

2012 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
01410B	Andre, C., & Passais, J. (2012). Le chien dans la pathologie et la génétique comparée: Exemples de maladies et de gènes partagés entre l'homme et le chien. <i>Bulletin de l'Académie vétérinaire de France</i> , (1), 215. https://doi.org/10.4267/2042/48210	CNRS - University of Rennes; Andre
00947A	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 Genetics</i> , 205(11), 572–587. https://doi.org/10.1016/j.cancergen.2012.09.005	North Carolina State University; Breen
01455	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>Journal of Veterinary Internal Medicine</i> , 26(4), 962–968. https://doi.org/10.1111/j.1939-1676.2012.00954.x	University of Georgia; Platt
0001280	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>Journal of the American Veterinary Medical Association</i> , 240(9), 1073–1083. https://doi.org/10.2460/javma.240.9.1073	Texas A&M University; Boothe
01226-A	Boudreaux, B. B., Smith, A. N., Lee, H. P., Boothe, D. M., Higginbotham, M. L., 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>International Journal of Applied Research in Veterinary Medicine</i> 10(1), 11. https://www.jarvm.com/articles/Vol10Iss1/Boudreaux.pdf	Auburn University; Smith
01502-A	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. https://doi.org/10.1371/journal.pone.0037239	University of Illinois; MacNeill
01152	Hafeman, S. D., Varland, D., & Dow, S. W. (2012). Bisphosphonates significantly increase the activity of doxorubicin or vincristine against canine malignant histiocytosis cells. <i>Veterinary and Comparative Oncology</i> , 10(1), 44–56. https://doi.org/10.1111/j.1476-5829.2011.00274.x	Colorado State University; Dow

01336B	<p>Hahn, N. M., Bonney, P. L., Dhawan, D., Jones, D. R., Balch, C., Guo, Z., ... Knapp, D. W. (2012). Subcutaneous 5-Azacididine Treatment of Naturally Occurring Canine Urothelial Carcinoma: A Novel Epigenetic Approach to Human Urothelial Carcinoma Drug Development. <i>Journal of Urology</i>, 187(1), 302–309. https://doi.org/10.1016/j.juro.2011.09.010</p>	<p>National Human Genome Research Institute; Ostrander</p>
01005-A	<p>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>Journal of Veterinary Internal Medicine</i>, 26(2), 334–340. https://doi.org/10.1111/j.1939-1676.2011.00868.x</p>	<p>University of Minnesota; Patterson</p>
00961	<p>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. https://doi.org/10.2752/175303712X13403555186253</p>	<p>University of Pennsylvania; Otto</p>
00615A	<p>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 <i>in vitro</i> preclinical studies with primary B-cell malignancies. <i>Leukemia & Lymphoma</i>, 53(7), 1390–1398. https://doi.org/10.3109/10428194.2011.654337</p>	<p>University of Colorado; Modiano</p>
01265	<p>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-1β release from canine monocytes. <i>Veterinary Immunology and Immunopathology</i>, 149(1–2), 86–91. https://doi.org/10.1016/j.vetimm.2012.05.004</p>	<p>University of Wollongong; Sluyter</p>
01265	<p>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>Veterinary Immunology and Immunopathology</i>, 150(3–4), 228–233. https://doi.org/10.1016/j.vetimm.2012.09.040</p>	<p>University of Wollongong; Sluyter</p>
01142	<p>Kleman, M. E., Estrada, A. H., Maisenbacher, H. W., Prošek, 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>Journal of Veterinary Cardiology</i>, 14(2), 351–361. https://doi.org/10.1016/j.jvc.2011.11.008</p>	<p>University of Florida; Estrada</p>
01312	<p>Lindholm-Perry, A. K., Kuehn, L. A., Snelling, W. M., Smith, T. P. L., 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>Animal Genetics</i>, 43(1), 112. https://doi.org/10.1111/j.1365-2052.2011.02220.x</p>	<p>Clemson University; Starr-Moss</p>

