

2016 Peer-Reviewed Publications from AKC Canine Health Foundation Funding



Year of Publication	CHF Grant ID	Institution/Principal Investigator	APA Citation
2016	0799	Iowa State University; Petersen, Christine	Vida, B., Toepp, A., Schaut, R. G., Esch, K. J., Juelsgaard, R., Shimak, R. M., & Petersen, C. A. (2016). Immunologic progression of canine leishmaniosis following vertical transmission in United States dogs. <i>Vet Immunol Immunopathol</i> , 169, 34-38. doi:10.1016/j.vetimm.2015.11.008
2016	0993	University of Pennsylvania; Holt, David	Holt, D. E., Brown, D. C., & Henthorn, P. S. (2016). Evaluation of the dynactin 1 gene in Leonbergers and Labrador Retrievers with laryngeal paralysis. <i>Am J Vet Res</i> , 77(10), 1114-1120. doi:10.2460/ajvr.77.10.1114
2016	1064	Colorado State University; Thamm, Douglas	Shoeneman, J. K., Ehrhart, E. J., 3rd, Charles, J. B., & Thamm, D. H. (2016). Survivin inhibition via EZN-3042 in canine lymphoma and osteosarcoma. <i>Vet Comp Oncol</i> , 14(2), e45-57. doi:10.1111/vco.12104
2016	1212	University of Missouri, Columbia; Coates, Joan	Ivansson, E. L., Megquier, K., Kozyrev, S. V., Muren, E., Korberg, I. B., Swofford, R., . . . Lindblad-Toh, K. (2016). Variants within the SP110 nuclear body protein modify risk of canine degenerative myelopathy. <i>Proc Natl Acad Sci U S A</i> , 113(22), E3091-3100. doi:10.1073/pnas.1600084113
2016	1421	University of Tennessee; Kania, Stephen	Riley, M. C., Perreten, V., Bemis, D. A., & Kania, S. A. (2016). Complete Genome Sequences of Three Important Methicillin-Resistant Clinical Isolates of <i>Staphylococcus pseudintermedius</i> . <i>Genome Announc</i> , 4(5). doi:10.1128/genomeA.01194-16
2016	1445	Cornell University; Simpson, Kenneth	Hayward, J. J., Castelhana, M. G., Oliveira, K. C., Corey, E., Balkman, C., Baxter, T. L., . . . Boyko, A. R. (2016). Complex disease and phenotype mapping in the domestic dog. <i>Nat Commun</i> , 7, 10460. doi:10.1038/ncomms10460
2016	1488	University of California, Davis; Hart, Benjamin	Hart, B. L., Hart, L. A., Thigpen, A. P., & Willits, N. H. (2016). Neutering of German Shepherd Dogs: associated joint disorders, cancers and urinary incontinence. <i>Vet Med Sci</i> , 2(3), 191-199. doi:10.1002/vms3.34
2016	1511	University of Minnesota; Mickelson, James	Taylor, S., Minor, K., Shmon, C. L., Shelton, G. D., Patterson, E. E., & Mickelson, J. R. (2016). Border Collie Collapse: Owner Survey Results and Veterinary Description of Videotaped Episodes. <i>J Am Anim Hosp Assoc</i> , 52(6), 364-370. doi:10.5326/JAAHA-MS-6436
2016	1557	North Carolina State University; Breen, Matthew	Kennedy, K., Thomas, R., & Breen, M. (2016). Canine Histiocytic Malignancies-Challenges and Opportunities. <i>Vet Sci</i> , 3(1). doi:10.3390/vetsci3010002
2016	1658	Texas A&M AgriLife Research; Nabity, Mary	Hokamp, J. A., Cianciolo, R. E., Boggess, M., Lees, G. E., Benali, S. L., Kovarsky, M., & Nabity, M. B. (2016). Correlation of Urine and Serum Biomarkers with Renal Damage and Survival in Dogs with Naturally Occurring Proteinuric Chronic Kidney Disease. <i>J Vet Intern Med</i> , 30(2), 591-601. doi:10.1111/jvim.13832
