

2010 Peer-Reviewed Publications from AKC Canine Health Foundation Funding



Year of Publication	CHF Grant ID	Institution/Principal Investigator	APA Citation
2010	0002	Fred Hutchinson Cancer Research Center; Ostrander, Elaine	Pollinger, J. P., Lohmueller, K. E., Han, E., Parker, H. G., Quignon, P., Degenhardt, J. D., . . . Reynolds, A. (2010). Genome-wide SNP and haplotype analyses reveal a rich history underlying dog domestication. <i>Nature</i> , 464(7290), 898.
2010	0038	University of California, Davis; Oberbauer, Anita	Oberbauer, A. M., Belanger, J. M., Grossman, D. I., Regan, K. R., & Famula, T. R. (2010). Genome-wide linkage scan for loci associated with epilepsy in Belgian shepherd dogs. <i>BMC Genet</i> , 11(1), 35. doi:10.1186/1471-2156-11-35
2010	0056	North Carolina State University; Marcellin-Little, Denis	Chanoit, G., Singhani, N. N., Marcellin-Little, D. J., & Osborne, J. A. (2010). Comparison of five radiographic views for assessment of the medial aspect of the humeral condyle in dogs with osteochondritis dissecans. <i>Am J Vet Res</i> , 71(7), 780-783.
2010	0094	University of California, Davis; London, Cheryl	Lin, T. Y., Fenger, J., Murahari, S., Bear, M. D., Kulp, S. K., Wang, D., . . . London, C. A. (2010). AR-42, a novel HDAC inhibitor, exhibits biologic activity against malignant mast cell lines via down-regulation of constitutively activated Kit. <i>Blood</i> , 115(21), 4217-4225. doi:10.1182/blood-2009-07-231985
2010	0137	AMC Cancer Research Center; Modiano, Jaime	Tamburini, B. A., Phang, T. L., Fosmire, S. P., Scott, M. C., Trapp, S. C., Duckett, M. M., . . . Modiano, J. F. (2010). Gene expression profiling identifies inflammation and angiogenesis as distinguishing features of canine hemangiosarcoma. <i>BMC Cancer</i> , 10, 619. doi:10.1186/1471-2407-10-619
2010	0156	Ohio State University; Meurs, Kathryn	Stern, J. A., Meurs, K. M., Spier, A. W., Koplitz, S. L., & Baumwart, R. D. (2010). Ambulatory electrocardiographic evaluation of clinically normal adult Boxers. <i>J Am Vet Med Assoc</i> , 236(4), 430-433. doi:10.2460/javma.236.4.430
2010	0279	University of California, Davis; Pedersen, Niels	Greer, K. A., Wong, A. K., Liu, H., Famula, T. R., Pedersen, N. C., Ruhe, A., . . . Neff, M. W. (2010). Necrotizing meningoencephalitis of Pug dogs associates with dog leukocyte antigen class II and resembles acute variant forms of multiple sclerosis. <i>Tissue Antigens</i> , 76(2), 110-118. doi:10.1111/j.1399-0039.2010.01484.x
2010	0325	University of California, Davis; Bannasch, Danika	Wilbe, M., Jokinen, P., Truve, K., Seppala, E. H., Karlsson, E. K., Biagi, T., . . . Lindblad-Toh, K. (2010). Genome-wide association mapping identifies multiple loci for a canine SLE-related disease complex. <i>Nat Genet</i> , 42(3), 250-254. doi:10.1038/ng.525
2010	0395	Virginia-Maryland Regional College of Veterinary Medicine; Zimmerman, Kurt	Zimmerman, K. L., Panciera, D. L., Panciera, R. J., Oliver, J. W., Hoffmann, W. E., Binder, E. M., . . . Kinnarney, J. H. (2010). Hyperphosphatasemia and concurrent adrenal gland dysfunction in apparently healthy Scottish Terriers. <i>J Am Vet Med Assoc</i> , 237(2), 178-186. doi:10.2460/javma.237.2.178
2010	0567	University of Cambridge; Sargan, David	Farias, F. H., Johnson, G. S., Taylor, J. F., Giuliano, E., Katz, M. L., Sanders, D. N., . . . Mellersh, C. (2010). An ADAMTS17 splice donor site mutation in dogs with primary lens luxation. <i>Invest Ophthalmol Vis Sci</i> , 51(9), 4716-4721. doi:10.1167/iops.09-5142
