

2015 Peer-Reviewed Publications from AKC Canine Health Foundation Funding



Year of Publication	CHF Grant ID	Institution/Principal Investigator	APA Citation
2015	0332	University of Alaska, Fairbanks; Happ, George	Bianchi, M., Dahlgren, S., Massey, J., Dietschi, E., Kierczak, M., Lund-Ziener, M., . . . Rosengren Pielberg, G. (2015). A Multi-Breed Genome-Wide Association Analysis for Canine Hypothyroidism Identifies a Shared Major Risk Locus on CFA12. <i>PLoS One</i> , 10(8), e0134720. doi:10.1371/journal.pone.0134720
2015	0372	University of Minnesota; Davies, Rebecca	Hegstad-Davies, R. L., Torres, S. M., Sharkey, L. C., Gresch, S. C., Munoz-Zanzi, C. A., & Davies, P. R. (2015). Breed-specific reference intervals for assessing thyroid function in seven dog breeds. <i>J Vet Diagn Invest</i> , 27(6), 716-727. doi:10.1177/1040638715606953
2015	0593	Broad Institute; Lindblad-Toh, Kerstin	Tonomura, N., Elvers, I., Thomas, R., Megquier, K., Turner-Maier, J., Howald, C., . . . Lindblad-Toh, K. (2015). Genome-wide association study identifies shared risk loci common to two malignancies in golden retrievers. <i>PLoS Genet</i> , 11(2), e1004922. doi:10.1371/journal.pgen.1004922
2015	0754	Purdue University; Knapp, Deborah	Decker, B., Parker, H. G., Dhawan, D., Kwon, E. M., Karlins, E., Davis, B. W., . . . Ostrander, E. A. (2015). Homologous Mutation to Human BRAF V600E Is Common in Naturally Occurring Canine Bladder Cancer-- Evidence for a Relevant Model System and Urine-Based Diagnostic Test. <i>Mol Cancer Res</i> , 13(6), 993-1002. doi:10.1158/1541-7786.MCR-14- 0689
2015	0848	University of Tennessee; LeBlanc, Casey	LeBlanc, A. K., LeBlanc, C. J., Rohrbach, B. W., & Kania, S. A. (2015). Serial evaluation of neutrophil function in tumour-bearing dogs undergoing chemotherapy. <i>Vet Comp Oncol</i> , 13(1), 20-27. doi:10.1111/vco.12015
2015	1034	University of Minnesota; Modiano, Jaime	Elvers, I., Turner-Maier, J., Swofford, R., Koltookian, M., Johnson, J., Stewart, C., . . . Alfoldi, J. (2015). Exome sequencing of lymphomas from three dog breeds reveals somatic mutation patterns reflecting genetic background. <i>Genome Res</i> , 25(11), 1634-1645. doi:10.1101/gr.194449.115
2015	1192	University of California, Davis; Rodriguez Jr, Carlos	Rodriguez, A. M., Graef, A. J., LeVine, D. N., Cohen, I. R., Modiano, J. F., & Kim, J. H. (2015). Association of Sphingosine-1-phosphate (S1P)/S1P Receptor-1 Pathway with Cell Proliferation and Survival in Canine Hemangiosarcoma. <i>J Vet Intern Med</i> , 29(4), 1088-1097. doi:10.1111/jvim.13570
2015	1362	North Carolina State University; Olby, Natasha	Urkasemsin, G., & Olby, N. J. (2015). Clinical characteristics of Scottie Cramp in 31 cases. <i>J Small Anim Pract</i> , 56(4), 276-280. doi:10.1111/jsap.12317
2015	1424	University of California, Davis; Bannasch, Danika	Wolf, Z. T., Brand, H. A., Shaffer, J. R., Leslie, E. J., Arzi, B., Willet, C. E., . . . Bannasch, D. L. (2015). Genome-wide association studies in dogs and humans identify ADAMTS20 as a risk variant for cleft lip and palate. <i>PLoS Genet</i> , 11(3), e1005059. doi:10.1371/journal.pgen.1005059
2015	1425	University of Helsinki and the Folkhälsan Institute of Genetics; Lohi, Hannes	Koskinen, L. L., Seppala, E. H., Belanger, J. M., Arumilli, M., Hakosalo, O., Jokinen, P., . . . Lohi, H. (2015). Identification of a common risk haplotype for canine idiopathic epilepsy in the ADAM23 gene. <i>BMC Genomics</i> , 16, 465. doi:10.1186/s12864-015-1651-9
2015	1503	University of Minnesota; Modiano, Jaime	Cannon, C. M., Pozniak, J., Scott, M. C., Ito, D., Gorden, B. H., Graef, A. J., & Modiano, J. F. (2015). Canine osteosarcoma cells exhibit resistance to aurora kinase inhibitors. <i>Vet Comp Oncol</i> , 13(1), 48-59. doi:10.1111/vco.12018