2016	1660	The Research Institute at Nationwide Children's Hospital; Alvarez, Carlos	Zapata, I., Serpell, J. A., & Alvarez, C. E. (2016). Genetic mapping of canine fear and aggression. <i>BMC Genomics</i> , 17, 572. doi:10.1186/s12864-016-2936-3
2016	1718	Cornell University; Krotscheck, Ursula	McConkey, M. J., Valenzano, D. M., Wei, A., Li, T., Thompson, M. S., Mohammed, H. O., . . . Krotscheck, U. (2016). Effect of the Proximal Abducting Ulnar Osteotomy on Intra-Articular Pressure Distribution and Contact Mechanics of Congruent and Incongruent Canine Elbows Ex Vivo. <i>Vet Surg</i> , 45(3), 347-355. doi:10.1111/vsu.12456

2016	1762	University of Wisconsin, Madison; Muir, Peter	Racette, M., Al saleh, H., Waller, K. R., 3rd, Bleedorn, J. A., McCabe, R. P., Vanderby, R., Jr., . . . Muir, P. (2016). 3D FSE Cube and VIPR-aTR 3.0 Tesla magnetic resonance imaging predicts canine cranial cruciate ligament structural properties. <i>Vet J</i> , 209, 150-155. doi:10.1016/j.tvjl.2015.10.055
2016	1822	University of California, Los Angeles; Wayne, Robert	Koch, J., Clark, M., Thompson, M., Deere-Machemer, K., Wang, J., Duarte, L., . . . Stahler, D. (2016). The concerted impact of domestication and transposon insertions on methylation patterns between dogs and grey wolves. <i>Molecular ecology</i> , 25(8), 1838-1855.
2016	1822	University of California, Los Angeles; Wayne, Robert	Mariano, R., & vonHoldt, B. (2016). The canine X chromosome is a sink for canine endogenous retrovirus transposition. <i>Gene Reports</i> , 4, 169-176. doi:10.1016/j.genrep.2016.05.003
2016	1843	North Carolina State University; Breen, Matthew	Roode, S. C., Rotroff, D., Richards, K. L., Moore, P., Motsinger-Reif, A., Okamura, Y., . . . Breen, M. (2016). Comprehensive genomic characterization of five canine lymphoid tumor cell lines. <i>BMC Vet Res</i> , 12, 207. doi:10.1186/s12917-016-0836-z
2016	1844	North Carolina State University; Vaden, Shelly	Vaden, S. L., & Elliott, J. (2016). Management of Proteinuria in Dogs and Cats with Chronic Kidney Disease. <i>Vet Clin North Am Small Anim Pract</i> , 46(6), 1115-1130. doi:10.1016/j.cvsm.2016.06.009
2016	1856	Louisiana State University; Lopez, Mandi	Duan, W., & Lopez, M. J. (2016). Effects of Cryopreservation on Canine Multipotent Stromal Cells from Subcutaneous and Infrapatellar Adipose Tissue. <i>Stem Cell Rev</i> , 12(2), 257-268. doi:10.1007/s12015-015- 9634-4
2016	1889	University of Minnesota; Modiano, Jaime	Seelig, D. M., Ito, D., Forster, C. L., Yoon, U. A., Breen, M., Burns, L. J., . . . Linden, M. A. (2016). Constitutive activation of alternative nuclear factor kappa B pathway in canine diffuse large B-cell lymphoma contributes to tumor cell survival and is a target of new adjuvant therapies. <i>Leukemia & lymphoma</i> , 58(7), 1702-1710. doi:10.1080/10428194.2016.1260122
2016	1894	University of Tennessee; Trout Fryxell, Rebecca	Mays, S. E., Houston, A. E., & Trout Fryxell, R. T. (2016). Comparison of novel and conventional methods of trapping ixodid ticks in the southeastern U.S.A. <i>Med Vet Entomol</i> , 30(2), 123-134. doi:10.1111/mve.12160