2010	0572	North Carolina State University; Olivry, Thierry	Wong, A. K., Ruhe, A. L., Dumont, B. L., Robertson, K. R., Guerrero, G., Shull, S. M., . . . Neff, M. W. (2010). A comprehensive linkage map of the dog genome. <i>Genetics</i> , 184(2), 595-605. doi:10.1534/genetics.109.106831

2010	0615	University of Colorado; Modiano, Jaime	Ito, D., O'Brien, T. D., & Modiano, J. F. (2010). Exclusion of cytoplasmic fragments in flow cytometric analysis of lymph node samples from dogs with lymphoma using membrane-permeable violet laser-excitable DNA-binding fluorescent dye (DyeCycle Violet). <i>Vet Clin Pathol</i> , 39(4), 494-498. doi:10.1111/j.1939-165X.2010.00252.x
2010	0664	Animal Health Trust; Starkey, Mike	Starkey, M. P., & Murphy, S. (2010). Using lymph node fine needle aspirates for gene expression profiling of canine lymphoma. <i>Vet Comp Oncol</i> , 8(1), 56-71. doi:10.1111/j.1476-5829.2009.00205.x
2010	0675	Purdue University; Knapp, Deborah	Greene, S. N., Ramos-Vara, J. A., Craig, B. A., Hooser, S. B., Anderson, C., Fourez, L. M., . . . Knapp, D. W. (2010). Effects of cyclooxygenase inhibitor treatment on the renal toxicity of cisplatin in rats. <i>Cancer Chemother Pharmacol</i> , 65(3), 549-556. doi:10.1007/s00280-009-1061-2
2010	0732	University of Missouri, Columbia; Katz, Martin	Sanders, D. N., Farias, F. H., Johnson, G. S., Chiang, V., Cook, J. R., O'Brien, D. P., . . . Katz, M. L. (2010). A mutation in canine PPT1 causes early onset neuronal ceroid lipofuscinosis in a Dachshund. <i>Mol Genet Metab</i> , 100(4), 349-356. doi:10.1016/j.ymgme.2010.04.009
2010	0741	University of Wisconsin, Madison; Muir, Peter	Muir, P., Fox, R., Wu, Q., Baker, T. A., Zitzer, N. C., Hudson, A. P., . . . Hao, Z. (2010). Seasonal variation in detection of bacterial DNA in arthritic stifle joints of dogs with cranial cruciate ligament rupture using PCR amplification of the 16S rRNA gene. <i>Vet Microbiol</i> , 141(1-2), 127-133. doi:10.1016/j.vetmic.2009.08.015
2010	0752	University of Washington; Akey, Joshua	Akey, J. M., Ruhe, A. L., Akey, D. T., Wong, A. K., Connelly, C. F., Madeoy, J., . . . Neff, M. W. (2010). Tracking footprints of artificial selection in the dog genome. <i>Proc Natl Acad Sci U S A</i> , 107(3), 1160-1165. doi:10.1073/pnas.0909918107
2010	0759	Purdue University; Moore, George	Moore, G. E., & HogenEsch, H. (2010). Adverse vaccinal events in dogs and cats. <i>Vet Clin North Am Small Anim Pract</i> , 40(3), 393-407. doi:10.1016/j.cvsm.2010.02.002
2010	0762	University of Missouri, Columbia; Johnson, Gary	Packer, R. A., Patterson, E. E., Taylor, J. F., Coates, J. R., Schnabel, R. D., & O'Brien, D. P. (2010). Characterization and mode of inheritance of a paroxysmal dyskinesia in Chinook dogs. <i>J Vet Intern Med</i> , 24(6), 1305-1313. doi:10.1111/j.1939-1676.2010.0629.x
2010	0778	Colorado State University; Biller, Barbara	Biller, B. J., Guth, A., Burton, J. H., & Dow, S. W. (2010). Decreased ratio of CD8+ T cells to regulatory T cells associated with decreased survival in dogs with osteosarcoma. <i>J Vet Intern Med</i> , 24(5), 1118-1123. doi:10.1111/j.1939-1676.2010.0557.x
