

2019 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
02436	Adin, D., Kurtz, K., Atkins, C., Papich, M. G., & Vaden, S. (2019). Role of electrolyte concentrations and renin-angiotensin-aldosterone activation in the staging of canine heart disease. <i>Journal of Veterinary Internal Medicine</i> , 1–12. https://doi.org/10.1111/jvim.15662	North Carolina State University; Papich
00572-A	Agler, C. S., Friedenber, S., Olivry, T., Meurs, K. M., & Olby, N. J. (2019). Genome-wide association analysis in West Highland White Terriers with atopic dermatitis. <i>Veterinary Immunology and Immunopathology</i> , 209, 1–6. https://doi.org/10.1016/j.vetimm.2019.01.004	North Carolina State University; Olivry
01986	Aicher, K. M., Cullen, J. M., Seiler, G. S., Lunn, K. F., Mathews, K. G., & Gookin, J. L. (2019). Investigation of adrenal and thyroid gland dysfunction in dogs with ultrasonographic diagnosis of gallbladder mucocele formation. <i>PLOS ONE</i> , 14(2), e0212638. https://doi.org/10.1371/journal.pone.0212638	North Carolina State University; Gookin
02343-A	Azevedo, C. N., Lidbury, J. A., & Jeffery, U. (2019). Effects of marked hypertriglyceridemia and lipid clearance techniques on canine biochemistry testing. <i>Journal of Veterinary Diagnostic Investigation</i> , 1040638719858690. https://doi.org/10.1177/1040638719858690	Texas A&M University; Jeffery
02252	Berk, B. A., Packer, R. M. A., Law, T. H., Wessmann, A., Bathen-Nöthen, A., Jokinen, T. S., Knebel, A., Tipold, A., Pelligand, L., & Volk, H. A. (2019). A double-blinded randomised dietary supplement crossover trial design to investigate the short-term influence of medium chain fatty acid (MCT) supplement on canine idiopathic epilepsy: Study protocol. <i>BMC Veterinary Research</i> , 15(1), 181. https://doi.org/10.1186/s12917-019-1915-8	University of London; Volk
02518	Bray, E. E., Levy, K. M., Kennedy, B. S., Duffy, D. L., Serpell, J. A., & MacLean, E. L. (2019). Predictive Models of Assistance Dog Training Outcomes Using the Canine Behavioral Assessment and Research Questionnaire and a Standardized Temperament Evaluation. <i>Frontiers in Veterinary Science</i> , 6. https://doi.org/10.3389/fvets.2019.00049	University of Arizona; Bray

02066	Chu, C. P., & Nabity, M. B. (2019). Comparison of RNA isolation and library preparation methods for small RNA sequencing of canine biofluids. <i>Veterinary Clinical Pathology</i> , 0(0). https://doi.org/10.1111/vcp.12743	Texas A&M University; Nabity
02066	Clark, S. D., Song, W., Cianciolo, R., Lees, G., Nabity, M., & Liu, S. (2019). Abnormal Expression of miR-21 in Kidney Tissue of Dogs With X-Linked Hereditary Nephropathy: A Canine Model of Chronic Kidney Disease. <i>Veterinary Pathology</i> , 56(1), 93–105. https://doi.org/10.1177/0300985818806050	Texas A&M University; Nabity
02522-A	Finotello, R., Schiavo, L., Ressel, L., Frohmader, A., Silvestrini, P., & Verin, R. (2019). Lipoxygenase-5 Expression in Canine Urinary Bladder: Normal Urothelium, Cystitis and Transitional Cell Carcinoma. <i>Journal of Comparative Pathology</i> , 170, 1–9. https://doi.org/10.1016/j.jcpa.2019.05.001	University of Liverpool; Finotello
02233-A	Fox-Alvarez, W. A., Case, J. B., Lewis, D. D., Joyce, A. C., Cooke, K. L., & Toskich, B. (2019). Evaluation of a novel technique involving ultrasound-guided, temporary, percutaneous gastropexy and gastrostomy catheter placement for providing sustained gastric decompression in dogs with gastric dilatation-	University of Florida; Case
02192-A	Fuente-Lara, A. de la, Hesser, A., Christensen, B., Gonzales, K., & Meyers, S. (2019). Effects from aging on semen quality of fresh and cryopreserved semen in Labrador Retrievers. <i>Theriogenology</i> . https://doi.org/10.1016/j.theriogenology.2019.04.013	University of California, Davis; Meyers
01236-A	Gershony, L. C., Belanger, J. M., Hytönen, M. K., Lohi, H., & Oberbauer, A. M. (2019). Novel Locus Associated with Symmetrical Lupoid Onychodystrophy in the Bearded Collie. <i>Genes</i> , 10(9), 635. https://doi.org/10.3390/genes10090635	University of California, Davis; Oberbauer
01236-A	Gershony, L. C., Belanger, J. M., Short, A. D., Le, M., Hytönen, M. K., Lohi, H., ... Oberbauer, A. M. (2019). DLA class II risk haplotypes for autoimmune diseases in the Bearded Collie offer insight to autoimmunity signatures across dog breeds. <i>Canine Genetics and Epidemiology</i> , 6(1), 2. https://doi.org/10.1186/s40575-019-0070-7	University of California, Davis; Oberbauer
02604	Guo, J., Johnson, G. S., Cook, J., Harris, O. K., Mhlanga-Mutangadura, T., Schnabel, R. D., Jensen, C. A., & Katz, M. L. (2019). Neuronal ceroid lipofuscinosis in a German Shorthaired Pointer associated with a previously reported CLN8 nonsense variant. <i>Molecular Genetics and Metabolism Reports</i> , 21, 100521. https://doi.org/10.1016/j.ymgmr.2019.100521	University of Missouri; Johnson

00610	Hess, R., Henthorn, P., Devoto, M., Wang, F., & Feng, R. (2019). An exploratory association analysis of the insulin gene region with diabetes mellitus in two dog breeds. <i>The Journal of Heredity</i> . https://doi.org/10.1093/jhered/esz059	University of Pennsylvania; Hess
02204-T	Holt, D., Singhal, S., & Selmic, L. E. (2019). Near-infrared imaging and optical coherence tomography for intraoperative visualization of tumors. <i>Veterinary Surgery</i> , 1–11. https://doi.org/10.1111/vsu.13332	The Ohio State University; Selmic
01982	Johnson, L. R., & Stern, J. A. (2019). Clinical features and outcome in 25 dogs with respiratory-associated pulmonary hypertension treated with sildenafil. <i>Journal of Veterinary Internal Medicine</i> . https://doi.org/10.1111/jvim.15679	University of California, Davis; Stern
01557	Kennedy, K., Thomas, R., Durrant, J., Jiang, T., Motsinger-Reif, A., & Breen, M. (2019). Genome-wide DNA copy number analysis and targeted transcriptional analysis of canine histiocytic malignancies identifies diagnostic signatures and highlights disruption of spindle assembly complex. <i>Chromosome Research</i> . https://doi.org/10.1007/s10577-019-09606-0	University of California, Davis; Breen
02324-E	Lau, J., Nettifee, J. A., Early, P. J., Mariani, C. L., Olby, N. J., & Muñana, K. R. (2019). Clinical characteristics, breed differences, and quality of life in North American dogs with acute steroid-responsive meningitis-arteritis. <i>Journal of Veterinary Internal Medicine</i> . https://doi.org/10.1111/jvim.15543	North Carolina State University; Muñana
CBTC	LeBlanc, A. (2019). A Report from the NCI Comparative Brain Tumor Consortium (CBTC) Glioma Pathology Board: A Revised Diagnostic Classification in Support of Validation of the Canine Glioma Patient as a Model for Humans. <i>Veterinary Pathology</i> , 300985818819179. https://doi.org/10.1177/0300985818819179	National Cancer Institute; LeBlanc
02161-A	Martel, D. P., Fox, P. R., Lamb, K. E., & Carmichael, D. T. (2019). Comparison of closed root planing with versus without concurrent doxycycline hyclate or clindamycin hydrochloride gel application for the treatment of periodontal disease in dogs. <i>Journal of the American Veterinary Medical Association</i> , 254(3), 373–379. https://doi.org/10.2460/javma.254.3.373	The Animal Medical Center; Martel
02242	Martinez, S. E., Shi, J., Zhu, H.-J., Jimenez, T. E. P., Zhu, Z., & Court, M. H. (2019). Absolute quantitation of drug metabolizing cytochrome P450 enzymes and accessory proteins in dog liver microsomes using label-free standard-free analysis reveals inter-breed variability. <i>Drug Metabolism and Disposition</i> , dmd.119.088070. https://doi.org/10.1124/dmd.119.088070	Washington State University; Court