2016	1894	University of Tennessee; Trout Fryxell, Rebecca	Mays, S. E., Houston, A. E., & Trout Fryxell, R. T. (2016). Specifying Pathogen Associations of Amblyomma maculatum (Acari: Ixodidae) in Western Tennessee. <i>J Med Entomol</i> , 53(2), 435-440. doi:10.1093/jme/tjv238
2016	1903	North Carolina State University; Lascelles, Duncan	Tuohy, J. L., Lascelles, B. D., Griffith, E. H., & Fogle, J. E. (2016). Association of Canine Osteosarcoma and Monocyte Phenotype and Chemotactic Function. <i>J Vet Intern Med</i> , 30(4), 1167-1178. doi:10.1111/jvim.13983
2016	1912	Research Foundation of State University of New York; Blanco, Javier	Quinones-Lombrana, A., Cheng, Q., Ferguson, D. C., & Blanco, J. G. (2016). Transcriptional regulation of the canine carbonyl reductase 1 gene (cbr1) by the specificity protein 1 (Sp1). <i>Gene</i> , 592(1), 209-214. doi:10.1016/j.gene.2016.08.005
2016	1925	Auburn University; Smith, Bruce	Grimes, J. A., Prasad, N., Levy, S., Cattley, R., Lindley, S., Boothe, H. W., . . . Smith, B. F. (2016). A comparison of microRNA expression profiles from splenic hemangiosarcoma, splenic nodular hyperplasia, and normal spleens of dogs. <i>BMC Vet Res</i> , 12(1), 272. doi:10.1186/s12917-016-0903-5
2016	1975	North Carolina State University; Olby, Natasha	Lim, J. H., & Olby, N. J. (2016). Generation of pure cultures of autologous Schwann cells by use of biopsy specimens of the dorsal cutaneous branches of the cervical nerves of young adult dogs. <i>Am J Vet Res</i> , 77(10), 1166-1174. doi:10.2460/ajvr.77.10.1166

2016	1982	University of California, Davis; Stern, Joshua	Visser, L. C., Im, M. K., Johnson, L. R., & Stern, J. A. (2016). Diagnostic Value of Right Pulmonary Artery Distensibility Index in Dogs with Pulmonary Hypertension: Comparison with Doppler Echocardiographic Estimates of Pulmonary Arterial Pressure. <i>J Vet Intern Med</i> , 30(2), 543-552. doi:10.1111/jvim.13911
2016	1985	University of Wollongong; Sluyter, Ronald	Faulks, M., Kuit, T. A., Sophocleous, R. A., Curtis, B. L., Curtis, S. J., Jurak, L. M., & Sluyter, R. (2016). P2X7 receptor activation causes phosphatidylserine exposure in canine erythrocytes. <i>World Journal of Hematology</i> , 5(4). doi:10.5315/wjh.v5.i4.88
2016	1985	University of Wollongong; Sluyter, Ronald	Pupovac, A., & Sluyter, R. (2016). Roles of extracellular nucleotides and P2 receptors in ectodomain shedding. <i>Cell Mol Life Sci</i> , 73(22), 4159-4173. doi:10.1007/s00018-016-2274-2
2016	2011	University of Utrecht; Galac, Sara	Sanders, K., Mol, J. A., Kooistra, H. S., Slob, A., & Galac, S. (2016). New Insights in the Functional Zonation of the Canine Adrenal Cortex. <i>J Vet Intern Med</i> , 30(3), 741-750. doi:10.1111/jvim.13946
2016	2083	University of Guelph; Singh, Ameet	Crawford, E. C., Singh, A., Gibson, T. W., & Scott Weese, J. (2016). Biofilm-Associated Gene Expression in Staphylococcus pseudintermedius on a Variety of Implant Materials. <i>Vet Surg</i> , 45(4), 499-506. doi:10.1111/vsu.12471
