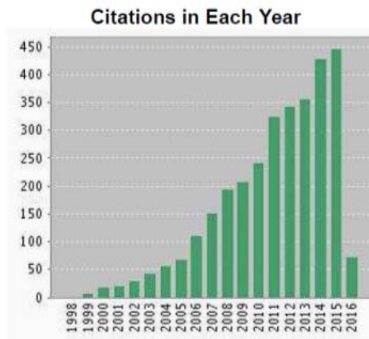
Katherine Barnes
Oct 2015

ACVP/AAVLD Diagnostic Pathology Award

Citation Analysis 1998-2016



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Results found: 288
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 h-index [?]: 26

	2012	2013	2014	2015	2016	Total	Average Citations per Year
Use the checkboxes to remove individual items from this Citation Report or restrict to items published between 1998 and 2016	543	356	429	446	73	3133	164.89
<input type="checkbox"/> 1. Oct4 expression in adult human stem cells: evidence in support of the stem cell theory of carcinogenesis By: Tai, MH; Chang, CC; Olson, UK; et al. CARCINOGENESIS Volume: 26 Issue: 2 Pages: 495-502 Published: FEB 2005	43	26	38	32	3	303	32.75
<input type="checkbox"/> 2. Isolation and characterization of canine adipose-derived mesenchymal stem cells By: Neupane, Manish; Chang, Chia-Chang; Kupel, Matt; et al. TISSUE ENGINEERING PART A Volume: 14 Issue: 6 Pages: 1007-1015 Published: JUN 2008	14	19	16	12	3	65	10.00
<input type="checkbox"/> 3. The use of KIT and tryptase expression patterns as prognostic tools for canine cutaneous mast cell tumors By: Kupel, M; Webster, JD; Kaneene, JB; et al. VETERINARY PATHOLOGY Volume: 41 Issue: 4 Pages: 371-377 Published: JUL 2004	7	10	4	11	0	32	6.62
<input type="checkbox"/> 4. Tissue distribution and genetic typing of porcine circoviruses in pigs with naturally occurring congenital tremors By: Stevenson, GW; Kupel, M; Mittal, SK; et al. JOURNAL OF VETERINARY DIAGNOSTIC INVESTIGATION Volume: 13 Issue: 1 Pages: 57-62 Published: JAN 2001	6	4	4	3	0	17	5.25
<input type="checkbox"/> 5. Circovirus-like viral associated disease in weaned pigs in Indiana By: Kupel, M; Stevenson, GW; Mittal, SK; et al. VETERINARY PATHOLOGY Volume: 35 Issue: 4 Pages: 303-307 Published: JUL 1998	3	1	1	1	0	5	4.47
<input type="checkbox"/> 6. Prognostic factors for treated canine malignant lymphoma By: Kupel, M; Teske, E; Bostock, D. VETERINARY PATHOLOGY Volume: 36 Issue: 4 Pages: 292-300 Published: JUL 1999	4	0	0	5	2	11	4.44
<input type="checkbox"/> 7. Classification of Canine Malignant Lymphomas According to the World Health Organization Criteria By: Vall, V. E.; San Myint, M.; Barbal, A.; et al. VETERINARY PATHOLOGY Volume: 40 Issue: 1 Pages: 195-211 Published: JAN 2011	7	17	15	27	4	70	12.50
<input type="checkbox"/> 8. Cellular proliferation in canine cutaneous mast cell tumors: Associations with c-KIT and its role in prognostication By: Webster, J. D.; Yuzbasyan-Gurkan, V.; Miller, R. A.; et al. VETERINARY PATHOLOGY Volume: 44 Issue: 3 Pages: 296-308 Published: MAY 2007	12	7	6	17	2	44	7.30
<input type="checkbox"/> 9. The role of c-KIT in tumorigenesis: Evaluation in canine cutaneous mast cell tumors By: Webster, Joshua D.; Yuzbasyan-Gurkan, Vilma; Kaneene, John B.; et al. NEOPLASIA Volume: 8 Issue: 2 Pages: 104-111 Published: FEB 2006	9	9	7	13	1	39	6.27
<input type="checkbox"/> 10. Viral replication and lesions in BALB/c mice experimentally inoculated with porcine circovirus isolated from a pig with postweaning multisystemic wasting disease By: Kupel, M; Stevenson, GW; Choi, J; et al. VETERINARY PATHOLOGY Volume: 38 Issue: 1 Pages: 74-82 Published: JAN 2001	5	0	5	4	0	14	3.51