

2012 Peer-Reviewed Publications from AKC Canine Health Foundation Funding



Year of Publication	CHF Grant ID	Institution/Principal Investigator	APA Citation
2012	0009	Texas A&M University; Boothe, Dawn	Boothe, D. M., Dewey, C., & Carpenter, D. M. (2012). Comparison of phenobarbital with bromide as a first-choice antiepileptic drug for treatment of epilepsy in dogs. <i>J Am Vet Med Assoc</i> , 240(9), 1073-1083.
2012	0119	North Carolina State University; Breen, Matthew	Tsai, P. C., & Breen, M. (2012). Array-based comparative genomic hybridization-guided identification of reference genes for normalization of real-time quantitative polymerase chain reaction assay data for lymphomas, histiocytic sarcomas, and osteosarcomas of dogs. <i>Am J Vet Res</i> , 73(9), 1335-1343. doi:10.2460/ajvr.73.9.1335
2012	0137	AMC Cancer Research Center; Modiano, Jaime	Thayanithy, V., Park, C., Sarver, A. L., Kartha, R. V., Korpela, D. M., Graef, A. J., . . . Subramanian, S. (2012). Combinatorial treatment of DNA and chromatin-modifying drugs cause cell death in human and canine osteosarcoma cell lines. <i>PLoS One</i> , 7(9), e43720. doi:10.1371/journal.pone.0043720
2012	0137	AMC Cancer Research Center; Modiano, Jaime	Thayanithy, V., Sarver, A. L., Kartha, R. V., Li, L., Angstadt, A. Y., Breen, M., . . . Subramanian, S. (2012). Perturbation of 14q32 miRNAs-cMYC gene network in osteosarcoma. <i>Bone</i> , 50(1), 171-181. doi:10.1016/j.bone.2011.10.012
2012	0184	University of California, Davis; Oberbauer, Anita	Seppala, E. H., Koskinen, L. L., Gullov, C. H., Jokinen, P., Karlskov-Mortensen, P., Bergamasco, L., . . . Lohi, H. (2012). Identification of a novel idiopathic epilepsy locus in Belgian Shepherd dogs. <i>PLoS One</i> , 7(3), e33549. doi:10.1371/journal.pone.0033549
2012	0422	University of Colorado Cancer Center; Bellgrau, Don	Kim, J.-H., Anderson, K. L., Frantz, A. M., Graef, A. J., Scott, M. C., Sharkey, L. C., . . . Modiano, J. F. (2013). Constitutive expression and roles of interleukin-8 in canine hemangiosarcoma. <i>Paper presented at the BMC Proceedings</i> .
2012	0615	University of Colorado; Modiano, Jaime	Ito, D., Frantz, A. M., Williams, C., Thomas, R., Burnett, R. C., Avery, A. C., . . . Modiano, J. F. (2012). CD40 ligand is necessary and sufficient to support primary diffuse large B-cell lymphoma cells in culture: a tool for in vitro preclinical studies with primary B-cell malignancies. <i>Leuk Lymphoma</i> , 53(7), 1390-1398. doi:10.3109/10428194.2011.654337
2012	0866	University of Missouri, Columbia; Narfstrom, Kristina	Narfstrom, K., Jeong, M., Hyman, J., Madsen, R. W., & Bergstrom, T. F. (2012). Assessment of hereditary retinal degeneration in the English springer spaniel dog and disease relationship to an RPGRIP1 mutation. <i>Stem Cells Int</i> , 2012, 685901. doi:10.1155/2012/685901
2012	0927	North Carolina State University; Olby, Natasha	Urkasemsin, G., Linder, K. E., Bell, J. S., de Lahunta, A., & Olby, N. J. (2012). Mapping of Purkinje neuron loss and polyglucosan body accumulation in hereditary cerebellar degeneration in Scottish terriers. <i>Vet Pathol</i> , 49(5), 852-859. doi:10.1177/0300985811412622
2012	0934	Texas A&M University; Clark, Leigh	Tsai, K. L., Noorai, R. E., Starr-Moss, A. N., Quignon, P., Rinz, C. J., Ostrander, E. A., . . . Clark, L. A. (2012). Genome-wide association studies for multiple diseases of the German Shepherd Dog. <i>Mamm Genome</i> , 23(1-2), 203-211. doi:10.1007/s00335-011-9376-9
2012	0945	Iowa State University; Jergens, Albert	Suchodolski, J. S., Dowd, S. E., Wilke, V., Steiner, J. M., & Jergens, A. E. (2012). 16S rRNA gene pyrosequencing reveals bacterial dysbiosis in the duodenum of dogs with idiopathic inflammatory bowel disease. <i>PLoS One</i> , 7(6), e39333. doi:10.1371/journal.pone.0039333

2012	0945	Iowa State University; Jergens, Albert	Wilke, V. L., Nettleton, D., Wymore, M. J., Gallup, J. M., Demirkale, C. Y., Ackermann, M. R., . . . Jergens, A. E. (2012). Gene expression in intestinal mucosal biopsy specimens obtained from dogs with chronic enteropathy. <i>Am J Vet Res</i> , 73(8), 1219-1229. doi:10.2460/ajvr.73.8.1219
