

2013 Peer-Reviewed Publications from AKC Canine Health Foundation Funding



Year of Publication	CHF Grant ID	Institution/Principal Investigator	APA Citation
2013	0002	Fred Hutchinson Cancer Research Center; Ostrander, Elaine	Rimbault, M., Beale, H. C., Schoenebeck, J. J., Hoopes, B. C., Allen, J. J., Kilroy-Glynn, P., . . . Ostrander, E. A. (2013). Derived variants at six genes explain nearly half of size reduction in dog breeds. <i>Genome Res</i> , 23(12), 1985-1995. doi:10.1101/gr.157339.113
2013	0010	North Carolina State University; Vaden, Shelly	Vaden, S. L., Littman, M. P., & Cianciolo, R. E. (2013). Familial renal disease in soft-coated wheaten terriers. <i>J Vet Emerg Crit Care (San Antonio)</i> , 23(2), 174-183. doi:10.1111/vec.12027
2013	0137	AMC Cancer Research Center; Modiano, Jaime	Frantz, A. M., Sarver, A. L., Ito, D., Phang, T. L., Karimpour-Fard, A., Scott, M. C., . . . Modiano, J. F. (2013). Molecular profiling reveals prognostically significant subtypes of canine lymphoma. <i>Vet Pathol</i> , 50(4), 693-703. doi:10.1177/0300985812465325
2013	0137	AMC Cancer Research Center; Modiano, Jaime	Karlsson, E. K., Sigurdsson, S., Ivansson, E., Thomas, R., Elvers, I., Wright, J., . . . Lindblad-Toh, K. (2013). Genome-wide analyses implicate 33 loci in heritable dog osteosarcoma, including regulatory variants near CDKN2A/B. <i>Genome Biol</i> , 14(12), R132. doi:10.1186/gb-2013-14-12-r132
2013	0137	AMC Cancer Research Center; Modiano, Jaime	Sarver, A. L., Thayanithy, V., Scott, M. C., Cleton-Jansen, A. M., Hogendoorn, P. C., Modiano, J. F., & Subramanian, S. (2013). MicroRNAs at the human 14q32 locus have prognostic significance in osteosarcoma. <i>Orphanet J Rare Dis</i> , 8(1), 7. doi:10.1186/1750-1172-8-7
2013	0276	Cornell University; Moise, Sydney	Jesty, S. A., Jung, S. W., Cordeiro, J. M., Gunn, T. M., Di Diego, J. M., Hemsley, S., . . . Moise, N. S. (2013). Cardiomyocyte calcium cycling in a naturally occurring German shepherd dog model of inherited ventricular arrhythmia and sudden cardiac death. <i>J Vet Cardiol</i> , 15(1), 5-14. doi:10.1016/j.jvc.2012.07.005
2013	0369	University of Dayton; Wright, Shirley	Lunn, M. O., & Wright, S. J. (2013). Distinct subtypes of zona pellucida morphology reflect canine oocyte viability and cumulus-oocyte complex quality. <i>Theriogenology</i> , 80(5), 498-506. doi:10.1016/j.theriogenology.2013.05.013
2013	0580	University of Utrecht; Hazewinkel, Herman	Lavrijsen, I. C., Heuven, H. C., Breur, G. J., Leegwater, P. A., Meutstege, F. J., & Hazewinkel, H. A. (2013). Phenotypic and genetic trends of patellar luxation in Dutch Flat-Coated Retrievers. <i>Anim Genet</i> , 44(6), 736-741. doi:10.1111/age.12077
2013	0613	North Carolina State University; Breen, Matthew	Seiser, E. L., Thomas, R., Richards, K. L., Kelley, M. K., Moore, P., Suter, S. E., & Breen, M. (2013). Reading between the lines: molecular characterization of five widely used canine lymphoid tumour cell lines. <i>Vet Comp Oncol</i> , 11(1), 30-50. doi:10.1111/j.1476-5829.2011.00299.x
2013	0768	University of Illinois; Valli, Ted	Valli, V. E., Kass, P. H., San Myint, M., & Scott, F. (2013). Canine lymphomas: association of classification type, disease stage, tumor subtype, mitotic rate, and treatment with survival. <i>Vet Pathol</i> , 50(5), 738-748. doi:10.1177/0300985813478210