01075-A	May, E. R., Frank, L. A., & Sula, M.-J. M. (2019). Description and characterization of a hair coat disorder in Schipperkes. <i>Veterinary Dermatology</i> , 30(1), 36-e10. https://doi.org/10.1111/vde.12711	Iowa State University; May
02529	Mealey, K. L., Martinez, S. E., Villarino, N. F., & Court, M. H. (2019). Personalized medicine: Going to the dogs? <i>Human Genetics</i> . https://doi.org/10.1007/s00439-019-02020-w	Washington State University; Court
01131	Megquier, K., Turner-Maier, J., Swofford, R., Kim, J.-H., Sarver, A. L., Wang, C., Sakthikumar, S., Johnson, J., Koltookian, M., Lewellen, M., Scott, M. C., Schulte, A. J., Borst, L., Tonomura, N., Alfoldi, J., Painter, C., Thomas, R., Karlsson, E. K., Breen, M., ... Lindblad-Toh, K. (2019). Comparative Genomics Reveals Shared Mutational Landscape in Canine Hemangiosarcoma and Human Angiosarcoma. <i>Molecular Cancer Research</i> , 17(12), 2410–2421. https://doi.org/10.1158/1541-7786.MCR-19-0221	University of Minnesota; Modiano
01828	Mikkola, L., Holopainen, S., Pessa-Morikawa, T., Lappalainen, A. K., Hytönen, M. K., Lohi, H., & Iivanainen, A. (2019). Genetic dissection of canine hip dysplasia phenotypes and osteoarthritis reveals three novel loci. <i>BMC Genomics</i> , 20(1027), 1–13. https://doi.org/10.1186/s12864-019-6422-6	University of Helsinki and the Folkhälsan Institute of Genetics; Iivanainen
01828	Mikkola, L. I., Holopainen, S., Lappalainen, A. K., Pessa-Morikawa, T., Augustine, T. J. P., Arumilli, M., Hytönen, M. K., Hakosalo, O., Lohi, H., & Iivanainen, A. (2019). Novel protective and risk loci in hip dysplasia in German Shepherds. <i>PLOS Genetics</i> , 15(7), e1008197. https://doi.org/10.1371/journal.pgen.1008197	University of Helsinki and the Folkhälsan Institute of Genetics; Iivanainen
02327-MOU	Ontiveros, E. S., Fousse, S. L., Crofton, A. E., Hodge, T. E., Gunther-Harrington, C. T., Visser, L. C., & Stern, J. A. (2019). Congenital Cardiac Outflow Tract Abnormalities in Dogs: Prevalence and Pattern of Inheritance From 2008 to 2017. <i>Frontiers in Veterinary Science</i> , 6. https://doi.org/10.3389/fvets.2019.00052	University of California, Davis; Stern
02228-MOU	Ontiveros, E. S., Hughes, S., Penedo, M. C. T., Grahn, R. A., & Stern, J. A. (2019). Genetic heterogeneity and diversity of North American Golden Retrievers using a low density STR marker panel. <i>PLOS ONE</i> , 14(2), e0212171. https://doi.org/10.1371/journal.pone.0212171	University of California, Davis; Stern
02188-A	Place, N. J., Cheraskin, J.-L., & Hansen, B. S. (2019). Evaluation of combined assessments of serum anti-Müllerian hormone and progesterone concentrations for the diagnosis of ovarian remnant syndrome in dogs. <i>Journal of the American Veterinary Medical Association</i> , 254(9), 1067–1072. https://doi.org/10.2460/javma.254.9.1067	Cornell University; Place

02182-A	Santoro, D., Archer, L., & Kelley, K. (2019). A defective release of host defense peptides is present in canine atopic skin - ScienceDirect. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> . https://doi.org/Comparative Immunology, Microbiology and Infectious Diseases	University of Florida; Santoro
02321	Schlein, L. J., Fadl-Alla, B., Pondenis, H. C., Lezmi, S., Eberhart, C. G., LeBlanc, A. K., ... Fan, T. M. (2019). Immunohistochemical Characterization of Procaspace-3 Overexpression as a Druggable Target With PAC-1, a Procaspace-3 Activator, in Canine and Human Brain Cancers. <i>Frontiers in Oncology, 9(96)</i> . https://doi.org/10.3389/fonc.2019.00096	University of Illinois; Fan
02380-A	Smith, A. M., Arruda, A. G., Evason, M. D., Weese, J. S., Wittum, T. E., Szlosek, D., & Stull, J. W. (2019). A cross-sectional study of environmental, dog, and human-related risk factors for positive canine leptospirosis PCR test results in the United States, 2009 to 2016. <i>BMC Veterinary Research, 15(1)</i> , 412. https://doi.org/10.1186/s12917-019-2148-6	The Ohio State University; Stull
01265	Sophocleous, R. A., Sluyter, V., Curtis, B. L., Curtis, S. J., Jurak, L. M., Faulks, M., Spildrejorde, M., Gates, S., Proctor, E.-J., Seavers, A., Watson, D., Kuit, T., Downton, M., Stokes, L., & Sluyter, R. (2019). Association of a P2RX7 gene missense variant with brachycephalic dog breeds. <i>Animal Genetics</i> . https://doi.org/10.1111/age.12884	University of Wollongong; Sluyter
02162-MOU	Sparks, C. R., Robertson, I., & Olby, N. J. (2019). Morphometric analysis of spinal cord termination in Cavalier King Charles Spaniels. <i>Journal of Veterinary Internal Medicine</i> . 1-9. https://doi.org/10.1111/jvim.15437	North Carolina State University; Olby
02326-E	Taguchi, D. T., Borjesson, D. L., Osmond, D. C., & Griffon, D. D. J. (2019). Influence of Donor's Age on Immunomodulatory Properties of Canine Adipose Tissue-Derived Mesenchymal Stem Cells. <i>Stem Cells and Development</i> . https://doi.org/10.1089/scd.2019.0118	Western University of Health Sciences; Griffon
02171-MOU	Takada, M., Smith, L. A., Hix, J. M. L., Corner, S. M., O'Reilly, S., Kiupel, M., & Yuzbasiyan-Gurkan, V. (2019). Development of an Orthotopic Intrasplenic Xenograft Mouse Model of Canine Histiocytic Sarcoma and Its Use in Evaluating the Efficacy of Treatment with Dasatinib. <i>Comparative Medicine, 69(1)</i> , 22–28. http://dx.doi.org/10.30802/AALAS-CM-18-000065	Michigan State University; Yuzbasiyan-Gurkan
01426	Thamm, D. H., Weishaar, K. M., Charles, J. B., & Ehrhart, E. J. (2019). Phosphorylated KIT as a Predictor of Outcome in Canine Mast Cell Tumours Treated with Toceranib Phosphate or Vinblastine. <i>Veterinary and Comparative Oncology</i> . https://doi.org/10.1111/vco.12525	Colorado State University; Thamm

01896-A	Thomovsky, S. A., Chen, A. V., Deavila, D. M., & Kiszonas, A. M. (2019). Serum Melatonin Values in Normal Dogs and Dogs with Seizures. <i>Journal of the American Animal Hospital Association</i> . https://doi.org/10.5326/JAAHA-MS-6669	Washington State University; Thomovsky
2015 Clinician Scientist Fellowship Program	Toedebusch, C. M., Garcia, V. B., Snyder, J. C., Jones, M. R., Schulz, D. J., Johnson, G. C., Villalón, E., Coates, J. R., & Garcia, M. L. (2019). Lumbar spinal cord microglia exhibited increased activation in aging dogs compared with young adult dogs. <i>GeroScience</i> . https://doi.org/10.1007/s11357-019-00133-8	University of Missouri; Coates
02241	Tsou, P.-Y., McCormack, M. C., Matsui, E. C., Peng, R. D., Diette, G. B., Hansel, N. N., & Davis, M. F. (2019). The Effect of Dog Allergen Exposure on Asthma Morbidity among Inner-city Children with Asthma. <i>Pediatric Allergy and Immunology, 0(ja)</i> . https://doi.org/10.1111/pai.13144	Johns Hopkins University; Davis
01982	Ueda, Y., Johnson, L. R., Ontiveros, E. S., Visser, L. C., Gunther-Harrington, C. T., & Stern, J. A. (2019). Effect of a phosphodiesterase-5A (PDE5A) gene polymorphism on response to sildenafil therapy in canine pulmonary hypertension. <i>Scientific Reports, 9(1)</i> , 6899. https://doi.org/10.1038/s41598-019-43318-z	University of California, Davis; Stern
02257	Villani, N. A., Bullock, G., Michaels, J. R., Yamato, O., O'Brien, D. P., Mhlanga-Mutangadura, T., ... Katz, M. L. (2019). A mixed breed dog with neuronal ceroid lipofuscinosis is homozygous for a CLN5 nonsense mutation previously identified in Border Collies and Australian Cattle Dogs. <i>Molecular Genetics and Metabolism</i> . https://doi.org/10.1016/j.ymgme.2019.04.003	University of Missouri, Columbia; Johnson
2527-E Clinician-Scientist Program	Withers, S. S., York, D., Choi, J. W., Woolard, K. D., Laufer-Amorim, R., Sparger, E. E., ... Rebhun, R. B. (2019). Metastatic Immune Infiltrates Correlate with Those of the Primary Tumor in Canine Osteosarcoma. <i>Veterinary and Comparative Oncology</i> . https://doi.org/10.1111/vco.12459	University of California, Davis; Withers
01660	Zapata, I., Moraes, L. E., Fiala, E. M., Zaldivar-Lopez, S., Couto, C. G., Rowell, J. L., & Alvarez, C. E. (2019). Risk-modeling of dog osteosarcoma genome scans shows individuals with Mendelian-level polygenic risk are common. <i>BMC Genomics, 20(1)</i> , 226. https://doi.org/10.1186/s12864-019-5531-6	The Research Institute at Nationwide Children's Hospital; Alvarez

