

# 2011 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
00947A	Angstadt, A. Y., Motsinger-Reif, A., Thomas, R., Kisseberth, W. C., Guillermo Couto, C., Duval, D. L., ... Breen, M. (2011). Characterization of canine osteosarcoma by array comparative genomic hybridization and RT-qPCR: Signatures of genomic imbalance in canine osteosarcoma parallel the human counterpart. <i>Genes, Chromosomes and Cancer</i> , 50(11), 859–874. <a href="https://doi.org/10.1002/gcc.20908">https://doi.org/10.1002/gcc.20908</a>	North Carolina State University; Breen
01455	Barber, R. M., Schatzberg, S. J., Corneveaux, J. J., Allen, A. N., Porter, B. F., Pruzin, J. J., ... Huentelman, M. J. (2011). Identification of Risk Loci for Necrotizing Meningoencephalitis in Pug Dogs. <i>Journal of Heredity</i> , 102(Suppl_1), S40–S46. <a href="https://doi.org/10.1093/jhered/esr048">https://doi.org/10.1093/jhered/esr048</a>	University of Georgia; Platt
0002405	Bleedorn, J. A., Greuel, E. N., Manley, P. A., Schaefer, S. L., Markel, M. D., Holzman, G., & Muir, P. (2011). Synovitis in Dogs with Stable Stifle Joints and Incipient Cranial Cruciate Ligament Rupture: A Cross-Sectional Study. <i>Veterinary Surgery</i> , 40(5), 531–543. <a href="https://doi.org/10.1111/j.1532-950X.2011.00841.x">https://doi.org/10.1111/j.1532-950X.2011.00841.x</a>	University of Wisconsin, Madison; Muir
00799-A	Boggiatto, P. M., Gibson-Corley, K. N., Metz, K., Gallup, J. M., Hostetter, J. M., Mullin, K., & Petersen, C. A. (2011). Transplacental Transmission of <i>Leishmania infantum</i> as a Means for Continued Disease Incidence in North America. <i>PLoS Neglected Tropical Diseases</i> , 5(4), e1019. <a href="https://doi.org/10.1371/journal.pntd.0001019">https://doi.org/10.1371/journal.pntd.0001019</a>	Iowa State University; Petersen
00888-A	Braganza, A., Wallace, K., Pell, L., Parrish, C. R., Siegel, D. L., & Mason, N. J. (2011). Generation and validation of canine single chain variable fragment phage display libraries. <i>Veterinary Immunology and Immunopathology</i> , 139(1), 27–40. <a href="https://doi.org/10.1016/j.vetimm.2010.07.026">https://doi.org/10.1016/j.vetimm.2010.07.026</a>	University of Pennsylvania; Mason
0195	Corcoran, B. M., King, L. G., Schwarz, T., Hammond, G., & Sullivan, M. (2011). Further characterisation of the clinical features of chronic pulmonary disease in West Highland White Terriers. <i>Veterinary Record</i> , 168(13), 355–355. <a href="https://doi.org/10.1136/vr.c6519">https://doi.org/10.1136/vr.c6519</a>	University of Edinburgh; Corcoran
0002222	Doré, M. (2011). Cyclooxygenase-2 Expression in Animal Cancers. <i>Veterinary Pathology</i> , 48(1), 254–265. <a href="https://doi.org/10.1177/0300985810379434">https://doi.org/10.1177/0300985810379434</a>	University of Montreal; Dore

00598	Ekenstedt, K. J., Patterson, E. E., Minor, K. M., & Mickelson, J. R. (2011). Candidate genes for idiopathic epilepsy in four dog breeds. <i>BMC Genetics</i> , 12(1), 38. <a href="https://doi.org/10.1186/1471-2156-12-38">https://doi.org/10.1186/1471-2156-12-38</a>	University of Minnesota; Mickelson
00732	Farias, F. H. G., Zeng, R., Johnson, G. S., Winger, F. A., Taylor, J. F., Schnabel, R. D., ... Katz, M. L. (2011). A truncating mutation in ATP13A2 is responsible for adult-onset neuronal ceroid lipofuscinosis in Tibetan Terriers. <i>Neurobiology of Disease</i> , 42(3), 468–474. <a href="https://doi.org/10.1016/j.nbd.2011.02.009">https://doi.org/10.1016/j.nbd.2011.02.009</a>	University of Missouri, Columbia; Katz