2010	0799	Iowa State University; Petersen, Christine	Boggiatto, P. M., Ramer-Tait, A. E., Metz, K., Kramer, E. E., Gibson-Corley, K., Mullin, K., . . . Petersen, C. A. (2010). Immunologic indicators of clinical progression during canine <i>Leishmania infantum</i> infection. <i>Clin Vaccine Immunol</i> , 17(2), 267-273. doi:10.1128/CVI.00456-09
2010	0821	University of Missouri, Columbia; Coates, Joan	Coates, J. R., & Wininger, F. A. (2010). Canine degenerative myelopathy. <i>Vet Clin North Am Small Anim Pract</i> , 40(5), 929-950. doi:10.1016/j.cvsm.2010.05.001
2010	0850	University of California, San Francisco; Hamilton, Steven	Yokoyama, J. S., Erdman, C. A., & Hamilton, S. P. (2010). Array-based whole-genome survey of dog saliva DNA yields high quality SNP data. <i>PLoS One</i> , 5(5), e10809. doi:10.1371/journal.pone.0010809
2010	0883	Oregon State University; McKenzie, Erica	McKenzie, E., Lupfer, C., Banse, H., Hinchcliff, K., Love, S., Nelson, S., Jr., . . . Pasty, M. (2010). Hypogammaglobulinemia in racing Alaskan sled dogs. <i>J Vet Intern Med</i> , 24(1), 179-184. doi:10.1111/j.1939-1676.2009.0416.x
2010	0896	Purdue University; Knapp, Deborah	Abbo, A. H., Jones, D. R., Masters, A. R., Stewart, J. C., Fourez, L., & Knapp, D. W. (2010). Phase I clinical trial and pharmacokinetics of intravesical mitomycin C in dogs with localized transitional cell carcinoma of the urinary bladder. <i>J Vet Intern Med</i> , 24(5), 1124-1130. doi:10.1111/j.1939-1676.2010.0569.x
2010	0908	University of Pennsylvania; Oyama, Mark	Oyama, M., & Levy, R. (2010). Insights into serotonin signaling mechanisms associated with canine degenerative mitral valve disease. <i>J Vet Intern Med</i> , 24(1), 27-36.

2010	0917	University of Manchester; Ollier, William	Short, A. D., Mellersh, C. S., Platt, H., Carter, S. D., Timofte, D., Lohi, H., & Ollier, W. E. (2010). Exonic mutations in the L2HGDH gene in Staffordshire bull terriers. <i>Vet Rec</i> , 167(12), 455-457. doi:10.1136/vr.c4476
2010	0925	North Carolina State University; Olby, Natasha	Abitbol, M., Thibaud, J. L., Olby, N. J., Hitte, C., Puech, J. P., Maurer, M., . . . Tired, L. (2010). A canine Arylsulfatase G (ARSG) mutation leading to a sulfatase deficiency is associated with neuronal ceroid lipofuscinosis. <i>Proc Natl Acad Sci U S A</i> , 107(33), 14775-14780. doi:10.1073/pnas.0914206107
2010	0927	North Carolina State University; Olby, Natasha	Urkasemsin, G., Linder, K. E., Bell, J. S., de Lahunta, A., & Olby, N. J. (2010). Hereditary cerebellar degeneration in Scottish terriers. <i>J Vet Intern Med</i> , 24(3), 565-570. doi:10.1111/j.1939-1676.2010.0499.x
2010	0935	National Human Genome Research Institute; Ostrander, Elaine	Shearin, A. L., & Ostrander, E. A. (2010). Leading the way: canine models of genomics and disease. <i>Dis Model Mech</i> , 3(1-2), 27-34. doi:10.1242/dmm.004358
2010	0945	Iowa State University; Jergens, Albert	Suchodolski, J. S., Xenoulis, P. G., Paddock, C. G., Steiner, J. M., & Jergens, A. E. (2010). Molecular analysis of the bacterial microbiota in duodenal biopsies from dogs with idiopathic inflammatory bowel disease. <i>Vet Microbiol</i> , 142(3-4), 394-400. doi:10.1016/j.vetmic.2009.11.002
2010	0961	University of Pennsylvania; Otto, Cynthia	Otto, C. M., Downend, A. B., Moore, G. E., Daggy, J. K., Ranivand, D. L., Reetz, J. A., & Fitzgerald, S. D. (2010). Medical surveillance of search dogs deployed to the World Trade Center and Pentagon: 2001-2006. <i>J Environ Health</i> , 73(2), 12-21.