2018 Peer-Reviewed Publications

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CHF Grant ID	APA Citation	Institution; Principal Investigator
02282-E	Barstow, C., Wilborn, R. R., & Johnson, A. K. (2018). Breeding Soundness Examination of the Bitch. <i>Veterinary Clinics of North America: Small Animal Practice</i> , 48(4), 547–566. https://doi.org/10.1016/j.cvsm.2018.02.004	Auburn University; Wilborn
01746-A	Bauer, A., Jagannathan, V., Högl, S., Richter, B., McEwan, N. A., Thomas, A., ... Leeb, T. (2018). MKLN1 splicing defect in dogs with lethal acrodermatitis. <i>PLOS Genetics</i> , 14(3), e1007264. https://doi.org/10.1371/journal.pgen.1007264	University of Pennsylvania; Casal
02252	Berk, B. A., Packer, R. M. A., Law, T. H., & Volk, H. A. (2018). Investigating owner use of dietary supplements in dogs with idiopathic epilepsy. <i>Research in Veterinary Science</i> , 119, 276–284. https://doi.org/10.1016/j.rvsc.2018.07.004	Royal Veterinary College, University of London; Volk
01898-A	Cunningham, S. M., Aona, B. D., Antoon, K., Rush, J. E., & Barton, B. A. (2018). Echocardiographic assessment of right ventricular systolic function in Boxers with arrhythmogenic right ventricular cardiomyopathy. <i>Journal of Veterinary Cardiology</i> , 20(5), 343–353. https://doi.org/10.1016/j.jvc.2018.07.005	Tufts University; Cunningham
02078	Diaz-Rodriguez, P., Erndt-Marino, J. D., Gharat, T., Pinto, D. J. M., Samavedi, S., Bearden, R., ... Hahn, M. S. (2018). Toward zonally tailored scaffolds for osteochondral differentiation of synovial mesenchymal stem cells. <i>Journal of Biomedical Materials Research Part B: Applied Biomaterials</i> , 1-11. https://doi.org/10.1002/jbm.b.34293	Texas A&M AgriLife Research; Saunders
01826	Freeman, A. C., Platt, S. R., Holmes, S., Kent, M., Robinson, K., Howerth, E., ... Hadjipanayis, C. G. (2018). Convection-enhanced delivery of cetuximab conjugated iron-oxide nanoparticles for treatment of spontaneous canine intracranial gliomas. <i>Journal of Neuro-Oncology</i> , 137(3), 653–663. https://doi.org/10.1007/s11060-018-2764-1	University of Georgia; Platt
02078	Gharat, T. P., Diaz-Rodriguez, P., Erndt-Marino, J. D., Jimenez Vergara, A. C., Munoz Pinto, D. J., Bearden, R. N., ... Hahn, M. S. (2018). A canine in vitro model for evaluation of marrow-derived mesenchymal stromal cell-based bone scaffolds. <i>Journal of Biomedical Materials Research Part A</i> , 106(9), 2382–2393. https://doi.org/10.1002/jbm.a.36430	Texas A&M AgriLife Research; Saunders

01986	Gookin, J. L., Mathews, K. G., Cullen, J., & Seiler, G. (2018). Qualitative metabolomics profiling of serum and bile from dogs with gallbladder mucocele formation. <i>PLOS ONE</i> , 13(1), e0191076. https://doi.org/10.1371/journal.pone.0191076	North Carolina State University; Gookin
0002336	Hare, E., Kelsey, K. M., Serpell, J. A., & Otto, C. M. (2018). Behavior Differences Between Search-and-Rescue and Pet Dogs. <i>Frontiers in Veterinary Science</i> , 5. https://doi.org/10.3389/fvets.2018.00118	University of Pennsylvania; Otto
02175-A	Hensel, M. E., Negron, M., & Arenas-Gamboa, A. M. (2018). Brucellosis in Dogs and Public Health Risk. <i>Emerging Infectious Diseases</i> , 24(8), 1401–1406. https://doi.org/10.3201/eid2408.171171	Texas A&M AgriLife Research; Arenas
01658	Hokamp, J. A., Leidy, S. A., Gaynanova, I., Cianciolo, R. E., & Nability, M. B. (2018). Correlation of electrophoretic urine protein banding patterns with severity of renal damage in dogs with proteinuric chronic kidney disease. <i>Veterinary Clinical Pathology</i> , 47(3), 425–434. https://doi.org/10.1111/vcp.12648	Texas A&M AgriLife Research; Nability
01771	Hullar, M. A. J., Lampe, J. W., Torok-Storb, B. J., & Harkey, M. A. (2018). The canine gut microbiome is associated with higher risk of gastric dilatation-volvulus and high risk genetic variants of the immune system. <i>PLOS ONE</i> , 13(6), e0197686. https://doi.org/10.1371/journal.pone.0197686	Fred Hutchinson Cancer Research Center; Torok-Storb
00422	Kim, J.-H., Frantz, A. M., Sarver, A. L., Gorden Klukas, B. H., Lewellen, M., O'Brien, T. D., ... Modiano, J. F. (2018). Modulation of fatty acid metabolism and immune suppression are features of in vitro tumour sphere formation in ontogenetically distinct dog cancers. <i>Veterinary and Comparative Oncology</i> , 16(1), E176–E184. https://doi.org/10.1111/vco.12368	University of Minnesota; O'Brien
01859-A	Kurosawa, T. A., Sist, M. D., & Sanders, R. A. (2018). Echocardiographic variables in healthy North American Salukis. <i>Journal of Veterinary Cardiology</i> , 20(5), 301–306. https://doi.org/10.1016/j.jvc.2018.07.003	Michigan State University; Sanders
01995	MacLean, E. L., & Hare, B. (2018). Enhanced Selection of Assistance and Explosive Detection Dogs Using Cognitive Measures. <i>Frontiers in Veterinary Science</i> , 5. https://doi.org/10.3389/fvets.2018.00236	Duke University; MacLean

02052	Makielski, K. M., Brooks, M. B., Wang, C., Cullen, J. N., O'Connor, A. M., & LeVine, D. N. (2018). Development and implementation of a novel immune thrombocytopenia bleeding score for dogs. <i>Journal of Veterinary Internal Medicine</i> , 32(3), 1041–1050. https://doi.org/10.1111/jvim.15089	Iowa State University; LeVine
01584	Mostafa, A. A., Cunningham, D. P., Boudrieau, R. J., Kowaleski, M. P., & Griffon, D. J. (2018). Influence of radiographic techniques on the measurement of femoral anteversion angles and a conformation score of pelvic limbs in Labrador Retrievers. <i>Veterinary Surgery</i> , 47(3), 421–430. https://doi.org/10.1111/vsu.12782	Western University of Health Sciences; Griffon
02315-A	Nemec, P. S., Kapatoss, A., Holmes, J. C., & Hess, P. R. (2018). The prevalent Boxer MHC class Ia allotype dog leukocyte antigen (DLA)-88*034:01 preferentially binds nonamer peptides with a defined motif. <i>HLA</i> , 92(6), 403–407. https://doi.org/10.1111/tan.13398	North Carolina State University; Hess
02287	Neupane, P., Hegarty, B. C., Marr, H. S., Maggi, R. G., Birkenheuer, A. J., & Breitschwerdt, E. B. (2018). Evaluation of cell culture-grown <i>Bartonella</i> antigens in immunofluorescent antibody assays for the serological diagnosis of bartonellosis in dogs. <i>Journal of Veterinary Internal Medicine</i> . https://doi.org/10.1111/jvim.15301	North Carolina State University; Breitschwerdt
01609	Otoni, C. C., Heilmann, R. M., García-Sancho, M., Sainz, A., Ackermann, M. R., Suchodolski, J. S., ... Jergens, A. E. (2018). Serologic and fecal markers to predict response to induction therapy in dogs with idiopathic inflammatory bowel disease. <i>Journal of Veterinary Internal Medicine</i> , 32(3), 999–1008. https://doi.org/10.1111/jvim.15123	Iowa State University; Jergens
02138	Pijnacker, T., Kooistra, H. S., Vermeulen, C. F., van der Vinne, M., Prins, M., Galac, S., & Mol, J. A. (2018). Use of basal and TRH-stimulated plasma growth hormone concentrations to differentiate between primary hypothyroidism and nonthyroidal illness in dogs. <i>Journal of Veterinary Internal Medicine</i> , 32(4), 1319–1324. https://doi.org/10.1111/jvim.15139	University of Utrecht; Mol
02325-E	Reinhart, J. M., Ekena, J., Cioffi, A. C., & Trepanier, L. A. (2018). A single-nucleotide polymorphism in the canine cytochrome b5 reductase (CYB5R3) gene is associated with sulfonamide hypersensitivity and is overrepresented in Doberman Pinschers. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 41(3), 402–408. https://doi.org/10.1111/jvp.12478	University of Wisconsin, Madison; Trepanier
02353-A	Ruel, H. L., Watanabe, R., Evangelista, M. C., Beauchamp, G., & Steagall, P. V. (2018). Feasibility and reliability of electrical, mechanical and thermal nociceptive testing and assessment of diffuse noxious inhibitory control in dogs. <i>Journal of Pain Research</i> , 11, 2491–2496. https://doi.org/10.2147/JPR.S164483	University of Montreal; Steagall