2015	1533	University of Louisville; Bertocci, Gina	Brown, N. P., Bertocci, G. E., & Marcellin-Little, D. J. (2015). Influence of biomechanical parameters on cranial cruciate ligament-deficient or -intact canine stifle joints assessed by use of a computer simulation model. <i>Am J Vet Res</i> , 76(11), 952-958. doi:10.2460/ajvr.76.11.952
2015	1584	Western University of Health Sciences; Griffon, Dominique	Keebaugh, A. E., Redman-Bentley, D., & Griffon, D. J. (2015). Influence of leash side and handlers on pressure mat analysis of gait characteristics in small-breed dogs. <i>J Am Vet Med Assoc</i> , 246(11), 1215-1221. doi:10.2460/javma.246.11.1215
2015	1594	University of Iowa; Kuehn, Markus	Ahram, D. F., Grozdanic, S. D., Kecova, H., Henkes, A., Collin, R. W., & Kuehn, M. H. (2015). Variants in Nebulin (NEB) Are Linked to the Development of Familial Primary Angle Closure Glaucoma in Basset Hounds. <i>PLoS One</i> , 10(5), e0126660. doi:10.1371/journal.pone.0126660
2015	1609	Iowa State University; Jergens, Albert	Minamoto, Y., Otoni, C. C., Steelman, S. M., Buyukleblebici, O., Steiner, J. M., Jergens, A. E., & Suchodolski, J. S. (2015). Alteration of the fecal microbiota and serum metabolite profiles in dogs with idiopathic inflammatory bowel disease. <i>Gut Microbes</i> , 6(1), 33-47. doi:10.1080/19490976.2014.997612
2015	1612	Ohio State University; Chandler, Heather	Chandler, H. L., Gervais, K. J., Lutz, E. A., Curto, E. M., Matusow, R. B., Wilkie, D. A., & Gemensky-Metzler, A. J. (2015). Cyclosporine A prevents ex vivo PCO formation through induction of autophagy-mediated cell death. <i>Exp Eye Res</i> , 134, 63-72. doi:10.1016/j.exer.2015.03.020
2015	1660	The Research Institute at Nationwide Children's Hospital; Alvarez, Carlos	Clemente-Vicario, F., Alvarez, C. E., Rowell, J. L., Roy, S., London, C. A., Kisseberth, W. C., & Lorch, G. (2015). Human Genetic Relevance and Potent Antitumor Activity of Heat Shock Protein 90 Inhibition in Canine Lung Adenocarcinoma Cell Lines. <i>PLoS One</i> , 10(11), e0142007. doi:10.1371/journal.pone.0142007
2015	1674	Michigan State University; Fyfe, John	Major, S., Pettigrew, R. W., & Fyfe, J. C. (2015). Molecular Genetic Characterization of Thyroid Dysmorphogenesis in a French Bulldog. <i>J Vet Intern Med</i> , 29(6), 1534-1540. doi:10.1111/jvim.13651
2015	1683	University of Pennsylvania; Holt, David	Holt, D., Parthasarathy, A. B., Okusanya, O., Keating, J., Venegas, O., Deshpande, C., . . . Singhal, S. (2015). Intraoperative near-infrared fluorescence imaging and spectroscopy identifies residual tumor cells in wounds. <i>J Biomed Opt</i> , 20(7), 76002. doi:10.1117/1.JBO.20.7.076002
2015	1684	University of Tennessee; Frank, Linda	Frank, L. A., Henry, G. A., Whittemore, J. C., Enders, B. D., Mawby, D. I., & Rohrbach, B. W. (2015). Serum cortisol concentrations in dogs with pituitary-dependent hyperadrenocorticism and atypical hyperadrenocorticism. <i>J Vet Intern Med</i> , 29(1), 193-199. doi:10.1111/jvim.12500
2015	1698	Bauer Research Foundation; Sysel, Annette	Sysel, A. M., Valli, V. E., & Bauer, J. A. (2015). Immunohistochemical quantification of the cobalamin transport protein, cell surface receptor and Ki-67 in naturally occurring canine and feline malignant tumors and in adjacent normal tissues. <i>Oncotarget</i> , 6(4), 2331-2348. doi:10.18632/oncotarget.3206
2015	1704	Oregon State University; Séguin, Bernard	Marley, K., Bracha, S., & Séguin, B. (2015). Osteoprotegerin activates osteosarcoma cells that co-express RANK and RANKL. <i>Exp Cell Res</i> , 338(1), 32-38. doi:10.1016/j.yexcr.2015.08.001