00594	Fecteau, K. A., Eiler, H., & Oliver, J. W. (2011). Effect of combined lignan phytoestrogen and melatonin treatment on secretion of steroid hormones by adrenal carcinoma cells. <i>American Journal of Veterinary Research</i> , 72(5), 675–680. <a href="https://doi.org/10.2460/ajvr.72.5.675">https://doi.org/10.2460/ajvr.72.5.675</a>	University of Tennessee; Fecteau
00976	Fossey, S. L., Bear, M. D., Kisseberth, W. C., Pennell, M., & London, C. A. (2011). Oncostatin M promotes STAT3 activation, VEGF production, and invasion in osteosarcoma cell lines. <i>BMC Cancer</i> , 11(1). <a href="https://doi.org/10.1186/1471-2407-11-125">https://doi.org/10.1186/1471-2407-11-125</a>	The Ohio State University; London
00976	Fossey, S. L., Bear, M. D., Lin, J., Li, C., Schwartz, E. B., Li, P.-K., ... London, C. A. (2011). The novel curcumin analog FLLL32 decreases STAT3 DNA binding activity and expression, and induces apoptosis in osteosarcoma cell lines. <i>BMC Cancer</i> , 11(1). <a href="https://doi.org/10.1186/1471-2407-11-112">https://doi.org/10.1186/1471-2407-11-112</a>	The Ohio State University; London
01232-A	Garnier-Hausser, A., Patel, R., Baldwin, A. S., May, M. J., & Mason, N. J. (2011). NEMO-Binding Domain Peptide Inhibits Constitutive NF- B Activity and Reduces Tumor Burden in a Canine Model of Relapsed, Refractory Diffuse Large B-Cell Lymphoma. <i>Clinical Cancer Research</i> , 17(14), 4661–4671. <a href="https://doi.org/10.1158/1078-0432.CCR-10-3310">https://doi.org/10.1158/1078-0432.CCR-10-3310</a>	University of Pennsylvania; Mason
01037-A	Harper, T. A. M., Jones, J. C., Saunders, G. K., Daniel, G. B., Leroith, T., & Rossmeissl, E. (2011). Sensitivity of Low-Field T2* Images for Detecting the Presence and Severity of Histopathologic Meniscal Lesions in Dogs. <i>Veterinary Radiology &amp; Ultrasound</i> , 52(4), 428–435. <a href="https://doi.org/10.1111/j.1740-8261.2011.01818.x">https://doi.org/10.1111/j.1740-8261.2011.01818.x</a>	Virginia-Maryland Regional College of Veterinary Medicine; Harper
0002667	Hedan, B., Thomas, R., Motsinger-Reif, A., Abadie, J., Andre, C., Cullen, J., & Breen, M. (2011). Molecular cytogenetic characterization of canine histiocytic sarcoma: A spontaneous model for human histiocytic cancer identifies deletion of tumor suppressor genes and highlights influence of genetic background on tumor behavior. <i>BMC Cancer</i> , 11(1). <a href="https://doi.org/10.1186/1471-2407-11-201">https://doi.org/10.1186/1471-2407-11-201</a>	North Carolina State University; Breen

01046-A	Hong, S.-H., Osborne, T., Ren, L., Briggs, J., Mazcko, C., Burkett, S. S., & Khanna, C. (2011). Protein kinase C regulates ezrin-radixin-moesin phosphorylation in canine osteosarcoma cells. <i>Veterinary and Comparative Oncology</i> , 9(3), 207–218. <a href="https://doi.org/10.1111/j.1476-5829.2010.00249.x">https://doi.org/10.1111/j.1476-5829.2010.00249.x</a>	National Cancer Institute; Hong
01233-A	Hughes, A. M., Bannasch, D. L., Kellett, K., & Oberbauer, A. M. (2011). Examination of candidate genes for hypoadrenocorticism in Nova Scotia Duck Tolling Retrievers. <i>The Veterinary Journal</i> , 187(2), 212–216. <a href="https://doi.org/10.1016/j.tvjl.2009.10.012">https://doi.org/10.1016/j.tvjl.2009.10.012</a>	University of California, Davis; Bannasch