00822	Sakthikumar, S., Elvers, I., Kim, J., Arendt, M. L., Thomas, R., Turner-Maier, J., ... Lindblad-Toh, K. (2018). SETD2 is recurrently mutated in whole-exome sequenced canine osteosarcoma. <i>Cancer Research</i> , canres.3558.2017. https://doi.org/10.1158/0008-5472.CAN-17-3558	Canine Comparative Oncology and Genomics Consortium, Inc; Breen
01762	Sample, S. J., Racette, M. A., Hans, E. C., Volstad, N. J., Schaefer, S. L., Bleedorn, J. A., ... Muir, P. (2018). Use of a platelet-rich plasma-collagen scaffold as a bioenhanced repair treatment for management of partial cruciate ligament rupture in dogs. <i>PLOS ONE</i> , 13(6), e0197204. https://doi.org/10.1371/journal.pone.0197204	University of Wisconsin, Madison; Muir
02011	Sanders, K., Mol, J. A., Slob, A., Kooistra, H. S., & Galac, S. (2018). Steroidogenic factor-1 inverse agonists as a treatment option for canine hypercortisolism: in vitro study. <i>Domestic Animal Endocrinology</i> , 63, 23–30. https://doi.org/10.1016/j.domaniend.2017.11.001	University of Utrecht; Galac
02011	Sanders, R. A., Kurosawa, T. A., & Sist, M. D. (2018). Ambulatory electrocardiographic evaluation of the occurrence of arrhythmias in healthy Salukis. <i>Journal of the American Veterinary Medical Association</i> , 252(8), 966–969. https://doi.org/10.2460/javma.252.8.966	University of Utrecht; Galac
02204	Selmic, L. E., Samuelson, J., Reagan, J. K., Mesa, K. J., Driskell, E., Li, J., ... Boppart, S. A. (2018). Intra-operative imaging of surgical margins of canine soft tissue sarcoma using optical coherence tomography. <i>Veterinary and Comparative Oncology</i> , 17(1), 80–88. https://doi.org/10.1111/vco.12448	The Ohio State University; Selmic
02243-A	Shull, O. R., Reilly, C. M., Davis, L. B., Murphy, C. J., & Thomasy, S. M. (2018). Phenotypic Characterization of Corneal Endothelial Dystrophy in German Shorthaired and Wirehaired Pointers Using In Vivo Advanced Corneal Imaging and Histopathology: <i>Cornea</i> , 37(1), 88–94. https://doi.org/10.1097/ICO.0000000000001431	University of California, Davis; Thomasy
02231-A	Sikina, E. R., Bach, J. F., Lin, Z., Gehring, R., & KuKanich, B. (2018). Bioavailability of suppository acetaminophen in healthy and hospitalized ill dogs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 41(5), 652–658. https://doi.org/10.1111/jvp.12664	University of Wisconsin, Madison; Bach
02162-MOU	Sparks, C. R., Gorney, A., Williams, K., Griffith, E. H., Cerda-Gonzalez, S., Lascelles, B. D. X., & Olby, N. J. (2018). Investigation of sensory thresholds in Cavalier King Charles Spaniels with and without Chiari-like malformations and syringomyelia. <i>Journal of Veterinary Internal Medicine</i> , 32(6), 2021–2028. https://doi.org/10.1111/jvim.15297	North Carolina State University; Olby

2013 Clinician-Scientist Fellowship Program	Strohm, L. E., Visser, L. C., Chapel, E. H., Drost, W. T., & Bonagura, J. D. (2018). Two-dimensional, long-axis echocardiographic ratios for assessment of left atrial and ventricular size in dogs. <i>Journal of Veterinary Cardiology</i> , 20(5), 330–342. https://doi.org/10.1016/j.jvc.2018.07.008	The Ohio State University; Visser
02171-MOU	Takada, M., Hix, J. M. L., Corner, S., Schall, P. Z., Kiupel, M., & Yuzbasiyan-Gurkan, V. (2018). Targeting MEK in a translational model of histiocytic sarcoma. <i>Molecular Cancer Therapeutics</i> , 17(11). https://doi.org/10.1158/1535-7163.MCT-17-1273	Michigan State University; Yuzbasiyan-Gurkan
01421	Videla, R., Solyman, S. M., Brahmabhatt, A., Sadeghi, L., Bemis, D. A., & Kania, S. A. (2018). Clonal Complexes and Antimicrobial Susceptibility Profiles of <i>Staphylococcus pseudintermedius</i> Isolates from Dogs in the United States. <i>Microbial Drug Resistance</i> , 24(1), 83–88. https://doi.org/10.1089/mdr.2016.0250	University of Tennessee; Kania
01849	Wang, J., Wang, T., Bishop, M. A., Edwards, J. F., Yin, H., Dalton, S., ... Zhao, S. (2018). Collaborating genomic, transcriptomic and microbiomic alterations lead to canine extreme intestinal polyposis. <i>Oncotarget</i> , 9(49). https://doi.org/10.18632/oncotarget.25646	University of Georgia Research Foundation, Inc; Zhao
02455-A	Wang, J., Wang, T., Sun, Y., Feng, Y., Kisseberth, W. C., Henry, C. J., ... Zhao, S. (2018). Proliferative and Invasive Colorectal Tumors in Pet Dogs Provide Unique Insights into Human Colorectal Cancer. <i>Cancers</i> , 10(9), 330. https://doi.org/10.3390/cancers10090330	University of Georgia; Zhao
01426	Weishaar, K. M., Ehrhart, E. J., Avery, A. C., Charles, J. B., Elmslie, R. E., Vail, D. M., ... Thamm, D. H. (2018). c-Kit Mutation and Localization Status as Response Predictors in Mast Cell Tumors in Dogs Treated with Prednisone and Toceranib or Vinblastine. <i>Journal of Veterinary Internal Medicine</i> , 32(1), 394–405. https://doi.org/10.1111/jvim.14889	Colorado State University; Thamm
02248	Wielander, F., James, F. M. K., Cortez, M. A., Kluger, G., Neßler, J. N., Tipold, A., ... Fischer, A. (2018). Absence Seizures as a Feature of Juvenile Myoclonic Epilepsy in Rhodesian Ridgeback Dogs. <i>Journal of Veterinary Internal Medicine</i> , 32(1), 428–432. https://doi.org/10.1111/jvim.14892	The Folkhälsan Institute of Genetics; Lohi
2527-E Clinician-Scientist Program	Withers, S. S., Skorupski, K. A., York, D., Choi, J. W., Woolard, K. D., Laufer-Amorim, R., ... Rebhun, R. B. (2018). Association of macrophage and lymphocyte infiltration with outcome in canine osteosarcoma. <i>Veterinary and Comparative Oncology</i> , 17(1), 49–60. https://doi.org/10.1111/vco.12444	University of California, Davis; Withers

**2527-E
Clinician-
Scientist
Program**

Withers, S. S., York, D., Johnson, E., Al-Nadaf, S., Skorupski, K. A., Rodriguez, C. O., ... Rebhun, R. B. (2018). In vitro and in vivo activity of liposome-encapsulated curcumin for naturally occurring canine cancers. *Veterinary and Comparative Oncology*, 16(4), 571–579.
<https://doi.org/10.1111/vco.12424>

University of California,
Davis; Withers

02455-A

Zhang, M., Liu, D., Tang, J., Feng, Y., Wang, T., Dobbin, K. K., ... Zhao, S. (2018). SEG - A Software Program for Finding Somatic Copy Number Alterations in Whole Genome Sequencing Data of Cancer. *Computational and Structural Biotechnology Journal*, 16, 335–341.
<https://doi.org/10.1016/j.csbj.2018.09.001>

University of Georgia;
Zhao

01602

Zimmerman, K. L., Panciera, D. L., Hoeschele, I., Monroe, W. E., Todd, S. M., Werre, S. R., ... Lake, B. B. (2018). Adrenocortical Challenge Response and Genomic Analyses in Scottish Terriers with Increased Alkaline Phosphate Activity. *Frontiers in Veterinary Science*, 5.
<https://doi.org/10.3389/fvets.2018.00231>