2012	0947	North Carolina State University; Breen, Matthew	Angstadt, A. Y., Thayanithy, V., Subramanian, S., Modiano, J. F., & Breen, M. (2012). A genome-wide approach to comparative oncology: high-resolution oligonucleotide aCGH of canine and human osteosarcoma pinpoints shared microaberrations. <i>Cancer Genet</i> , 205(11), 572-587. doi:10.1016/j.cancergen.2012.09.005
2012	0961	University of Pennsylvania; Otto, Cynthia	Hunt, M., Otto, C. M., Serpell, J. A., & Alvarez, J. (2012). Interactions between Handler Well-Being and Canine Health and Behavior in Search and Rescue Teams. <i>Anthrozoös</i> , 25(3), 323-335.
2012	0970	University of Pennsylvania; Volk, Susan	Volk, S. W., Wang, Y., & Hankenson, K. D. (2012). Effects of donor characteristics and ex vivo expansion on canine mesenchymal stem cell properties: implications for MSC-based therapies. <i>Cell Transplant</i> , 21(10), 2189-2200. doi:10.3727/096368912X636821
2012	0982	ApopLogic Pharmaceuticals, LLC; Bellgrau, Don	Modiano, J. F., Bellgrau, D., Cutter, G. R., Lana, S. E., Ehrhart, N. P., Ehrhart, E., . . . Duke, R. C. (2012). Inflammation, apoptosis, and necrosis induced by neoadjuvant fas ligand gene therapy improves survival of dogs with spontaneous bone cancer. <i>Mol Ther</i> , 20(12), 2234-2243. doi:10.1038/mt.2012.149
2012	1005	University of Minnesota; Patterson, Ned	Hardy, B. T., Patterson, E. E., Cloyd, J. M., Hardy, R. M., & Leppik, I. E. (2012). Double-masked, placebo-controlled study of intravenous levetiracetam for the treatment of status epilepticus and acute repetitive seizures in dogs. <i>J Vet Intern Med</i> , 26(2), 334-340. doi:10.1111/j.1939-1676.2011.00868.x
2012	1031	University of Guelph; Wood, Darren	Tan, E., Bienzle, D., Shewen, P., Kruth, S., & Wood, D. (2012). Potentially antigenic RBC membrane proteins in dogs with primary immune-mediated hemolytic anemia. <i>Vet Clin Pathol</i> , 41(1), 45-55. doi:10.1111/j.1939-165X.2011.00391.x
2012	1047	University of Minnesota; Wilke, Vicki	Metivier, K. S., Deitz, K., Xu, W. W., Conzemius, M., & Wilke, V. L. (2014). Gene expression profiling demonstrates differential expression of osteopontin in follicular thyroid carcinomas compared to normal thyroid tissue in dogs. <i>Vet Comp Oncol</i> , 12(3), 181-197. doi:10.1111/j.1476-5829.2012.00348.x
2012	1064	Colorado State University; Thamm, Douglas	Shoeneman, J. K., Ehrhart, E. J., 3rd, Eickhoff, J. C., Charles, J. B., Powers, B. E., & Thamm, D. H. (2012). Expression and function of survivin in canine osteosarcoma. <i>Cancer Res</i> , 72(1), 249-259. doi:10.1158/0008-5472.CAN-11-2315
2012	1142	University of Florida; Estrada, Amara	Kleman, M. E., Estrada, A. H., Maisenbacher, H. W., 3rd, Prosek, R., Pogue, B., Shih, A., & Paolillo, J. A. (2012). How to perform combined cutting balloon and high pressure balloon valvuloplasty for dogs with subaortic stenosis. <i>J Vet Cardiol</i> , 14(2), 351-361. doi:10.1016/j.jvc.2011.11.008
2012	1152	Colorado State University; Dow, Steven	Hafeman, S. D., Varland, D., & Dow, S. W. (2012). Bisphosphonates significantly increase the activity of doxorubicin or vincristine against canine malignant histiocytosis cells. <i>Vet Comp Oncol</i> , 10(1), 44-56. doi:10.1111/j.1476-5829.2011.00274.x
2012	1180	Texas A&M University; Levine, Gwendolyn	Witsberger, T. H., Levine, J. M., Fosgate, G. T., Slater, M. R., Kerwin, S. C., Russell, K. E., & Levine, G. J. (2012). Associations between cerebrospinal fluid biomarkers and long-term neurologic outcome in dogs with acute intervertebral disk herniation. <i>J Am Vet Med Assoc</i> , 240(5), 555-562. doi:10.2460/javma.240.5.555

2012	1226	Auburn University; Smith, Annette	Boudreaux, B. B., Smith, A. N., Lee, H. P., Boothe, D. M., Lynn, M., Whitley, E. M., . . . Behrend, E. N. (2012). In vitro Evaluation of ABCB1 After Exposure to Prednisolone and Enrofloxacin in Two Canine Lymphoid Cell Lines: A Pilot Study. <i>Int J Appl Res Vet Med</i> , 10(1), 31.