2016	2109	University of California, Davis; Bannasch, Danika	Safra, N., Hitchens, P. L., Maverakis, E., Mitra, A., Korff, C., Johnson, E., . . . Bannasch, D. L. (2016). Serum levels of innate immunity cytokines are elevated in dogs with metaphyseal osteopathy (hypertrophic osteodystrophy) during active disease and remission. <i>Vet Immunol Immunopathol</i> , 179, 32-35. doi:10.1016/j.vetimm.2016.08.003
2016	2110	University of Pennsylvania; Foster, Jonathan	Kelly, K. L., Drobatz, K. J., & Foster, J. D. (2016). Effect of Fenoldopam Continuous Infusion on Glomerular Filtration Rate and Fractional Excretion of Sodium in Healthy Dogs. <i>J Vet Intern Med</i> , 30(5), 1655-1660. doi:10.1111/jvim.14522
2016	2118	University of Veterinary Medicine of Vienna; Bartel, Cordula	Gabriel, C., Becher-Deichsel, A., Hlavaty, J., Mair, G., & Walter, I. (2016). The physiological expression of scavenger receptor SR-B1 in canine endometrial and placental epithelial cells and its potential involvement in pathogenesis of pyometra. <i>Theriogenology</i> , 85(9), 1599-1609 e1592. doi:10.1016/j.theriogenology.2016.01.021
2016	2128	Ohio State University; Stull, Jason	Stull, J. W., Kasten, J. I., Evason, M. D., Sherding, R. G., Hoet, A. E., O'Quin, J., . . . Weese, J. S. (2016). Risk reduction and management strategies to prevent transmission of infectious disease among dogs at dog shows, sporting events, and other canine group settings. <i>J Am Vet Med Assoc</i> , 249(6), 612-627. doi:10.2460/javma.249.6.612
2016	2131	The University of Melbourne; Long, Sam	Milne, M. E., Steward, C., Firestone, S. M., Long, S. N., O'Brien, T. J., & Moffat, B. A. (2016). Development of representative magnetic resonance imaging-based atlases of the canine brain and evaluation of three methods for atlas-based segmentation. <i>Am J Vet Res</i> , 77(4), 395-403. doi:10.2460/ajvr.77.4.395
2016	2133	University of Minnesota; Patterson, Ned	Vuu, I., Coles, L. D., Maglalang, P., Leppik, I. E., Worrell, G., Crepeau, D., . . . Patterson, E. E. (2016). Intravenous Topiramate: Pharmacokinetics in Dogs with Naturally Occurring Epilepsy. <i>Front Vet Sci</i> , 3, 107. doi:10.3389/fvets.2016.00107
2016	2241	Johns Hopkins University; Davis, Meghan	Exum, N. G., Olortegui, M. P., Yori, P. P., Davis, M. F., Heaney, C. D., Kosek, M., & Schwab, K. J. (2016). Floors and Toilets: Association of Floors and Sanitation Practices with Fecal Contamination in Peruvian Amazon Peri-Urban Households. <i>Environ Sci Technol</i> , 50(14), 7373-7381. doi:10.1021/acs.est.6b01283
2016	Fellowship 2015	North Carolina State University; Meurs, Kathryn	Friedenberg, S. G., & Meurs, K. M. (2016). Genotype imputation in the domestic dog. <i>Mamm Genome</i> , 27(9-10), 485-494. doi:10.1007/s00335-016-9636-9
2016	Fellowship 2015	North Carolina State University; Meurs, Kathryn	Friedenberg, S. G., Meurs, K. M., & Mackay, T. F. (2016). Evaluation of artificial selection in Standard Poodles using whole-genome sequencing. <i>Mamm Genome</i> , 27(11-12), 599-609. doi:10.1007/s00335-016-9660-9