00615A	Ito, D., Endicott, M. M., Jubala, C. M., Helm, K. M., Burnett, R. C., Husbands, B. D., ... Modiano, J. F. (2011). A Tumor-Related Lymphoid Progenitor Population Supports Hierarchical Tumor Organization in Canine B-Cell Lymphoma: Canine B-Cell Lymphoma. <i>Journal of Veterinary Internal Medicine</i> , 25(4), 890–896. <a href="https://doi.org/10.1111/j.1939-1676.2011.0756.x">https://doi.org/10.1111/j.1939-1676.2011.0756.x</a>	University of Colorado; Modiano
00732	Katz, M. L., Farias, F. H., Sanders, D. N., Zeng, R., Khan, S., Johnson, G. S., & O'Brien, D. P. (2011). A Missense Mutation in Canine <i>CLN6</i> in an Australian Shepherd with Neuronal Ceroid Lipofuscinosis. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 1–6. <a href="https://doi.org/10.1155/2011/198042">https://doi.org/10.1155/2011/198042</a>	University of Missouri, Columbia; Katz
00859-A	Ke, X., Kennedy, L. J., Short, A. D., Seppälä, E. H., Barnes, A., Clements, D. N., ... Ollier, W. E. R. (2011). Assessment of the functionality of genome-wide canine SNP arrays and implications for canine disease association studies. <i>Animal Genetics</i> , 42(2), 181–190. <a href="https://doi.org/10.1111/j.1365-2052.2010.02132.x">https://doi.org/10.1111/j.1365-2052.2010.02132.x</a>	University of Manchester; Kennedy
01425	Lequarré, A.-S., Andersson, L., André, C., Fredholm, M., Hitte, C., Leeb, T., ... Georges, M. (2011). LUPA: A European initiative taking advantage of the canine genome architecture for unravelling complex disorders in both human and dogs. <i>The Veterinary Journal</i> , 189(2), 155–159. <a href="https://doi.org/10.1016/j.tvjl.2011.06.013">https://doi.org/10.1016/j.tvjl.2011.06.013</a>	University of Helsinki and the Folkhälsan Institute of Genetics; Lohi
01066-A	Love, S. B., Davis, M. S., Goad, C., Murphy, K., Aichele, D. B., & Fossum, T. W. (2011). Predictive haematological and serum biomarkers for canine endurance exercise. <i>Comparative Exercise Physiology</i> , 7(03), 109–115. <a href="https://doi.org/10.1017/S1755254010000310">https://doi.org/10.1017/S1755254010000310</a>	Oklahoma State University; Davis
01160-A	Mai, W., & Weisse, C. (2011). Contrast-enhanced portal magnetic resonance angiography in dogs with suspected congenital portal vascular anomalies. <i>Veterinary Radiology &amp; Ultrasound</i> , 52(3), 284–288. <a href="https://doi.org/10.1111/j.1740-8261.2010.01771.x">https://doi.org/10.1111/j.1740-8261.2010.01771.x</a>	University of Pennsylvania; Mai

01190-A	<p>Minor, K. M., Patterson, E. E., Keating, M. K., Gross, S. D., Ekenstedt, K. J., Taylor, S. M., &amp; Mickelson, J. R. (2011). Presence and impact of the exercise-induced collapse associated DNM1 mutation in Labrador Retrievers and other breeds. <i>The Veterinary Journal</i>, 189(2), 214–219. <a href="https://doi.org/10.1016/j.tvjl.2011.06.022">https://doi.org/10.1016/j.tvjl.2011.06.022</a></p>	University of Minnesota; Mickelson
00741	<p>Muir, P., Kelly, J. L., Marvel, S. J., Heinrich, D. A., Schaefer, S. L., Manley, P. A., ... Plisch, E. (2011). Lymphocyte Populations in Joint Tissues from Dogs with Inflammatory Stifle Arthritis and Associated Degenerative Cranial Cruciate Ligament Rupture: Lymphocyte Populations in Joint Tissues. <i>Veterinary Surgery</i>, 40(6), 753–761. <a href="https://doi.org/10.1111/j.1532-950X.2011.00867.x">https://doi.org/10.1111/j.1532-950X.2011.00867.x</a></p>	University of Wisconsin, Madison; Muir
0002405	<p>Muir, P., Schwartz, Z., Malek, S., Kreines, A., Cabrera, S. Y., Buote, N. J., ... Hao, Z. (2011). Contralateral Cruciate Survival in Dogs with Unilateral Non-Contact Cranial Cruciate Ligament Rupture. <i>PLoS ONE</i>, 6(10), e25331. <a href="https://doi.org/10.1371/journal.pone.0025331">https://doi.org/10.1371/journal.pone.0025331</a></p>	University of Wisconsin, Madison; Muir