2012	1265	University of Wollongong; Sluyter, Ronald	Jalilian, I., Peranec, M., Curtis, B. L., Seavers, A., Spildrejorde, M., Sluyter, V., & Sluyter, R. (2012). Activation of the damage-associated molecular pattern receptor P2X7 induces interleukin-1beta release from canine monocytes. <i>Vet Immunol Immunopathol</i> , 149(1-2), 86-91. doi:10.1016/j.vetimm.2012.05.004
2012	1265	University of Wollongong; Sluyter, Ronald	Jalilian, I., Spildrejorde, M., Seavers, A., Curtis, B. L., McArthur, J. D., & Sluyter, R. (2012). Functional expression of the damage-associated molecular pattern receptor P2X7 on canine kidney epithelial cells. <i>Vet Immunol Immunopathol</i> , 150(3-4), 228-233. doi:10.1016/j.vetimm.2012.09.040
2012	1271	Broad Institute; Lindblad-Toh, Kerstin	Shelton, G. D., Johnson, G. C., O'Brien, D. P., Katz, M. L., Pesayco, J. P., Chang, B. J., . . . Coates, J. R. (2012). Degenerative myelopathy associated with a missense mutation in the superoxide dismutase 1 (SOD1) gene progresses to peripheral neuropathy in Pembroke Welsh corgis and boxers. <i>J Neurol Sci</i> , 318(1-2), 55-64. doi:10.1016/j.jns.2012.04.003
2012	1312	Clemson University; Starr-Moss, Alison	Lindholm-Perry, A. K., Kuehn, L. A., Snelling, W. M., Smith, T. P., Ferrell, C. L., Jenkins, T. G., & Freetly, H. C. (2012). Evaluation of polymorphisms within the genes GHSR and SLC2A2 that are within a region on bovine chromosome 1 (BTA1) previously associated with feed intake and weight gain. <i>Anim Genet</i> , 43(1), 112. doi:10.1111/j.1365-2052.2011.02220.x
2012	1337	National Human Genome Research Institute; Ostrander, Elaine	Hahn, N. M., Bonney, P. L., Dhawan, D., Jones, D. R., Balch, C., Guo, Z., . . . Knapp, D. W. (2012). Subcutaneous 5-azacitidine treatment of naturally occurring canine urothelial carcinoma: a novel epigenetic approach to human urothelial carcinoma drug development. <i>J Urol</i> , 187(1), 302-309. doi:10.1016/j.juro.2011.09.010
2012	1365	University of Pennsylvania; Oyama, Mark	Trafny, D. J., Freeman, L. M., Bulmer, B. J., MacGregor, J. M., Rush, J. E., Meurs, K. M., & Oyama, M. A. (2012). Auscultatory, echocardiographic, biochemical, nutritional, and environmental characteristics of mitral valve disease in Norfolk terriers. <i>J Vet Cardiol</i> , 14(1), 261-267. doi:10.1016/j.jvc.2011.10.002
2012	1384	Purdue University; Naughton, James	Naughton, J. F., Widmer, W. R., Constable, P. D., & Knapp, D. W. (2012). Accuracy of three-dimensional and two-dimensional ultrasonography for measurement of tumor volume in dogs with transitional cell carcinoma of the urinary bladder. <i>Am J Vet Res</i> , 73(12), 1919-1924. doi:10.2460/ajvr.73.12.1919
2012	1410	National Human Genome Research Institute; Ostrander, Elaine	Shearin, A. L., Hedan, B., Cadieu, E., Erich, S. A., Schmidt, E. V., Faden, D. L., . . . Ostrander, E. A. (2012). The MTAP-CDKN2A locus confers susceptibility to a naturally occurring canine cancer. <i>Cancer Epidemiol Biomarkers Prev</i> , 21(7), 1019-1027. doi:10.1158/1055-9965.EPI-12-0190-T