2013	0779	Texas A&M University; Murphy, William	Li, G., Davis, B. W., Raudsepp, T., Pearks Wilkerson, A. J., Mason, V. C., Ferguson-Smith, M., . . . Murphy, W. J. (2013). Comparative analysis of mammalian Y chromosomes illuminates ancestral structure and lineage-specific evolution. <i>Genome Res</i> , 23(9), 1486-1495. doi:10.1101/gr.154286.112

2013	0821	University of Missouri, Columbia; Coates, Joan	Crisp, M. J., Beckett, J., Coates, J. R., & Miller, T. M. (2013). Canine degenerative myelopathy: biochemical characterization of superoxide dismutase 1 in the first naturally occurring non-human amyotrophic lateral sclerosis model. <i>Exp Neurol</i> , 248, 1-9. doi:10.1016/j.expneurol.2013.05.009
2013	0903	Michigan State University; Petersen-Jones, Simon	Winkler, P. A., Bartoe, J. T., Quinones, C. R., Venta, P. J., & Petersen-Jones, S. M. (2013). Exclusion of eleven candidate genes for ocular melanosis in Cairn terriers. <i>J Negat Results Biomed</i> , 12, 6. doi:10.1186/1477-5751-12-6
2013	0934	Texas A&M University; Clark, Leigh	Tsai, K. L., Starr-Moss, A. N., Venkataraman, G. M., Robinson, C., Kennedy, L. J., Steiner, J. M., & Clark, L. A. (2013). Alleles of the major histocompatibility complex play a role in the pathogenesis of pancreatic acinar atrophy in dogs. <i>Immunogenetics</i> , 65(7), 501-509. doi:10.1007/s00251-013-0704-y
2013	0970	University of Pennsylvania; Volk, Susan	Volk, S. W., & Theoret, C. (2013). Translating stem cell therapies: the role of companion animals in regenerative medicine. <i>Wound Repair Regen</i> , 21(3), 382-394. doi:10.1111/wrr.12044
2013	1012	National University of La Plata; Giovambattista, Guillermo	Barrientos, L. S., Zapata, G., Crespi, J. A., Posik, D. M., Diaz, S., It, V., . . . Giovambattista, G. (2013). A study of the association between chronic superficial keratitis and polymorphisms in the upstream regulatory regions of DLA-DRB1, DLA-DQB1 and DLA-DQA1. <i>Vet Immunol Immunopathol</i> , 156(3-4), 205-210. doi:10.1016/j.vetimm.2013.10.009
2013	1052	National Human Genome Research Institute; Ostrander, Elaine	Karyadi, D. M., Karlins, E., Decker, B., vonHoldt, B. M., Carpintero-Ramirez, G., Parker, H. G., . . . Ostrander, E. A. (2013). A copy number variant at the KITLG locus likely confers risk for canine squamous cell carcinoma of the digit. <i>PLoS Genet</i> , 9(3), e1003409. doi:10.1371/journal.pgen.1003409
2013	1105	University of Florida; Crawford, Cynda	Anderson, T. C., Crawford, P. C., Dubovi, E. J., Gibbs, E. P., & Hernandez, J. A. (2013). Prevalence of and exposure factors for seropositivity to H3N8 canine influenza virus in dogs with influenza-like illness in the United States. <i>J Am Vet Med Assoc</i> , 242(2), 209-216. doi:10.2460/javma.242.2.209
2013	1131	University of Minnesota; Modiano, Jaime	Schappa, J. T., Frantz, A. M., Gorden, B. H., Dickerson, E. B., Vallera, D. A., & Modiano, J. F. (2013). Hemangiosarcoma and its cancer stem cell subpopulation are effectively killed by a toxin targeted through epidermal growth factor and urokinase receptors. <i>Int J Cancer</i> , 133(8), 1936-1944. doi:10.1002/ijc.28187
2013	1180	Texas A&M University; Levine, Gwendolyn	Jeffery, N. D., Levine, J. M., Olby, N. J., & Stein, V. M. (2013). Intervertebral disk degeneration in dogs: consequences, diagnosis, treatment, and future directions. <i>J Vet Intern Med</i> , 27(6), 1318-1333. doi:10.1111/jvim.12183
