2008 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants

CHF Grant ID	APA Citation	Institution; Principal Investigator
0001276	Bannasch, D., & Henthorn, P. S. (2009). Changing Paradigms in Diagnosis of Inherited Defects Associated with Urolithiasis. *Veterinary Clinics of North America: Small Animal Practice*, *39*(1), 111–125. https://doi.org/10.1016/j.cvsm.2008.09.006	University of Pennsylvania; Henthorn
00228T	Baumwart, R. D., & Meurs, K. M. (2008). An index of myocardial performance applied to the right ventricle of Boxers with arrhythmogenic right ventricular cardiomyopathy. *American Journal of Veterinary Research*, *69*(8), 5.	Washington State University; Meurs
0001270	Bell, R. J., Lees, G. E., & Murphy, K. E. (2008). X chromosome inactivation patterns in normal and X-linked hereditary nephropathy carrier dogs. *Cytogenetic and Genome Research*, *122*(1), 37–40. https://doi.org/10.1159/000151314	Texas A&M University; Lees
0002667	Breen, M. (2008). Canine cytogenetics - from band to basepair. *Cytogenetic and Genome Research*, *120*(1–2), 50–60. https://doi.org/10.1159/000118740	North Carolina State University; Breen
0001626	Breen, Matthew, & Modiano, J. F. (2008). Evolutionarily conserved cytogenetic changes in hematological malignancies of dogs and humans – man and his best friend share more than companionship. *Chromosome Research*, *16*(1), 145–154. https://doi.org/10.1007/s10577-007-1212-4	Texas A&M University; Modiano
00803-A	Burgener, I. A., König, A., Allenspach, K., Sauter, S. N., Boisclair, J., Doherr, M. G., & Jungi, T. W. (2008). Upregulation of Toll-Like Receptors in Chronic Enteropathies in Dogs. *Journal of Veterinary Internal Medicine*, *22*(3), 553–560. https://doi.org/10.1111/j.1939-1676.2008.0093.x	University of Bern; Burgener
00683-A	Burgess, H., & Wood, D. (2008). Validation of a von Willebrand factor antigen enzyme-linked immunosorbent assay and newly developed collagen-binding assay. *The Canadian Journal of Veterinary Research*, *72*, 420–427. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2568046/	University of Guelph; Wood

00709-A	Chen, X., Johnson, G. S., Schnabel, R. D., Taylor, J. F., Johnson, G. C., Parker, H. G., … O'Brien, D. P. (2008). A neonatal encephalopathy with seizures in Standard Poodle Dogs with a missense mutation in the canine ortholog of ATF2. *Neurogenetics*, *9*(1), 41–49. https://doi.org/10.1007/s10048-007-0112-2	University of Missouri, Columbia; O'Brien
00960	Coronado, V. A., O'Neill, B., Nanji, M., & Cox, D. W. (2008). Polymorphisms in canine ATP7B: Candidate modifier of copper toxicosis in the Bedlington Terrier. *The Veterinary Journal*, *177*(2), 293–296. https://doi.org/10.1016/j.tvjl.2007.04.012	University of Alberta; Mason
0002433	Duffy, D. L., Hsu, Y., & Serpell, J. A. (2008). Breed differences in canine aggression. *Applied Animal Behaviour Science*, *114*(3–4), 441–460. https://doi.org/10.1016/j.applanim.2008.04.006	University of Pennsylvania; Serpell
00237	Duncan, A. W., Marr, H. S., Birkenheuer, A. J., Maggi, R. G., Williams, L. E., Correa, M. T., & Breitschwerdt, E. B. (2008). Bartonella DNA in the Blood and Lymph Nodes of Golden Retrievers with Lymphoma and in Healthy Controls. *Journal of Veterinary Internal Medicine*, *22*(1), 89–95. https://doi.org/10.1111/j.1939-1676.2007.0018.x	North Carolina State University; Breitschwerdt
0002336	Fitzgerald, S. D., Rumbeiha, W. K., Braselton, W. E., Downend, A. B., & Otto, C. M. (2008). Pathology and Toxicology Findings for Search-and-Rescue Dogs Deployed to the September 11, 2001, Terrorist Attack Sites: Initial Five-Year Surveillance. *Journal of Veterinary Diagnostic Investigation*, *20*(4), 477–484. https://doi.org/10.1177/104063870802000410	University of Pennsylvania; Otto
00754B	Fleischer, S., Sharkey, M., Mealey, K., Ostrander, E. A., & Martinez, M. (2008). Pharmacogenetic and Metabolic Differences Between Dog Breeds: Their Impact on Canine Medicine and the Use of the Dog as a Preclinical Animal Model. *The AAPS Journal*, *10*(1), 110–119. https://doi.org/10.1208/s12248-008-9011-1	National Human Genome Research Institute; Ostrander
0002337	Fox, P. R., Puschner, B., & Ebel, J. G. (2008). Assessment of acute injuries, exposure to environmental toxins, and five-year health surveillance of New York Police Department working dogs following the September 11, 2001, World Trade Center terrorist attack. *Journal of the American Veterinary Medical Association*, *233*(1), 48–59. https://doi.org/10.2460/javma.233.1.48	The Animal Medical Center; Fox
0001808B	Galibert, F., & André, C. (2008). The dog: A powerful model for studying genotype–phenotype relationships. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, *3*(1), 67–77. https://doi.org/10.1016/j.cbd.2007.06.001	CNRS - University of Rennes; Galibert