Virginia-Maryland
Regional College of
Veterinary Medicine;
Zimmerman

2017 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
02078	Bearden, R. N., Huggins, S. S., Cummings, K. J., Smith, R., Gregory, C. A., & Saunders, W. B. (2017). In-vitro characterization of canine multipotent stromal cells isolated from synovium, bone marrow, and adipose tissue: a donor-matched comparative study. <i>Stem Cell Research & Therapy</i> , 8(1). https://doi.org/10.1186/s13287-017-0639-6	Texas A&M AgriLife Research; Saunders
01892-A	Bertocci, G. E., Brown, N. P., & Mich, P. M. (2017). Biomechanics of an orthosis-managed cranial cruciate ligament-deficient canine stifle joint predicted by use of a computer model. <i>American Journal of Veterinary Research</i> , 78(1), 27–35. https://doi.org/10.2460/ajvr.78.1.27	University of Louisville; Bertocci
01889-G	Borgatti, A., Koopmeiners, J. S., Sarver, A. L., Winter, A. L., Stuebner, K., Todhunter, D., ... Vallera, D. A. (2017). Safe and Effective Sarcoma Therapy through Bispecific Targeting of EGFR and uPAR. <i>Molecular Cancer Therapeutics</i> , 16(5), 956–965. https://doi.org/10.1158/1535-7163.MCT-16-0637	University of Minnesota; Modiano, Broad Institute; Karlsson, North Carolina State University; Breen
01782	Brown, N. P., Bertocci, G. E., & Marcellin-Little, D. J. (2017). Canine cranial cruciate ligament deficient stifle biomechanics associated with extra-articular stabilization predicted using a computer model: BROWN et al. <i>Veterinary Surgery</i> , 46(5), 653–662. https://doi.org/10.1111/vsu.12652	University of Louisville; Bertocci
01584	Cunningham, D. P., Mostafa, A. A., Gordan-Evans, W. J., Boudrieau, R. J., & Griffon, D. J. (2017). Factors contributing to the variability of a predictive score for cranial cruciate ligament deficiency in Labrador Retrievers. <i>BMC Veterinary Research</i> , 13(1). https://doi.org/10.1186/s12917-017-1154-9	Western University of Health Sciences; Griffon
01188-A	Davis, M. S., Cummings, S. L., & Payton, M. E. (2017). Effect of brachycephaly and body condition score on respiratory thermoregulation of healthy dogs. <i>Journal of the American Veterinary Medical Association</i> , 251(10), 1160–1165. https://doi.org/10.2460/javma.251.10.1160	Oklahoma State University; Davis
02261-MOU	Evans, J. M., Noorai, R. E., Tsai, K. L., Starr-Moss, A. N., Hill, C. M., Anderson, K. J., ... Clark, L. A. (2017). Beyond the MHC: A canine model of dermatomyositis shows a complex pattern of genetic risk involving novel loci. <i>PLOS Genetics</i> , 13(2), e1006604. https://doi.org/10.1371/journal.pgen.1006604	Clemson University; Clark

01762	Fazio, C. G., Muir, P., Schaefer, S. L., & Waller, K. R. (2017). Accuracy of 3 Tesla magnetic resonance imaging using detection of fiber loss and a visual analog scale for diagnosing partial and complete cranial cruciate ligament ruptures in dogs. <i>Veterinary Radiology & Ultrasound</i> , 59(1), 64–78. https://doi.org/10.1111/vru.12567	University of Wisconsin, Madison; Muir
02142-A	Franklin, S. P., Burke, E. E., & Holmes, S. P. (2017). Utility of MRI for Characterizing Articular Cartilage Pathology in Dogs with Medial Coronoid Process Disease. <i>Frontiers in Veterinary Science</i> , 4. https://doi.org/10.3389/fvets.2017.00025	University of Georgia Research Foundation, Inc; Franklin
02078	Gacasan, E. G., Sehnert, R. M., Ehrhardt, D. A., & Grunlan, M. A. (2017). Templated, Macroporous PEG-DA Hydrogels and Their Potential Utility as Tissue Engineering Scaffolds. <i>Macromolecular Materials and Engineering</i> , 302(5), 1600512. https://doi.org/10.1002/mame.201600512	Texas A&M AgriLife Research; Saunders
02148-A	Goulet, S., Giger, U., Arsenault, J., Abrams-Ogg, A., Euler, C. C., & Blais, M.-C. (2017). Prevalence and Mode of Inheritance of the <i>Dal</i> Blood Group in Dogs in North America. <i>Journal of Veterinary Internal Medicine</i> , 31(3), 751–758. https://doi.org/10.1111/jvim.14693	University of Montreal; Blais
01584	Griffon, D. J., Cunningham, D., Gordon-Evans, W. J., Tanaka, R., Bruecker, K. A., & Boudrieau, R. J. (2017). Evaluation of a scoring system based on conformation factors to predict cranial cruciate ligament disease in Labrador Retrievers. <i>Veterinary Surgery</i> , 46(2), 206–212. https://doi.org/10.1111/vsu.12593	Western University of Health Sciences; Griffon
01426	Halsey, C. H. C., Thamm, D. H., Weishaar, K. M., Burton, J. H., Charles, J. B., Gustafson, D. L., ... Ehrhart, E. J. (2017). Expression of Phosphorylated KIT in Canine Mast Cell Tumor. <i>Veterinary Pathology</i> , 54(3), 387–394. https://doi.org/10.1177/0300985816688943	Colorado State University; Thamm
01771	Harkey, M. A., Villagran, A. M., Venkataraman, G. M., Leisenring, W. M., Hullar, M. A. J., & Torok-Storb, B. J. (2017). Associations between gastric dilatation-volvulus in Great Danes and specific alleles of canine immune-system genes DLA88, DRB1, and TLR5. <i>American Journal of Veterinary Research</i> . 78(8), 12.	Fred Hutchinson Cancer Research Center; Torok-Storb
00652-A	Harms, A., Segers, F. H. I. D., Quebatte, M., Mistl, C., Manfredi, P., Körner, J., ... Dehio, C. (2017). Evolutionary Dynamics of Pathoadaptation Revealed by Three Independent Acquisitions of the VirB/D4 Type IV Secretion System in <i>Bartonella</i> . <i>Genome Biology and Evolution</i> , 9(3), 761–776. https://doi.org/10.1093/gbe/evx042	University of California, Davis; Chomel

02124-A	Hesser, A., Darr, C., Gonzales, K., Power, H., Scanlan, T., Thompson, J., ... Meyers, S. (2017). Semen evaluation and fertility assessment in a purebred dog breeding facility. <i>Theriogenology</i> , 87, 115–123. https://doi.org/10.1016/j.theriogenology.2016.08.012	University of California, Davis; Meyers
01759	Im, K. S., Kim, J. H., Graef, A. J., Cornax, I., Seelig, D. M., O’Sullivan, M. G., ... Modiano, J. F. (2017). Establishment of a Patient-Derived Xenograft of Canine Enteropathy-Associated T-Cell Lymphoma, Large Cell Type. <i>Journal of Comparative Pathology</i> , 156(1), 37–41. https://doi.org/10.1016/j.jcpa.2016.11.271	University of Minnesota; Modiano
02248	James, F. M. K., Cortez, M. A., Monteith, G., Jokinen, T. S., Sanders, S., Wielaender, F., ... Lohi, H. (2017). Diagnostic Utility of Wireless Video-Electroencephalography in Unsedated Dogs. <i>Journal of Veterinary Internal Medicine</i> , 31(5), 1469–1476. https://doi.org/10.1111/jvim.14789	The Folkhälsan Institute of Genetics; Lohi
01731	Jeffery, N. D., Barker, A. K., Alcott, C. J., Levine, J. M., Meren, I., Wengert, J., ... Suchodolski, J. S. (2017). The Association of Specific Constituents of the Fecal Microbiota with Immune-Mediated Brain Disease in Dogs. <i>PLOS ONE</i> , 12(1), e0170589. https://doi.org/10.1371/journal.pone.0170589	Iowa State University; Jeffery
01900-A	Kidd, L., Qurollo, B., Lappin, M., Richter, K., Hart, J. R., Hill, S., ... Breitschwerdt, E. B. (2017). Prevalence of Vector-Borne Pathogens in Southern California Dogs with Clinical and Laboratory Abnormalities Consistent with Immune-Mediated Disease. <i>Journal of Veterinary Internal Medicine</i> , 31(4), 1081–1090. https://doi.org/10.1111/jvim.14735	Western University of Health Sciences; Kidd
02257	Kolichski, A., Barnes Heller, H. L., Arnold, S., Schnabel, R. D., Taylor, J. F., Knox, C. A., ... Katz, M. L. (2017). Homozygous <i>PPT1</i> Splice Donor Mutation in a Cane Corso Dog with Neuronal Ceroid Lipofuscinosis. <i>Journal of Veterinary Internal Medicine</i> , 31(1), 149–157. https://doi.org/10.1111/jvim.14632	University of Missouri, Columbia; Johnson
02257	Kolichski, A., Johnson, G. S., Villani, N. A., O’Brien, D. P., Mhlanga-Mutangadura, T., Wenger, D. A., ... Katz, M. L. (2017). GM2 Gangliosidosis in Shiba Inu Dogs with an In-Frame Deletion in <i>HEXB</i> . <i>Journal of Veterinary Internal Medicine</i> , 31(5), 1520–1526. https://doi.org/10.1111/jvim.14794	University of Missouri, Columbia; Johnson
01425	Koskinen, L. L. E., Seppälä, E. H., Weissl, J., Jokinen, T. S., Viitmaa, R., Hänninen, R. L., ... Lohi, H. (2017). ADAM23 is a common risk gene for canine idiopathic epilepsy. <i>BMC Genetics</i> , 18(1). https://doi.org/10.1186/s12863-017-0478-6	University of Helsinki and the Folkhälsan Institute of Genetics; Lohi