2013	1190	University of Minnesota; Mickelson, James	Furrow, E., Minor, K. M., Taylor, S. M., Mickelson, J. R., & Patterson, E. E. (2013). Relationship between dynamin 1 mutation status and characteristics of recurrent episodes of exercise-induced collapse in Labrador Retrievers. <i>J Am Vet Med Assoc</i> , 242(6), 786-791. doi:10.2460/javma.242.6.786
2013	1212	University of Missouri, Columbia; Coates, Joan	Morgan, B. R., Coates, J. R., Johnson, G. C., Bujnak, A. C., & Katz, M. L. (2013). Characterization of intercostal muscle pathology in canine degenerative myelopathy: a disease model for amyotrophic lateral sclerosis. <i>J Neurosci Res</i> , 91(12), 1639-1650. doi:10.1002/jnr.23287
2013	1272	North Carolina State University; Piedrahita, Jorge	Koh, S., Thomas, R., Tsai, S., Bischoff, S., Lim, J. H., Breen, M., . . . Piedrahita, J. A. (2013). Growth requirements and chromosomal instability of induced pluripotent stem cells generated from adult canine fibroblasts. <i>Stem Cells Dev</i> , 22(6), 951-963. doi:10.1089/scd.2012.0393

2013	1421	University of Tennessee; Kania, Stephen	Moodley, A., Riley, M. C., Kania, S. A., & Guardabassi, L. (2013). Genome Sequence of <i>Staphylococcus pseudintermedius</i> Strain E140, an ST71 European-Associated Methicillin-Resistant Isolate. <i>Genome Announc</i> , 1(2), e0020712. doi:10.1128/genomeA.00207-12
2013	1421	University of Tennessee; Kania, Stephen	Solyman, S. M., Black, C. C., Duim, B., Perreten, V., van Duijkeren, E., Wagenaar, J. A., . . . Kania, S. A. (2013). Multilocus sequence typing for characterization of <i>Staphylococcus pseudintermedius</i> . <i>J Clin Microbiol</i> , 51(1), 306-310. doi:10.1128/JCM.02421-12
2013	1422	University of Texas; Ellerhorst, Julie	Greene, V. R., Wilson, H., Pfent, C., Roethele, J., Carwile, J., Qin, Y., . . . Ellerhorst, J. A. (2013). Expression of leptin and iNOS in oral melanomas in dogs. <i>J Vet Intern Med</i> , 27(5), 1278-1282. doi:10.1111/jvim.12169
2013	1480	University of California, Davis; Foley, Janet	Hennebelle, J. H., Sykes, J. E., Carpenter, T. E., & Foley, J. (2013). Spatial and temporal patterns of <i>Leptospira</i> infection in dogs from northern California: 67 cases (2001-2010). <i>J Am Vet Med Assoc</i> , 242(7), 941-947. doi:10.2460/javma.242.7.941
2013	1485	University of Pennsylvania; Littman, Meryl	Littman, M. P., Wiley, C. A., Raducha, M. G., & Henthorn, P. S. (2013). Glomerulopathy and mutations in NPHS1 and KIRREL2 in soft-coated Wheaten Terrier dogs. <i>Mamm Genome</i> , 24(3-4), 119-126. doi:10.1007/s00335-012-9445-8
2013	1488	University of California, Davis; Hart, Benjamin	Torres de la Riva, G., Hart, B. L., Farver, T. B., Oberbauer, A. M., Messam, L. L., Willits, N., & Hart, L. A. (2013). Neutering dogs: effects on joint disorders and cancers in golden retrievers. <i>PLoS One</i> , 8(2), e55937. doi:10.1371/journal.pone.0055937
2013	1490	Louisiana State University; Shiomitsu, Keijiro	Shiomitsu, K., Xia, X., Waite, K., Sehgal, I., & Li, S. (2013). Evaluation of the Aurora Kinase Inhibitor, ZM447439, in Canine Malignant Lymphoid Cells &lt;i>in Vitro</i>. <i>Open Journal of Veterinary Medicine</i> , 03(01), 29-38. doi:10.4236/ojvm.2013.31006
2013	1531	North Carolina State University; Breitschwerdt, Edward	Varanat, M., Maggi, R. G., Linder, K. E., & Breitschwerdt, E. B. (2013). Infection of human brain vascular pericytes (HBVPs) by <i>Bartonella henselae</i> . <i>Med Microbiol Immunol</i> , 202(2), 143-151. doi:10.1007/s00430-012-0279-5