00779	Gibson-Corley, K. N., Hostetter, J. M., Hostetter, S. J., Mullin, K., Ramer-Tait, A. E., Boggiatto, P. M., & Petersen, C. A. (2008). Disseminated *Leishmania infantum* infection in two sibling foxhounds due to possible vertical transmission. *The Canadian Veterinary Journal = La Revue Veterinaire Canadienne*, *49*(10), 1005–1008.	Texas A&M University; Murphy
00457-A	Hawkins, E. C., Johnson, L. R., Guptill, L., Marr, H. S., Breitschwerdt, E. B., & Birkenheuer, A. J. (2008). Failure to identify an association between serologic or molecular evidence of *Bartonella* infection and idiopathic rhinitis in dogs. *Journal of the American Veterinary Medical Association*, *233*(4), 597–599. https://doi.org/10.2460/javma.233.4.597	North Carolina State University; Birkenheuer
0001808A	Hitte, C., Kirkness, E. F., Ostrander, E. A., & Galibert, F. (2008). Survey Sequencing and Radiation Hybrid Mapping to Construct Comparative Maps. *Phylogenomics. Methods in Molecular Biology*, *422*, 65–77. https://doi.org/10.1007/978-1-59745-581-7_5	Fred Hutchinson Cancer Research Center; Ostrander
00373A	Karlsson, E. K., & Lindblad-Toh, K. (2008). Leader of the pack: gene mapping in dogs and other model organisms. *Nature Reviews Genetics*, *9*(9), 713–725. https://doi.org/10.1038/nrg2382	Broad Institute; Lindblad-Toh
00732	Katz, M. L., Coates, J. R., Cooper, J. J., O'Brien, D. P., Jeong, M., & Narfstro¨m, K. (2008). Retinal Pathology in a Canine Model of Late Infantile Neuronal Ceroid Lipofuscinosis. *Investigative Ophthalmology & Visual Science*, *49*(6), 2686. https://doi.org/10.1167/iovs.08-1712	University of Missouri, Columbia; Katz
00640T	Levine, J. M., Fosgate, G. T., Porter, B., Schatzberg, S. J., & Greer, K. (2008). Epidemiology of Necrotizing Meningoencephalitis in Pug Dogs. *Journal of Veterinary Internal Medicine*, *22*(4), 961–968. https://doi.org/10.1111/j.1939-1676.2008.0137.x	Indiana University East; Greer
00595	Lund, J. R., Paoloni, M., Kurzman, I., Padilla, M., & Argyle, D. J. (2008). Inhibition of canine telomerase in vitro and in vivo using RNAi: Further development of a natural canine model for telomerase-based cancer therapies. *The Veterinary Journal*, *177*(2), 192–197. https://doi.org/10.1016/j.tvjl.2007.09.015	University of Edinburgh; Argyle
00812-A	Mausberg, E.-M., Drogemuller, C., Dolf, G., Rufenacht, S., Welle, M., & Leeb, T. (2008). Exclusion of patched homolog 2 (PTCH2) as a candidate gene for alopecia X in Pomeranians and Keeshonden. *Veterinary Record*, *163*(4), 121–123. https://doi.org/10.1136/vr.163.4.121	University of Bern; Leeb