01995	<p>MacLean, E. L., Herrmann, E., Suchindran, S., & Hare, B. (2017). Individual differences in cooperative communicative skills are more similar between dogs and humans than chimpanzees. <i>Animal Behaviour</i>, 126, 41–51. https://doi.org/10.1016/j.anbehav.2017.01.005</p>	Duke University; MacLean
02118-A	<p>Mair, G., Unger, H., & Gabriel, C. (2017). Combining RPL27 with OAZ1 or RPL8 as Universal Normalizers of Gene Expression in Canine Endometrial Studies. <i>International Journal of Veterinary Science and Technology</i>, 1(1), 23–24.</p>	University of Veterinary Medicine of Vienna; Bartel
02204	<p>Mesa, K. J., Selmic, L. E., Pande, P., Monroy, G. L., Reagan, J., Samuelson, J., ... Boppart, S. A. (2017). Intraoperative optical coherence tomography for soft tissue sarcoma differentiation and margin identification. <i>Lasers in Surgery and Medicine</i>, 49(3), 240–248. https://doi.org/10.1002/lsm.22633</p>	The Ohio State University; Selmic
02123-A	<p>Meyers-Wallen, V. N., Boyko, A. R., Danko, C. G., Grenier, J. K., Mezey, J. G., Hayward, J. J., ... Sinclair, A. H. (2017). XX Disorder of Sex Development is associated with an insertion on chromosome 9 and downregulation of RSPO1 in dogs (<i>Canis lupus familiaris</i>). <i>PLOS ONE</i>, 12(10), e0186331. https://doi.org/10.1371/journal.pone.0186331</p>	Cornell University; Meyers-Wallen
2015 Clinician-Scientist Fellowship Program	<p>Noh, H. J., Tang, R., Flannick, J., O’Dushlaine, C., Swofford, R., Howrigan, D., ... Lindblad-Toh, K. (2017). Integrating evolutionary and regulatory information with a multispecies approach implicates genes and pathways in obsessive-compulsive disorder. <i>Nature Communications</i>, 8(1). https://doi.org/10.1038/s41467-017-00831-x</p>	Broad Institute; Noh
02252	<p>Packer, R. M. A., Volk, H. A., & Fowkes, R. C. (2017). Physiological reactivity to spontaneously occurring seizure activity in dogs with epilepsy and their carers. <i>Physiology & Behavior</i>, 177, 27–33. https://doi.org/10.1016/j.physbeh.2017.04.008</p>	Royal Veterinary College, University of London; Volk
01762	<p>Sample, S. J., Racette, M. A., Hans, E. C., Volstad, N. J., Holzman, G., Bleedorn, J. A., ... Muir, P. (2017). Radiographic and magnetic resonance imaging predicts severity of cruciate ligament fiber damage and synovitis in dogs with cranial cruciate ligament rupture. <i>PLOS ONE</i>, 12(6), e0178086. https://doi.org/10.1371/journal.pone.0178086</p>	University of Wisconsin, Madison; Muir
01893-A	<p>Sherwood, J. M., Roush, J. K., Armbrust, L. J., & Renberg, W. C. (2017). Prospective Evaluation of Intra-Articular Dextrose Prolotherapy for Treatment of Osteoarthritis in Dogs. <i>Journal of the American Animal Hospital Association</i>, 53(3), 135–142. https://doi.org/10.5326/JAAHA-MS-6508</p>	Kansas State University; Roush

00898-A	Stepien, R. L., Kelliham, H. B., & Luis Fuentes, V. (2017). Prevalence and diagnostic characteristics of non-clinical mitral regurgitation murmurs in North American Whippets. <i>Journal of Veterinary Cardiology</i> , 19(4), 317–324. https://doi.org/10.1016/j.jvc.2017.04.004	University of Wisconsin, Madison; Stepien
0195	Thierry, F., Handel, I., Hammond, G., King, L. G., Corcoran, B. M., & Schwarz, T. (2017). Further characterization of computed tomographic and clinical features for staging and prognosis of idiopathic pulmonary fibrosis in West Highland White Terriers. <i>Veterinary Radiology & Ultrasound</i> , 58(4), 381–388. https://doi.org/10.1111/vru.12491	University of Edinburgh; Corcoran
01822	Thompson, M. J., vonHoldt, B., Horvath, S., & Pellegrini, M. (2017). An epigenetic aging clock for dogs and wolves. <i>Aging</i> , 9(3), 1055–1068. https://doi.org/10.18632/aging.101211	University of California, Los Angeles; Wayne
02165-MOU	Toedebusch, C. M., Bachrach, M. D., Garcia, V. B., Johnson, G. C., Katz, M. L., Shaw, G., ... Garcia, M. L. (2017). Cerebrospinal Fluid Levels of Phosphorylated Neurofilament Heavy as a Diagnostic Marker of Canine Degenerative Myelopathy. <i>Journal of Veterinary Internal Medicine</i> , 31(2), 513–520. https://doi.org/10.1111/jvim.14659	University of Missouri, Columbia; Coates
01894-A	Trout Fryxell, R. T., Hendricks, B. M., Pompo, K., Mays, S. E., Paulsen, D. J., Operario, D. J., & Houston, A. E. (2017). Investigating the Adult Ixodid Tick Populations and Their Associated <i>Anaplasma</i> , <i>Ehrlichia</i> , and <i>Rickettsia</i> Bacteria at a Rocky Mountain Spotted Fever Hotspot in Western Tennessee. <i>Vector-Borne and Zoonotic Diseases</i> , 17(8), 527–538. https://doi.org/10.1089/vbz.2016.2091	University of Tennessee; Trout-Fryxell
00927	Urkasemsin, G., Nielsen, D. M., Singleton, A., Arepalli, S., Hernandez, D., Agler, C., & Olby, N. J. (2017). Genetics of Hereditary Ataxia in Scottish Terriers. <i>Journal of Veterinary Internal Medicine</i> , 31(4), 1132–1139. https://doi.org/10.1111/jvim.14738	North Carolina State University; Olby
01771	Venkataraman, G. M., Kennedy, L. J., Little, M.-T. E., Graves, S. S., Harkey, M. A., Torok-Storb, B. J., & Storb, R. (2017). Thirteen novel canine dog leukocyte antigen-88 alleles identified by sequence-based typing. <i>HLA</i> , 90(3), 165–170. https://doi.org/10.1111/tan.13077	Fred Hutchinson Cancer Research Center; Torok-Storb
02248	Wielander, F., Sarviaho, R., James, F., Hytönen, M. K., Cortez, M. A., Kluger, G., ... Lohi, H. (2017). Generalized myoclonic epilepsy with photosensitivity in juvenile dogs caused by a defective DIRAS family GTPase 1. <i>Proceedings of the National Academy of Sciences</i> , 114(10), 2669–2674. https://doi.org/10.1073/pnas.1614478114	The Folkhälsan Institute of Genetics; Lohi

01866-A Winter, R. L., Saunders, A. B., Gordon, S. G., Buch, J. S., & Miller, M. W. (2017). Biologic variability of N-terminal pro-brain natriuretic peptide in healthy dogs and dogs with myxomatous mitral valve disease. *Journal of Veterinary Cardiology*, *19*(2), 124–131. <https://doi.org/10.1016/j.jvc.2016.11.001>

Texas A&M AgriLife Research; Saunders

01866-A Winter, R. L., Saunders, A. B., Gordon, S. G., Miller, M. W., Fosgate, G. T., Suchodolski, J. S., & Steiner, J. M. (2017). Biologic variability of cardiac troponin I in healthy dogs and dogs with different stages of myxomatous mitral valve disease using standard and high-sensitivity immunoassays. *Veterinary Clinical Pathology*, *46*(2), 299–307. <https://doi.org/10.1111/vcp.12495>

Texas A&M AgriLife Research; Saunders

01660 Zaldívar-López, S., Rowell, J. L., Fiala, E. M., Zapata, I., Couto, C. G., & Alvarez, C. E. (2017). Comparative genomics of canine hemoglobin genes reveals primacy of beta subunit delta in adult carnivores. *BMC Genomics*, *18*(1). <https://doi.org/10.1186/s12864-017-3513-0>