2010	0975	Ohio State University; London, Cheryl	Lin, T. Y., & London, C. A. (2010). Characterization and modulation of canine mast cell derived eicosanoids. <i>Vet Immunol Immunopathol</i> , 135(1-2), 118-127. doi:10.1016/j.vetimm.2009.11.010
2010	0985	Ohio State University; Chandler, Heather	Chandler, H. L., Gemensky-Metzler, A. J., Bras, I. D., Robbin-Webb, T. E., Saville, W. J., & Colitz, C. M. (2010). In vivo effects of adjunctive tetracycline treatment on refractory corneal ulcers in dogs. <i>J Am Vet Med Assoc</i> , 237(4), 378-386. doi:10.2460/javma.237.4.378
2010	0990	University of Cambridge; Sargan, David	Aguirre-Hernández, J., Polton, G., Kennedy, L., & Sargan, D. (2010). Association between anal sac gland carcinoma and dog leukocyte antigen-DQB1 in the English Cocker Spaniel. <i>HLA</i> , 76(6), 476-481.
2010	1005	University of Minnesota; Patterson, Ned	Munana, K. R., Zhang, D., & Patterson, E. E. (2010). Placebo effect in canine epilepsy trials. <i>J Vet Intern Med</i> , 24(1), 166-170. doi:10.1111/j.1939-1676.2009.0407.x
2010	1018	Iowa State University; Rothschild, Max	Zhao, X., Du, Z. Q., & Rothschild, M. F. (2010). An association study of 20 candidate genes with cryptorchidism in Siberian Husky dogs. <i>J Anim Breed Genet</i> , 127(4), 327-331. doi:10.1111/j.1439-0388.2010.00859.x
2010	1062	University of Illinois; Griffon, Dominique	Griffon, D. J. (2010). A review of the pathogenesis of canine cranial cruciate ligament disease as a basis for future preventive strategies. <i>Vet Surg</i> , 39(4), 399-409. doi:10.1111/j.1532-950X.2010.00654.x
2010	1062	University of Illinois; Griffon, Dominique	Mostafa, A. A., Griffon, D. J., Thomas, M. W., & Constable, P. D. (2010). Morphometric characteristics of the pelvic limb musculature of Labrador Retrievers with and without cranial cruciate ligament deficiency. <i>Vet Surg</i> , 39(3), 380-389. doi:10.1111/j.1532-950X.2010.00657.x
2010	1062	University of Illinois; Griffon, Dominique	Ragetly, C. A., Griffon, D. J., Mostafa, A. A., Thomas, J. E., & Hsiao-Weckler, E. T. (2010). Inverse dynamics analysis of the pelvic limbs in Labrador Retrievers with and without cranial cruciate ligament disease. <i>Vet Surg</i> , 39(4), 513-522. doi:10.1111/j.1532-950X.2010.00680.x
2010	1062	University of Illinois; Griffon, Dominique	Unis, M. D., Johnson, A. L., Griffon, D. J., Schaeffer, D. J., Ragetly, G. R., Hoffer, M. J., & Ragetly, C. A. (2010). Evaluation of intra- and interobserver variability and repeatability of tibial plateau angle measurements with digital radiography using a novel digital radiographic program. <i>Vet Surg</i> , 39(2), 187-194. doi:10.1111/j.1532-950X.2009.00641.x

2010	1074	Oregon State University; McKenzie, Erica	McKenzie, E., Riehl, J., Banse, H., Kass, P. H., Nelson, S., Jr., & Marks, S. L. (2010). Prevalence of diarrhea and enteropathogens in racing sled dogs. <i>J Vet Intern Med</i> , 24(1), 97-103. doi:10.1111/j.1939-1676.2009.0418.x
2010	1083	University of Pennsylvania; Casal, Margret	Mauldin, E. A., Morris, D. O., Brown, D. C., & Casal, M. L. (2010). Exfoliative cutaneous lupus erythematosus in German shorthaired pointer dogs: disease development, progression and evaluation of three immunomodulatory drugs (cyclosporin, hydroxychloroquine, and adalimumab) in a controlled environment. <i>Vet Dermatol</i> , 21(4), 373-382. doi:10.1111/j.1365-3164.2010.00867.x