01244-A	<p>Pedersen, N., Liu, H., Millon, L., &amp; Greer, K. (2011). Dog Leukocyte Antigen Class II–Associated Genetic Risk Testing for Immune Disorders of Dogs: Simplified Approaches Using Pug Dog Necrotizing Meningoencephalitis as a Model. <i>Journal of Veterinary Diagnostic Investigation</i>, 23(1), 68–76. <a href="https://doi.org/10.1177/104063871102300110">https://doi.org/10.1177/104063871102300110</a></p>	Indiana University East; Greer
00876-A	<p>Quilez, J., Short, A. D., Martínez, V., Kennedy, L. J., Ollier, W., Sanchez, A., ... Francino, O. (2011). A selective sweep of &gt;8 Mb on chromosome 26 in the Boxer genome. <i>BMC Genomics</i>, 12(1). <a href="https://doi.org/10.1186/1471-2164-12-339">https://doi.org/10.1186/1471-2164-12-339</a></p>	University of Manchester; Kennedy
00225	<p>Rincon, G., Tengvall, K., Belanger, J. M., Lagoutte, L., Medrano, J. F., André, C., ... Oberbauer, A. M. (2011). Comparison of buccal and blood-derived canine DNA, either native or whole genome amplified, for array-based genome-wide association studies. <i>BMC Research Notes</i>, 4(1), 226. <a href="https://doi.org/10.1186/1756-0500-4-226">https://doi.org/10.1186/1756-0500-4-226</a></p>	University of California, Davis; Oberbauer
01077-A	<p>Roshwalb, S., Gorman, S., Hurst, S., Bartges, J., Agarwal, S., Sommardahl, C., ... Dhar, M. S. (2011). mRNA expression of canine ATP10C, a P4-type ATPase, is positively associated with body condition score. <i>The Veterinary Journal</i>, 190(1), 173–175. <a href="https://doi.org/10.1016/j.tvjl.2010.09.008">https://doi.org/10.1016/j.tvjl.2010.09.008</a></p>	University of Tennessee; Dhar
01591	<p>Salzmann, C. A., Olivry, T. J., Nielsen, D. M., Paps, J. S., Harris, T. L., &amp; Olby, N. J. (2011). Genome-wide linkage study of atopic dermatitis in West Highland White Terriers. <i>BMC Genetics</i>, 12(1), 37. <a href="https://doi.org/10.1186/1471-2156-12-37">https://doi.org/10.1186/1471-2156-12-37</a></p>	North Carolina State University; Olby

00741	Schwartz, Z., Zitzer, N. C., Racette, M. A., Manley, P. A., Schaefer, S. L., Markel, M. D., ... Muir, P. (2011). Are bacterial load and synovitis related in dogs with inflammatory stifle arthritis? <i>Veterinary Microbiology</i> , 148(2–4), 308–316. <a href="https://doi.org/10.1016/j.vetmic.2010.09.011">https://doi.org/10.1016/j.vetmic.2010.09.011</a>	University of Wisconsin, Madison; Muir
0002254A	Scott, M. C., Sarver, A. L., Gavin, K. J., Thayanithy, V., Getzy, D. M., Newman, R. A., ... Modiano, J. F. (2011). Molecular subtypes of osteosarcoma identified by reducing tumor heterogeneity through an interspecies comparative approach. <i>Bone</i> , 49(3), 356–367. <a href="https://doi.org/10.1016/j.bone.2011.05.008">https://doi.org/10.1016/j.bone.2011.05.008</a>	AMC Cancer Research Center; Modiano
00415	Stein, R., Balkman, C., Chen, S., Rassnick, K., Mcentee, M., Page, R., & Goldenberg, D. M. (2011). Evaluation of anti-human leukocyte antigen-DR monoclonal antibody therapy in spontaneous canine lymphoma. <i>Leukemia &amp; Lymphoma</i> , 52(2), 273–284. <a href="https://doi.org/10.3109/10428194.2010.535182">https://doi.org/10.3109/10428194.2010.535182</a>	Cornell University; Page
01194-A	Stoica, G., Levine, J., Wolff, J., & Murphy, K. (2011). Canine Astrocytic Tumors: A Comparative Review. <i>Veterinary Pathology</i> , 48(1), 266–275. <a href="https://doi.org/10.1177/0300985810389543">https://doi.org/10.1177/0300985810389543</a>	Texas A&M University; Stoica