The Research Institute at Nationwide Children's Hospital; Alvarez

2016 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
02083-A	Crawford, E. C., Singh, A., Gibson, T. W. G., & Weese, J. S. (2016). Biofilm-Associated Gene Expression in <i>Staphylococcus pseudintermedius</i> on a Variety of Implant Materials: Biofilm Gene Expression on Implant Surfaces. <i>Veterinary Surgery</i> , 45(4), 499–506. https://doi.org/10.1111/vsu.12471	University of Guelph; Singh
01856-A	Duan, W., & Lopez, M. J. (2016). Effects of Cryopreservation on Canine Multipotent Stromal Cells from Subcutaneous and Infrapatellar Adipose Tissue. <i>Stem Cell Reviews and Reports</i> , 12(2), 257–268. https://doi.org/10.1007/s12015-015-9634-4	Louisiana State University; Lopez
02241	Exum, N. G., Olórtogui, 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>Environmental Science & Technology</i> , 50(14), 7373–7381. https://doi.org/10.1021/acs.est.6b01283	Johns Hopkins University; Davis
01985	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), 88. https://doi.org/10.5315/wjh.v5.i4.88	University of Wollongong; Sluyter
2015 Clinician-Scientist Fellowship Program	Friedenberg, S. G., & Meurs, K. M. (2016). Genotype imputation in the domestic dog. <i>Mammalian Genome</i> , 27(9–10), 485–494. https://doi.org/10.1007/s00335-016-9636-9	North Carolina State University; Friedenberg
2015 Clinician-Scientist Fellowship Program	Friedenberg, Steven G., Meurs, K. M., & Mackay, T. F. C. (2016). Evaluation of artificial selection in Standard Poodles using whole-genome sequencing. <i>Mammalian Genome</i> , 27(11–12), 599–609. https://doi.org/10.1007/s00335-016-9660-9	North Carolina State University; Friedenberg
02118-A	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.e2. https://doi.org/10.1016/j.theriogenology.2016.01.021	University of Veterinary Medicine of Vienna; Bartel

01925-A	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 Veterinary Research</i> , 12(1). https://doi.org/10.1186/s12917-016-0903-5	Auburn University; Smith
01488-A	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>Veterinary Medicine and Science</i> , 2(3), 191–199. https://doi.org/10.1002/vms3.34	University of California, Davis; Hart
01445	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>Nature Communications</i> , 7(1). https://doi.org/10.1038/ncomms10460	Cornell University; Simpson
01658	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>Journal of Veterinary Internal Medicine</i> , 30(2), 591–601. https://doi.org/10.1111/jvim.13832	Texas A&M AgriLife Research; Nabity
00993-A	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>American Journal of Veterinary Research</i> , 77(10), 1114–1120. https://doi.org/10.2460/ajvr.77.10.1114	University of Pennsylvania; Holt
01212-A	Ivansson, E. L., Megquier, K., Kozyrev, S. V., Murén, E., Körberg, I. B., Swofford, R., ... Lindblad-Toh, K. (2016). Variants within the SP110 nuclear body protein modify risk of canine degenerative myelopathy. <i>Proceedings of the National Academy of Sciences</i> , 113(22), E3091–E3100. https://doi.org/10.1073/pnas.1600084113	University of Missouri, Columbia; Coates
01822	Janowitz Koch, I., Clark, M. M., Thompson, M. J., Deere-Machemer, K. A., Wang, J., Duarte, L., ... vonHoldt, B. M. (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. https://doi.org/10.1111/mec.13480	University of California, Los Angeles; Wayne
02110-A	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>Journal of Veterinary Internal Medicine</i> , 30(5), 1655–1660. https://doi.org/10.1111/jvim.14522	University of Pennsylvania; Foster

01557	Kennedy, K., Thomas, R., & Breen, M. (2016). Canine Histiocytic Malignancies—Challenges and Opportunities. <i>Veterinary Sciences</i> , 3(1), 2. https://doi.org/10.3390/vetsci3010002	North Carolina State University; Breen
01975-A	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>American Journal of Veterinary Research</i> , 77(10), 1166–1174. https://doi.org/10.2460/ajvr.77.10.1166	North Carolina State University; Olby
01660	Lutful Kabir, F. M., Alvarez, C. E., & Bird, R. C. (2015). Canine Mammary Carcinomas: A Comparative Analysis of Altered Gene Expression. <i>Veterinary Sciences</i> , 3(1). https://doi.org/10.3390/vetsci3010001	The Research Institute at Nationwide Children's Hospital; Alvarez
01822	Mariano, R., & vonHoldt, B. (2016). The canine X chromosome is a sink for canine endogenous retrovirus transposition. <i>Gene Reports</i> , 4, 169–176. https://doi.org/10.1016/j.genrep.2016.05.003	University of California, Los Angeles; Wayne
01894-A	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>Medical and Veterinary Entomology</i> , 30(2), 123–134. https://doi.org/10.1111/mve.12160	University of Tennessee; Trout-Fryxell
01894-A	Mays, S. E., Houston, A. E., & Trout Fryxell, R. T. (2016). Specifying Pathogen Associations of <i>Amblyomma maculatum</i> (Acari: Ixodidae) in Western Tennessee. <i>Journal of Medical Entomology</i> , 53(2), 435–440. https://doi.org/10.1093/jme/tjv238	University of Tennessee; Trout-Fryxell
01718-A	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>Veterinary Surgery</i> , 45(3), 347–355. https://doi.org/10.1111/vsu.12456	Cornell University; Krotscheck
02131	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>American Journal of Veterinary Research</i> , 77(4), 395–403. https://doi.org/10.2460/ajvr.77.4.395	The University of Melbourne; Long

01985	Pupovac, A., & Sluyter, R. (2016). Roles of extracellular nucleotides and P2 receptors in ectodomain shedding. <i>Cellular and Molecular Life Sciences</i> , 73(22), 4159–4173. https://doi.org/10.1007/s00018-016-2274-2	University of Wollongong; Sluyter
01912-A	Quiñones-Lombraña, 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. https://doi.org/10.1016/j.gene.2016.08.005	Research Foundation of State University of New York; Blanco
01762	Racette, M., Al saleh, H., Waller, K. R., Bleedorn, J. A., McCabe, R. P., Vanderby, R., ... Muir, P. (2016). 3D FSE Cube and VIPR-aTR 3.0 Tesla magnetic resonance imaging predicts canine cranial cruciate ligament structural properties. <i>The Veterinary Journal</i> , 209, 150–155. https://doi.org/10.1016/j.tvjl.2015.10.055	University of Wisconsin, Madison; Muir
2014 Clinician-Scientist Fellowship Program	Regan, D. P., Escaffi, A., Coy, J., Kurihara, J., & Dow, S. W. (2017). Role of monocyte recruitment in hemangiosarcoma metastasis in dogs: CCL2-recruited monocytes in canine hemangiosarcoma. <i>Veterinary and Comparative Oncology</i> , 15(4), 1309–1322. https://doi.org/10.1111/vco.12272	Colorado State University; Regan
01421	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 Announcements</i> , 4(5). https://doi.org/10.1128/genomeA.01194-16	University of Tennessee; Kania
01843	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 Veterinary Research</i> , 12(1). https://doi.org/10.1186/s12917-016-0836-z	North Carolina State University; Breen
02109-MOU	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 osteodytrophy) during active disease and remission. <i>Veterinary Immunology and Immunopathology</i> , 179, 32–35. https://doi.org/10.1016/j.vetimm.2016.08.003	University of California, Davis; Bannasch
02011	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>Journal of Veterinary Internal Medicine</i> , 30(3), 741–750. https://doi.org/10.1111/jvim.13946	University of Utrecht; Galac

01889-G	<p>Seelig, D. M., Ito, D., Forster, C. L., Yoon, U. A., Breen, M., Burns, L. J., ... Linden, M. A. (2017). 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. https://doi.org/10.1080/10428194.2016.1260122</p>	<p>University of Minnesota; Modiano, Broad Institute; Karlsson, North Carolina State University; Breen</p>
02128-A	<p>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>Journal of the American Veterinary Medical Association</i>, 249(6), 612–627. https://doi.org/10.2460/javma.249.6.612</p>	<p>The Ohio State University; Stull</p>
01511-A	<p>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>Journal of the American Animal Hospital Association</i>, 52(6), 364–370. https://doi.org/10.5326/JAAHA-MS-6436</p>	<p>University of Minnesota; Mickelson</p>
01903-A	<p>Tuohy, J. L., Lascelles, B. D. X., Griffith, E. H., & Fogle, J. E. (2016). Association of Canine Osteosarcoma and Monocyte Phenotype and Chemotactic Function. <i>Journal of Veterinary Internal Medicine</i>, 30(4), 1167–1178. https://doi.org/10.1111/jvim.13983</p>	<p>North Carolina State University; Lascelles</p>
01844	<p>Vaden, S. L., & Elliott, J. (2016). Management of Proteinuria in Dogs and Cats with Chronic Kidney Disease. <i>Veterinary Clinics of North America: Small Animal Practice</i>, 46(6), 1115–1130. https://doi.org/10.1016/j.cvsm.2016.06.009</p>	<p>North Carolina State University; Vaden</p>
00799-A	<p>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>Veterinary Immunology and Immunopathology</i>, 169, 34–38. https://doi.org/10.1016/j.vetimm.2015.11.008</p>	<p>Iowa State University; Petersen</p>
01982	<p>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>Journal of Veterinary Internal Medicine</i>, 30(2), 543–552. https://doi.org/10.1111/jvim.13911</p>	<p>University of California, Davis; Stern</p>
02133	<p>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>Frontiers in Veterinary Science</i>, 3. https://doi.org/10.3389/fvets.2016.00107</p>	<p>University of Minnesota; Patterson</p>

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Zapata, I., Serpell, J. A., & Alvarez, C. E. (2016). Genetic mapping of canine fear and aggression. *BMC Genomics*, 17(1).
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The Research Institute at
Nationwide Children's
Hospital; Alvarez