2015	1712	University of Missouri, Columbia; DeClue, Amy	Axiak-Bechtel, S. M., Tsuruta, K., Amorim, J., Donaldson, R., Lino, G., Honaker, A., . . . DeClue, A. (2015). Effects of tramadol and o-desmethyltramadol on canine innate immune system function. <i>Vet Anaesth Analg</i> , 42(3), 260-268. doi:10.1111/vaa.12201

2015	1726	Oregon State University; Helfand, Stuart	Marley, K., Gullaba, J., Seguin, B., Gelberg, H. B., & Helfand, S. C. (2015). Dasatinib Modulates Invasive and Migratory Properties of Canine Osteosarcoma and has Therapeutic Potential in Affected Dogs. <i>Transl Oncol</i> , 8(4), 231-238. doi:10.1016/j.tranon.2015.03.006
2015	1759	University of Minnesota; Modiano, Jaime	Dickerson, E. B., & Bryan, B. A. (2015). Beta Adrenergic Signaling: A Targetable Regulator of Angiosarcoma and Hemangiosarcoma. <i>Vet Sci</i> , 2(3), 270-292. doi:10.3390/vetsci2030270
2015	1759	University of Minnesota; Modiano, Jaime	Kim, J. H., Graef, A. J., Dickerson, E. B., & Modiano, J. F. (2015). Pathobiology of Hemangiosarcoma in Dogs: Research Advances and Future Perspectives. <i>Vet Sci</i> , 2(4), 388-405. doi:10.3390/vetsci2040388
2015	1782	University of Louisville; Bertocci, Gina	Brown, N. P., Bertocci, G. E., & Marcellin-Little, D. J. (2015). Canine Stifle Biomechanics Associated With Tibial Tuberosity Advancement Predicted Using a Computer Model. <i>Vet Surg</i> , 44(7), 866-873. doi:10.1111/vsu.12363
2015	1783	University of Minnesota; Biskup, Jeffery	Biskup, J. J., Balogh, D. G., Haynes, K. H., Freeman, A. L., & Conzemius, M. G. (2015). Mechanical strength of four allograft fixation techniques for ruptured cranial cruciate ligament repair in dogs. <i>Am J Vet Res</i> , 76(5), 411-419. doi:10.2460/ajvr.76.5.411
2015	1843	North Carolina State University; Breen, Matthew	Roode, S. C., Rotroff, D., Avery, A. C., Suter, S. E., Bienzle, D., Schiffman, J. D., . . . Breen, M. (2015). Genome-wide assessment of recurrent genomic imbalances in canine leukemia identifies evolutionarily conserved regions for subtype differentiation. <i>Chromosome Res</i> , 23(4), 681-708. doi:10.1007/s10577-015-9475-7
2015	1849	University of Georgia Research Foundation, Inc; Zhao, Shaying	Liu, D., Xiong, H., Ellis, A. E., Northrup, N. C., Dobbin, K. K., Shin, D. M., & Zhao, S. (2015). Canine spontaneous head and neck squamous cell carcinomas represent their human counterparts at the molecular level. <i>PLoS Genet</i> , 11(6), e1005277. doi:10.1371/journal.pgen.1005277
2015	1854	University of Florida; Wynne, Clive	Hall, N. J., Protopopova, A., & Wynne, C. D. L. (2015). The role of environmental and owner-provided consequences in canine stereotypy and compulsive behavior. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 10(1), 24-35. doi:10.1016/j.jveb.2014.10.005
2015	1868	Miami University; Kerr, Lei	Jia, H., & Kerr, L. L. (2015). Kinetics of drug release from drug carrier of polymer/TiO <sub>2</sub> nanotubes composite-pH dependent study. <i>Journal of Applied Polymer Science</i> , 132(7), n/a-n/a. doi:10.1002/app.41570
2015	1894	University of Tennessee; Trout Fryxell, Rebecca	Trout Fryxell, R. T., Moore, J. E., Collins, M. D., Kwon, Y., Jean-Philippe, S. R., Schaeffer, S. M., . . . Houston, A. E. (2015). Habitat and Vegetation Variables Are Not Enough When Predicting Tick Populations in the Southeastern United States. <i>PLoS One</i> , 10(12), e0144092. doi:10.1371/journal.pone.0144092