00752	Mealey, K. L., Jabbes, M., Spencer, E., & Akey, J. M. (2008). Differential expression of CYP3A12 and CYP3A26 mRNAs in canine liver and intestine. *Xenobiotica*, *38*(10), 1305–1312. https://doi.org/10.1080/00498250802446146	University of Washington; Akey
00732	O'Brien, D. P., & Katz, M. L. (2008). Neuronal Ceroid Lipofuscinosis in 3 Australian Shepherd Littermates. *Journal of Veterinary Internal Medicine*, *22*(2), 472–475. https://doi.org/10.1111/j.1939-1676.2008.0079.x	University of Missouri, Columbia; Katz
0002227	Oberbauer, A. M., Hollingsworth, S. R., Belanger, J. M., Regan, K. R., & Famula, T. R. (2008). Inheritance of cataracts and primary lens luxation in Jack Russell Terriers. *American Journal of Veterinary Research*, *69*(2), 222–227. https://doi.org/10.2460/ajvr.69.2.222	University of California, Davis; Oberbauer
00228T	Oyama, M. A., Reiken, S., Lehnart, S. E., Chittur, S. V., Meurs, K. M., Stern, J., & Marks, A. R. (2008). Arrhythmogenic right ventricular cardiomyopathy in Boxer dogs is associated with calstabin2 deficiency. *Journal of Veterinary Cardiology*, *10*(1), 1–10. https://doi.org/10.1016/j.jvc.2008.04.003	Washington State University; Meurs
00352	Patterson, E. E., Minor, K. M., Tchernatynskaia, A. V., Taylor, S. M., Shelton, G. D., Ekenstedt, K. J., & Mickelson, J. R. (2008). A canine DNM1 mutation is highly associated with the syndrome of exercise-induced collapse. *Nature Genetics*, *40*(10), 1235–1239. https://doi.org/10.1038/ng.224	University of Minnesota; Mickelson
0001268	Spady, T. C., & Ostrander, E. A. (2008). Canine Behavioral Genetics: Pointing Out the Phenotypes and Herding up the Genes. *The American Journal of Human Genetics*, *82*(1), 10–18. https://doi.org/10.1016/j.ajhg.2007.12.001	Fred Hutchinson Cancer Research Center; Ostrander
0001268	Sutter, N. B., Mosher, D. S., Gray, M. M., & Ostrander, E. A. (2008). Morphometrics within dog breeds are highly reproducible and dispute Rensch's rule. *Mammalian Genome*, *19*(10–12), 713–723. https://doi.org/10.1007/s00335-008-9153-6	Fred Hutchinson Cancer Research Center; Ostrander
00403	Thomas, R., Duke, S. E., Karlsson, E. K., Evans, A., Ellis, P., Lindblad-Toh, K., … Breen, M. (2008). A genome assembly-integrated dog 1 Mb BAC microarray: a cytogenetic resource for canine cancer studies and comparative genomic analysis. *Cytogenetic and Genome Research*, *122*(2), 110–121. https://doi.org/10.1159/000163088	North Carolina State University; Breen

00833-A	Vasanjee, S. C., Paulsen, D., Hosgood, G., Robinson, S. O., & Lopez, M. J. (2008). Characterization of normal canine anterior cruciate ligament–associated synoviocytes. *Journal of Orthopaedic Research*, *26*(6), 809–815. https://doi.org/10.1002/jor.20552	Louisiana State University; Lopez