2013	1533	University of Louisville; Bertocci, Gina	Brown, N. P., Bertocci, G. E., & Marcellin-Little, D. J. (2013). Development of a Canine Stifle Computer Model to Evaluate Cranial Cruciate Ligament Deficiency. <i>Journal of Mechanics in Medicine and Biology</i> , 13(02). doi:10.1142/s0219519413500437
2013	1535	University of Pennsylvania; Henthorn, Paula	Brons, A. K., Henthorn, P. S., Raj, K., Fitzgerald, C. A., Liu, J., Sewell, A. C., & Giger, U. (2013). SLC3A1 and SLC7A9 mutations in autosomal recessive or dominant canine cystinuria: a new classification system. <i>J Vet Intern Med</i> , 27(6), 1400-1408. doi:10.1111/jvim.12176
2013	1601	University of Utrecht; Leegwater, Peter	van Steenbeek, F. G., Spee, B., Penning, L. C., Kummeling, A., van Gils, I. H., Grinwis, G. C., . . . Leegwater, P. A. (2013). Altered subcellular localization of heat shock protein 90 is associated with impaired expression of the aryl hydrocarbon receptor pathway in dogs. <i>PLoS One</i> , 8(3), e57973. doi:10.1371/journal.pone.0057973
2013	1601	University of Utrecht; Leegwater, Peter	van Steenbeek, F. G., Van den Bossche, L., Grinwis, G. C., Kummeling, A., van Gils, I. H., Koerkamp, M. J., . . . Spee, B. (2013). Aberrant gene expression in dogs with portosystemic shunts. <i>PLoS One</i> , 8(2), e57662. doi:10.1371/journal.pone.0057662
2013	1674	Michigan State University; Fyfe, John	Fyfe, J. C., Lynch, M., Olsen, J., & Lousmall io, R. E. (2013). A thyroid peroxidase (TPO) mutation in dogs reveals a canid-specific gene structure. <i>Mamm Genome</i> , 24(3-4), 127-133. doi:10.1007/s00335-012-9442-y

2013	1771	Fred Hutchinson Cancer Research Center; Torok-Storb, Beverly	Venkataraman, G. M., Geraghty, D., Fox, J., Graves, S. S., Zellmer, E., Storer, B. E., . . . Storb, R. (2013). Canine DLA-79 gene: an improved typing method, identification of new alleles and its role in graft rejection and graft-versus-host disease. <i>HLA</i> , 81(4), 204-211.
2013	1843	North Carolina State University; Breen, Matthew	Culver, S., Ito, D., Borst, L., Bell, J. S., Modiano, J. F., & Breen, M. (2013). Molecular characterization of canine BCR-ABL-positive chronic myelomonocytic leukemia before and after chemotherapy. <i>Vet Clin Pathol</i> , 42(3), 314-322. doi:10.1111/vcp.12055
2013	1855	The University of Melbourne; Mansfield, Caroline	Prakash, N., Stumbles, P., & Mansfield, C. (2013). Initial Validation of Cytokine Measurement by ELISA in Canine Feces. <i>Open Journal of Veterinary Medicine</i> , 03(06), 282-288. doi:10.4236/ojvm.2013.36046
2013	1856	Louisiana State University; Lopez, Mandi	Zhang, N., Dietrich, M. A., & Lopez, M. J. (2013). Canine intra-articular multipotent stromal cells (MSC) from adipose tissue have the highest in vitro expansion rates, multipotentiality, and MSC immunophenotypes. <i>Vet Surg</i> , 42(2), 137-146. doi:10.1111/j.1532-950X.2013.01091.x
2013	1868	Miami University; Kerr, Lei	Jia, H., & Kerr, L. L. (2013). Sustained ibuprofen release using composite poly(lactic-co-glycolic acid)/titanium dioxide nanotubes from Ti implant surface. <i>J Pharm Sci</i> , 102(7), 2341-2348. doi:10.1002/jps.23580
2013	1911	Van Andel Research Institute; Duesbery, Nicholas	Andersen, N. J., Nickoloff, B. J., Dykema, K. J., Boguslawski, E. A., Krivochenitser, R. I., Froman, R. E., . . . Duesbery, N. S. (2013). Pharmacologic inhibition of MEK signaling prevents growth of canine hemangiosarcoma. <i>Mol Cancer Ther</i> , 12(9), 1701-1714. doi:10.1158/1535-7163.MCT-12-0893