2012	1418	Texas A&M Research Foundation; Wilson-Robles, Heather	O'Connor, C. M., Sheppard, S., Hartline, C. A., Huls, H., Johnson, M., Palla, S. L., . . . Cooper, L. J. (2012). Adoptive T-cell therapy improves treatment of canine non-Hodgkin lymphoma post chemotherapy. <i>Sci Rep</i> , 2, 249. doi:10.1038/srep00249
2012	1455	University of Georgia; Platt, Simon	Barber, R. M., Porter, B. F., Li, Q., May, M., Claiborne, M. K., Allison, A. B., . . . Schatzberg, S. J. (2012). Broadly reactive polymerase chain reaction for pathogen detection in canine granulomatous meningoencephalomyelitis and necrotizing meningoencephalitis. <i>J Vet Intern Med</i> , 26(4), 962-968. doi:10.1111/j.1939-1676.2012.00954.x

2012	1467	Michigan State University; Stanley, Bryden	Maurer, M., Mary, J., Guillaud, L., Fender, M., Pele, M., Bilzer, T., . . . Tiret, L. (2012). Centronuclear myopathy in Labrador retrievers: a recent founder mutation in the PTPLA gene has rapidly disseminated worldwide. <i>PLoS One</i> , 7(10), e46408. doi:10.1371/journal.pone.0046408
2012	1502	University of Illinois; MacNeill, Amy	Gentschev, I., Adelfinger, M., Josupeit, R., Rudolph, S., Ehrig, K., Donat, U., . . . Szalay, A. A. (2012). Preclinical evaluation of oncolytic vaccinia virus for therapy of canine soft tissue sarcoma. <i>PLoS One</i> , 7(5), e37239. doi:10.1371/journal.pone.0037239
2012	1577	National Human Genome Research Institute; Ostrander, Elaine	Ostrander, E. A. (2012). Both ends of the leash—the human links to good dogs with bad genes. <i>New England Journal of Medicine</i> , 367(7), 636-646.
2012	1584	Western University of Health Sciences; Griffon, Dominique	Ragetly, C. A., Griffon, D. J., Hsu, M. K., Klump, L. M., & Hsiao-Wecksler, E. T. (2012). Kinetic and kinematic analysis of the right hind limb during trotting on a treadmill in Labrador Retrievers presumed predisposed or not predisposed to cranial cruciate ligament disease. <i>Am J Vet Res</i> , 73(8), 1171-1177. doi:10.2460/ajvr.73.8.1171
2012	1584	Western University of Health Sciences; Griffon, Dominique	Ragetly, C. A., Griffon, D. J., Klump, L. M., & Hsiao-Wecksler, E. T. (2012). Pelvic limb kinetic and kinematic analysis in Labrador Retrievers predisposed or at a low risk for cranial cruciate ligament disease. <i>Vet Surg</i> , 41(8), 973-982. doi:10.1111/j.1532-950X.2012.01042.x
2012	1601	University of Utrecht; Leegwater, Peter	van Steenbeek, F. G., van den Bossche, L., Leegwater, P. A., & Rothuizen, J. (2012). Inherited liver shunts in dogs elucidate pathways regulating embryonic development and clinical disorders of the portal vein. <i>Mamm Genome</i> , 23(1-2), 76-84. doi:10.1007/s00335-011-9364-0
2012	1609	Iowa State University; Jergens, Albert	Otoni, C., Heilmann, R., Garcia-Sancho, M., Suchodolski, J., Steiner, J., & Jergens, A. (2012). Serologic And Fecal Markers In Prediction Of Acute Disease Course In Canine Chronic Enteropathies. <i>J Vet Intern Med</i> , 26(3), 768-769.
2012	1683	University of Pennsylvania; Holt, David	Madajewski, B., Judy, B. F., Mouchli, A., Kapoor, V., Holt, D., Wang, M. D., . . . Singhal, S. (2012). Intraoperative near-infrared imaging of surgical wounds after tumor resections can detect residual disease. <i>Clin Cancer Res</i> , 18(20), 5741-5751. doi:10.1158/1078-0432.CCR-12-1188