00613	Thomas, R., Seiser, E. L., Motsinger-Reif, A., Borst, L., Valli, V. E., Kelley, K., ... Breen, M. (2011). Refining tumor-associated aneuploidy through ‘genomic recoding’ of recurrent DNA copy number aberrations in 150 canine non-Hodgkin lymphomas. <i>Leukemia &amp; Lymphoma</i> , 52(7), 1321–1335. <a href="https://doi.org/10.3109/10428194.2011.559802">https://doi.org/10.3109/10428194.2011.559802</a>	North Carolina State University; Breen
01227-A	Trivedi, S., Marks, S. L., Kass, P. H., Luff, J. A., Keller, S. M., Johnson, E. G., & Murphy, B. (2011). Sensitivity and Specificity of Canine Pancreas-Specific Lipase (cPL) and Other Markers for Pancreatitis in 70 Dogs with and without Histopathologic Evidence of Pancreatitis. <i>Journal of Veterinary Internal Medicine</i> , 25(6), 1241–1247. <a href="https://doi.org/10.1111/j.1939-1676.2011.00793.x">https://doi.org/10.1111/j.1939-1676.2011.00793.x</a>	University of California, Davis; Marks
00768	Valli, V. E., Myint, M. S., Barthel, A., Bienzle, D., Caswell, J., Colbatzky, F., ... Vernau, W. (2011). Classification of Canine Malignant Lymphomas According to the World Health Organization Criteria. <i>Veterinary Pathology</i> , 48(1), 198–211. <a href="https://doi.org/10.1177/0300985810379428">https://doi.org/10.1177/0300985810379428</a>	University of Illinois; Valli
01231-A	Varanat, M., Maggi, R. G., Linder, K. E., & Breitschwerdt, E. B. (2011). Molecular prevalence of <i>Bartonella</i> , <i>Babesia</i> , and Hemotropic <i>Mycoplasma</i> sp. in dogs with splenic disease. <i>Journal of Veterinary Internal Medicine</i> , 25(6), 1284–1291. <a href="https://doi.org/10.1111/j.1939-1676.2011.00811.x">https://doi.org/10.1111/j.1939-1676.2011.00811.x</a>	North Carolina State University; Breitschwerdt

<b>01083-A</b>	<p>Wang, P., Zangerl, B., Werner, P., Mauldin, E. A., &amp; Casal, M. L. (2011). Familial cutaneous lupus erythematosus (CLE) in the German Shorthaired Pointer maps to CFA18, a canine orthologue to human CLE. <i>Immunogenetics</i>, 63(4), 197–207.  <a href="https://doi.org/10.1007/s00251-010-0499-z">https://doi.org/10.1007/s00251-010-0499-z</a></p>	<p>University of Pennsylvania; Casal</p>
<b>00822</b>	<p>Webster, J. D., Simpson, E. R., Michalowski, A. M., Hoover, S. B., &amp; Simpson, R. M. (2011). Quantifying Histological Features of Cancer Biospecimens for Biobanking Quality Assurance Using Automated Morphometric Pattern Recognition Image Analysis Algorithms. <i>Journal of Biomolecular Techniques</i>. 22(3), 11.  <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165860/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165860/</a></p>	<p>Canine Comparative Oncology and Genomics Consortium Inc; Breen</p>
<b>01265</b>	<p>Wiley, J. S., Sluyter, R., Gu, B. J., Stokes, L., &amp; Fuller, S. J. (2011). The human P2X7 receptor and its role in innate immunity. <i>Tissue Antigens</i>, 78(5), 321–332. <a href="https://doi.org/10.1111/j.1399-0039.2011.01780.x">https://doi.org/10.1111/j.1399-0039.2011.01780.x</a></p>	<p>University of Wollongong; Sluyter</p>
<b>01212-A</b>	<p>Wininger, F. A., Zeng, R., Johnson, G. S., Katz, M. L., Johnson, G. C., Bush, W. W., ... Coates, J. R. (2011). Degenerative Myelopathy in a Bernese Mountain Dog with a Novel SOD1 Missense Mutation. <i>Journal of Veterinary Internal Medicine</i>, 25(5), 1166–1170.  <a href="https://doi.org/10.1111/j.1939-1676.2011.0760.x">https://doi.org/10.1111/j.1939-1676.2011.0760.x</a></p>	<p>University of Missouri, Columbia; Coates</p>