01683-A	<p>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>Clinical Cancer Research</i>, 18(20), 5741–5751. https://doi.org/10.1158/1078-0432.CCR-12-1188</p>	University of Pennsylvania; Holt
01467	<p>Maurer, M., Mary, J., Guillaud, L., Fender, M., Pelé, 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. https://doi.org/10.1371/journal.pone.0046408</p>	Michigan State University; Stanley
00830-AT	<p>Metivier, K. S., Deitz, K., Xu, W. W., Conzemius, M., & Wilke, V. L. (2012). Gene expression profiling demonstrates differential expression of osteopontin in follicular thyroid carcinomas compared to normal thyroid tissue in dogs. <i>Veterinary and Comparative Oncology</i>, 12(3), 181–197. https://doi.org/10.1111/j.1476-5829.2012.00348.x</p>	University of Minnesota; Wilke
00982	<p>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>Molecular Therapy</i>, 20(12), 2234–2243. https://doi.org/10.1038/mt.2012.149</p>	ApopLogic Pharmaceuticals, LLC; Bellgrau
00866-A	<p>Narfström, K., Jeong, M., Hyman, J., Madsen, R. W., & Bergström, T. F. (2012). Assessment of Hereditary Retinal Degeneration in the English Springer Spaniel Dog and Disease Relationship to an <i>RPGRIP1</i> Mutation. <i>Stem Cells International</i>, 2012, 1–12. https://doi.org/10.1155/2012/685901</p>	University of Missouri, Columbia; Narfstrom
01384-A	<p>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>American Journal of Veterinary Research</i>, 73(12), 1919–1924. https://doi.org/10.2460/ajvr.73.12.1919</p>	Purdue University; Naughton
01418	<p>O'Connor, C. M., Sheppard, S., Hartline, C. A., Huls, H., Johnson, M., Palla, S. L., ... Cooper, L. J. N. (2012). Adoptive T-cell therapy improves treatment of canine non-Hodgkin lymphoma post chemotherapy. <i>Scientific Reports</i>, 2(1). https://doi.org/10.1038/srep00249</p>	Texas A&M Research Foundation; Wilson-Robles
01577	<p>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. https://doi.org/10.1056/NEJMra1204453</p>	National Human Genome Research Institute; Ostrander

01584	Ragetly, C. A., Griffon, D. J., Hsu, M. K. I., 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>American Journal of Veterinary Research</i> , 73(8), 1171–1177. https://doi.org/10.2460/ajvr.73.8.1171	Western University of Health Sciences; Griffon
01584	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: Pelvic Limbs Kinetic and Kinematic Analysis in Labrador Retrievers. <i>Veterinary Surgery</i> , 41(8), 973–982. https://doi.org/10.1111/j.1532-950X.2012.01042.x	Western University of Health Sciences; Griffon
0002614	Seppälä, E. H., Koskinen, L. L. E., Gulløv, 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. https://doi.org/10.1371/journal.pone.0033549	University of California, Davis; Oberbauer
01410A	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 Epidemiology Biomarkers & Prevention</i> , 21(7), 1019–1027. https://doi.org/10.1158/1055-9965.EPI-12-0190-T	National Human Genome Research Institute; Ostrander
01271A	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>Journal of the Neurological Sciences</i> , 318(1–2), 55–64. https://doi.org/10.1016/j.jns.2012.04.003	Broad Institute; Lindblad-Toh
01064-A	Shoeneman, J. K., Ehrhart, E. J., Eickhoff, J. C., Charles, J. B., Powers, B. E., & Thamm, D. H. (2012). Expression and Function of Survivin in Canine Osteosarcoma. <i>Cancer Research</i> , 72(1), 249–259. https://doi.org/10.1158/0008-5472.CAN-11-2315	Colorado State University; Thamm
00945	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. https://doi.org/10.1371/journal.pone.0039333	Iowa State University; Jergens
01031-A	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>Veterinary Clinical Pathology</i> , n/a-n/a. https://doi.org/10.1111/j.1939-165X.2011.00391.x	University of Guelph; Wood

0002254A	<p>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. https://doi.org/10.1371/journal.pone.0043720</p>	AMC Cancer Research Center; Modiano
0002254A	<p>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. https://doi.org/10.1016/j.bone.2011.10.012</p>	AMC Cancer Research Center; Modiano
01365-A	<p>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>Journal of Veterinary Cardiology</i>, 14(1), 261–267. https://doi.org/10.1016/j.jvc.2011.10.002</p>	University of Pennsylvania; Oyama
00934	<p>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>Mammalian Genome</i>, 23(1–2), 203–211. https://doi.org/10.1007/s00335-011-9376-9</p>	Texas A&M University; Clark
0002214T	<p>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>American Journal of Veterinary Research</i>, 73(9), 1335–1343. https://doi.org/10.2460/ajvr.73.9.1335</p>	North Carolina State University; Breen
00927	<p>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>Veterinary Pathology</i>, 49(5), 852–859. https://doi.org/10.1177/0300985811412622</p>	North Carolina State University; Olby
01601	<p>van Steenbeek, F. G., van den Bossche, L., Leegwater, P. A. J., & Rothuizen, J. (2012). Inherited liver shunts in dogs elucidate pathways regulating embryonic development and clinical disorders of the portal vein. <i>Mammalian Genome</i>, 23(1–2), 76–84. https://doi.org/10.1007/s00335-011-9364-0</p>	University of Utrecht; Leegwater
00970	<p>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 Transplantation</i>, 21(10), 2189–2200. https://doi.org/10.3727/096368912X636821</p>	University of Pennsylvania; Volk

00945	<p>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>American Journal of Veterinary Research</i>, 73(8), 1219–1229. https://doi.org/10.2460/ajvr.73.8.1219</p>	Iowa State University; Jergens
01180-A	<p>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>Journal of the American Veterinary Medical Association</i>, 240(5), 555–562. https://doi.org/10.2460/javma.240.5.555</p>	Texas A&M University; Levine