2010	1093	National Human Genome Research Institute; Ostrander, Elaine	Parker, H. G., Shearin, A. L., & Ostrander, E. A. (2010). Man's best friend becomes biology's best in show: genome analyses in the domestic dog. <i>Annu Rev Genet</i> , 44, 309-336. doi:10.1146/annurev-genet-102808-115200
2010	1099	University of Georgia; Schatzberg, Scott	Barber, R. M., Li, Q., Diniz, P. P., Porter, B. F., Breitschwerdt, E. B., Claiborne, M. K., . . . Schatzberg, S. J. (2010). Evaluation of brain tissue or cerebrospinal fluid with broadly reactive polymerase chain reaction for Ehrlichia, Anaplasma, spotted fever group Rickettsia, Bartonella, and Borrelia species in canine neurological diseases (109 cases). <i>J Vet Intern Med</i> , 24(2), 372-378. doi:10.1111/j.1939-1676.2009.0466.x
2010	1099	University of Georgia; Schatzberg, Scott	Nghiem, P. P., & Schatzberg, S. J. (2010). Conventional and molecular diagnostic testing for the acute neurologic patient. <i>J Vet Emerg Crit Care (San Antonio)</i> , 20(1), 46-61. doi:10.1111/j.1476-4431.2009.00495.x
2010	1099	University of Georgia; Schatzberg, Scott	Talarico, L. R., & Schatzberg, S. J. (2010). Idiopathic granulomatous and necrotising inflammatory disorders of the canine central nervous system: a review and future perspectives. <i>J Small Anim Pract</i> , 51(3), 138-149. doi:10.1111/j.1748-5827.2009.00823.x
2010	1152	Colorado State University; Dow, Steven	Hafeman, S., London, C., Elmslie, R., & Dow, S. (2010). Evaluation of liposomal clodronate for treatment of malignant histiocytosis in dogs. <i>Cancer Immunol Immunother</i> , 59(3), 441-452. doi:10.1007/s00262-009-0763-y
2010	1179	Dermatology for Animals; Campbell, Jacquelyn	Campbell, J. J., Coyner, K. S., Rankin, S. C., Lewis, T. P., Schick, A. E., & Shumaker, A. K. (2010). Evaluation of fungal flora in normal and diseased canine ears. <i>Vet Dermatol</i> , 21(6), 619-625. doi:10.1111/j.1365-3164.2010.00927.x
2010	1180	Texas A&M University; Levine, Gwendolyn	Levine, G. J., Levine, J. M., Witsberger, T. H., Kerwin, S. C., Russell, K. E., Suchodolski, J., . . . Fosgate, G. T. (2010). Cerebrospinal fluid myelin basic protein as a prognostic biomarker in dogs with thoracolumbar intervertebral disk herniation. <i>J Vet Intern Med</i> , 24(4), 890-896. doi:10.1111/j.1939-1676.2010.0531.x
2010	1186	Virginia-Maryland Regional College of Veterinary Medicine; Jones, Jeryl	Ober, C. P., Jones, J. C., Larson, M. M., & Lanz, O. I. (2010). Computed tomographic and cross-sectional anatomic characterization of myofascial compartments and soft tissue spaces in the manus in cadavers of dogs without forelimb disease. <i>Am J Vet Res</i> , 71(2), 138-149.
2010	1186	Virginia-Maryland Regional College of Veterinary Medicine; Jones, Jeryl	Ober, C. P., Jones, J. C., Larson, M. M., Lanz, O. I., & Werre, S. R. (2010). Modeling of the spread of infection in the interdigital spaces of the manus in limbs from clinically normal dogs. <i>Am J Vet Res</i> , 71(3), 268-274. doi:10.2460/ajvr.71.3.268