2015	1911	Van Andel Research Institute; Duesbery, Nicholas	Andersen, N. J., Boguslawski, E. B., Kuk, C. Y., Chambers, C. M., & Duesbery, N. S. (2015). Combined inhibition of MEK and mTOR has a synergic effect on angiosarcoma tumorgrafts. <i>Int J Oncol</i> , 47(1), 71-80. doi:10.3892/ijo.2015.2989
2015	1912	Research Foundation of State University of New York; Blanco, Javier	Ferguson, D. C., Cheng, Q., & Blanco, J. G. (2015). Characterization of the Canine Anthracycline-Metabolizing Enzyme Carbonyl Reductase 1 (cbr1) and the Functional Isoform cbr1 V218. <i>Drug Metab Dispos</i> , 43(7), 922-927. doi:10.1124/dmd.115.064295
2015	1924	University of Guelph; Blois, Shauna	Blois, S. L., Lang, S. T., Wood, R. D., & Monteith, G. (2015). Biologic variability and correlation of platelet function testing in healthy dogs. <i>Vet Clin Pathol</i> , 44(4), 503-510. doi:10.1111/vcp.12290
2015	1985	University of Wollongong; Sluyter, Ronald	Sluyter, R. (2015). P2X and P2Y receptor signaling in red blood cells. <i>Front Mol Biosci</i> , 2, 60. doi:10.3389/fmolb.2015.00060

2015	1986	North Carolina State University; Gookin, Jody	Gookin, J. L., Correa, M. T., Peters, A., Malueg, A., Mathews, K. G., Cullen, J., & Seiler, G. (2015). Association of Gallbladder Mucocele Histologic Diagnosis with Selected Drug Use in Dogs: A Matched Case-Control Study. <i>J Vet Intern Med</i> , 29(6), 1464-1472. doi:10.1111/jvim.13649
2015	1995	Duke University; MacLean, Evan	Bray, E. E., MacLean, E. L., & Hare, B. A. (2015). Increasing arousal enhances inhibitory control in calm but not excitable dogs. <i>Anim Cogn</i> , 18(6), 1317-1329. doi:10.1007/s10071-015-0901-1
2015	2011	University of Utrecht; Galac, Sara	Galac, S. (2016). Cortisol-secreting adrenocortical tumours in dogs and their relevance for human medicine. <i>Molecular and cellular endocrinology</i> , 421, 34-39.
2015	2011	University of Utrecht; Galac, Sara	Galac, S., & Wilson, D. B. (2015). Animal models of adrenocortical tumorigenesis. <i>Endocrinol Metab Clin North Am</i> , 44(2), 297-310. doi:10.1016/j.ecl.2015.02.003
2015	2071	University of Minnesota; Pluhar, Grace	Pluhar, G. E., Pennell, C. A., & Olin, M. R. (2015). CD8(+) T Cell-Independent Immune-Mediated Mechanisms of Anti-Tumor Activity. <i>Crit Rev Immunol</i> , 35(2), 153-172. doi:10.1615/CritRevImmunol.2015013607
2015	2092	Purdue University; Childress, Michael	Custead, M. R., An, R., Turek, J. J., Moore, G. E., Nolte, D. D., & Childress, M. O. (2015). Predictive value of ex vivo biodynamic imaging in determining response to chemotherapy in dogs with spontaneous non-Hodgkin's lymphomas: a preliminary study. <i>Converg Sci Phys Oncol</i> , 1(1). doi:10.1088/2057-1739/1/1/015003
2015	2111	Texas A&M AgriLife Research; Suchodolski, Jan	Meason-Smith, C., Diesel, A., Patterson, A. P., Older, C. E., Mansell, J. M., Suchodolski, J. S., & Rodrigues Hoffmann, A. (2015). What is living on your dog's skin? Characterization of the canine cutaneous mycobiota and fungal dysbiosis in canine allergic dermatitis. <i>FEMS Microbiol Ecol</i> , 91(12). doi:10.1093/femsec/fiv139
2015	Fellowship 2013	Ohio State University; Scansen, Brian	Visser, L. C., Scansen, B. A., Brown, N. V., Schober, K. E., & Bonagura, J. D. (2015). Echocardiographic assessment of right ventricular systolic function in conscious healthy dogs following a single dose of pimobendan versus atenolol. <i>J Vet Cardiol</i> , 17(3), 161-172. doi:10.1016/j.jvc.2015.04.001
2015	Fellowship 2013	Ohio State University; Scansen, Brian	Visser, L. C., Scansen, B. A., Schober, K. E., & Bonagura, J. D. (2015). Echocardiographic assessment of right ventricular systolic function in conscious healthy dogs: repeatability and reference intervals. <i>J Vet Cardiol</i> , 17(2), 83-96. doi:10.1016/j.jvc.2014.10.003