2015 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
01594	Ahram, D. F., Grozdanic, S. D., Kecova, H., Henkes, A., Collin, R. W. J., & 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. https://doi.org/10.1371/journal.pone.0126660	University of Iowa; Kuehn
01911-A	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>International Journal of Oncology</i> , 47(1), 71–80. https://doi.org/10.3892/ijo.2015.2989	Van Andel Research Institute; Duesbery
01712-A	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>Veterinary Anaesthesia and Analgesia</i> , 42(3), 260–268. https://doi.org/10.1111/vaa.12201	University of Missouri, Columbia; DeClue
0002447	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. https://doi.org/10.1371/journal.pone.0134720	University of Alaska, Fairbanks; Happ
01783-A	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>American Journal of Veterinary Research</i> , 76(5), 411–419. https://doi.org/10.2460/ajvr.76.5.411	University of Minnesota; Biskup
01924-A	Blois, S. L., Lang, S. T., Wood, R. D., & Monteith, G. (2015). Biologic variability and correlation of platelet function testing in healthy dogs. <i>Veterinary Clinical Pathology</i> , 44(4), 503–510. https://doi.org/10.1111/vcp.12290	University of Guelph; Blois
01995	Bray, E. E., MacLean, E. L., & Hare, B. A. (2015). Increasing arousal enhances inhibitory control in calm but not excitable dogs. <i>Animal Cognition</i> , 18(6), 1317–1329. https://doi.org/10.1007/s10071-015-0901-1	Duke University; MacLean

01533-A	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>American Journal of Veterinary Research</i> , 76(11), 952–958. https://doi.org/10.2460/ajvr.76.11.952	University of Louisville; Bertocci
01782	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>Veterinary Surgery</i> , 44(7), 866–873. https://doi.org/10.1111/vsu.12363	University of Louisville; Bertocci
01503-A	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>Veterinary and Comparative Oncology</i> , 13(1), 48–59. https://doi.org/10.1111/vco.12018	University of Minnesota; Modiano
01612	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>Experimental Eye Research</i> , 134, 63–72. https://doi.org/10.1016/j.exer.2015.03.020	The Ohio State University; Chandler
01660	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. https://doi.org/10.1371/journal.pone.0142007	The Research Institute at Nationwide Children's Hospital; Alvarez
02092-A	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>Convergent Science Physical Oncology</i> , 1(1), 015003. https://doi.org/10.1088/2057-1739/1/1/015003	Purdue University; Childress
00754A	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>Molecular Cancer Research</i> , 13(6), 993–1002. https://doi.org/10.1158/1541-7786.MCR-14-0689	Purdue University; Knapp
01759	Dickerson, E., & Bryan, B. (2015). Beta Adrenergic Signaling: A Targetable Regulator of Angiosarcoma and Hemangiosarcoma. <i>Veterinary Sciences</i> , 2(3), 270–292. https://doi.org/10.3390/vetsci2030270	University of Minnesota; Modiano

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01912-A	<p>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 Metabolism and Disposition</i>, 43(7), 922–927. https://doi.org/10.1124/dmd.115.064295</p>	<p>State University of New York; Blanco</p>
01684-A	<p>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>Journal of Veterinary Internal Medicine</i>, 29(1), 193–199. https://doi.org/10.1111/jvim.12500</p>	<p>University of Tennessee; Frank</p>
02011	<p>Galac, S. (2016). Cortisol-secreting adrenocortical tumours in dogs and their relevance for human medicine. <i>Molecular and Cellular Endocrinology</i>, 421, 34–39. https://doi.org/10.1016/j.mce.2015.06.026</p>	<p>University of Utrecht; Galac</p>
02011	<p>Galac, S., & Wilson, D. B. (2015). Animal Models of Adrenocortical Tumorigenesis. <i>Endocrinology and Metabolism Clinics of North America</i>, 44(2), 297–310. https://doi.org/10.1016/j.ecl.2015.02.003</p>	<p>University of Utrecht; Galac</p>
01986	<p>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>Journal of Veterinary Internal Medicine</i>, 29(6), 1464–1472. https://doi.org/10.1111/jvim.13649</p>	<p>North Carolina State University; Gookin</p>
01854-A	<p>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</i>, 10(1), 24–35. https://doi.org/10.1016/j.jveb.2014.10.005</p>	<p>University of Florida; Wynne</p>
00372	<p>Hegstad-Davies, R. L., Torres, S. M. F., Sharkey, L. C., Gresch, S. C., Muñoz-Zanzi, C. A., & Davies, P. R. (2015). Breed-specific reference intervals for assessing thyroid function in seven dog breeds. <i>Journal of Veterinary Diagnostic Investigation</i>, 27(6), 716–727. https://doi.org/10.1177/1040638715606953</p>	<p>University of Minnesota; Davies</p>

02193-A	Hekman, J. P., Johnson, J. L., & Kukekova, A. V. (2015). Transcriptome Analysis in Domesticated Species: Challenges and Strategies. <i>Bioinformatics and Biology Insights</i> , 9S4, BBI.S29334. https://doi.org/10.4137/BBI.S29334	University of Illinois; Kukekova
2014 Theriogenology Residency Program	Hesser, A. C., & Davidson, A. P. (2015). Spermatocele in a South African Boerboel dog. <i>Topics in Companion Animal Medicine</i> , 30(1), 28–30. https://doi.org/10.1053/j.tcam.2015.03.001	University of California, Davis; Hesser
01683-A	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>Journal of Biomedical Optics</i> , 20(7), 076002. https://doi.org/10.1117/1.JBO.20.7.076002	University of Pennsylvania; Holt
01759	Im, K. S., Graef, A. J., Breen, M., Lindblad-Toh, K., Modiano, J. F., & Kim, J.-H. (2015). Interactions between CXCR4 and CXCL12 promote cell migration and invasion of canine hemangiosarcoma: CXCR4/CXCL12 in HSA migration and invasion. <i>Veterinary and Comparative Oncology</i> , 15(2), 315–327. https://doi.org/10.1111/vco.12165	University of Minnesota; Modiano
01868-A	Jia, H., & Kerr, L. L. (2015). Kinetics of drug release from drug carrier of polymer/TiO ₂ nanotubes composite—pH dependent study. <i>Journal of Applied Polymer Science</i> , 132(7). https://doi.org/10.1002/app.41570	Miami University; Kerr
01584	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>Journal of the American Veterinary Medical Association</i> , 246(11), 1215–1221. https://doi.org/10.2460/javma.246.11.1215	Western University of Health Sciences; Griffon
01759	Kim, J.-H., Graef, A., Dickerson, E., & Modiano, J. (2015). Pathobiology of Hemangiosarcoma in Dogs: Research Advances and Future Perspectives. <i>Veterinary Sciences</i> , 2(4), 388–405. https://doi.org/10.3390/vetsci2040388	University of Minnesota; Modiano
01425	Koskinen, L. L. E., Seppälä, 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(1). https://doi.org/10.1186/s12864-015-1651-9	University of Helsinki and the Folkhälsan Institute of Genetics; Lohi

00848-A	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>Veterinary and Comparative Oncology</i> , 13(1), 20–27. https://doi.org/10.1111/vco.12015	University of Tennessee; LeBlanc
01849	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 Genetics</i> , 11(6), e1005277. https://doi.org/10.1371/journal.pgen.1005277	University of Georgia Research Foundation, Inc; Zhao
01674-A	Major, S., Pettigrew, R. W., & Fyfe, J. C. (2015). Molecular Genetic Characterization of Thyroid Dysmorphogenesis in a French Bulldog. <i>Journal of Veterinary Internal Medicine</i> , 29(6), 1534–1540. https://doi.org/10.1111/jvim.13651	Michigan State University; Fyfe
01704-A	Marley, K., Bracha, S., & Seguin, B. (2015). Osteoprotegerin activates osteosarcoma cells that co-express RANK and RANKL. <i>Experimental Cell Research</i> , 338(1), 32–38. https://doi.org/10.1016/j.yexcr.2015.08.001	Oregon State University; Séguin
01726-A	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>Translational Oncology</i> , 8(4), 231–238. https://doi.org/10.1016/j.tranon.2015.03.006	Oregon State University; Helfand
02111-A	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 Microbiology Ecology</i> , 91(12), fiv139. https://doi.org/10.1093/femsec/fiv139	Texas A&M AgriLife Research; Suchodolski
01609	Minamoto, Y., Otoni, C. C., Steelman, S. M., Büyükleblebici, 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. https://doi.org/10.1080/19490976.2014.997612	Iowa State University; Jergens
02071	Pluhar, G. E., Pennell, C. A., & Olin, M. R. (2015). CD8+ T Cell-Independent Immune-Mediated Mechanisms of Anti-Tumor Activity. <i>Critical Reviews in Immunology</i> , 35(2), 153–172. https://doi.org/10.1615/CritRevImmunol.2015013607	University of Minnesota; Pluhar

01759	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>Journal of Veterinary Internal Medicine</i> , 29(4), 1088–1097. https://doi.org/10.1111/jvim.13570	University of Minnesota; Modiano
01843	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 Research</i> , 23(4), 681–708. https://doi.org/10.1007/s10577-015-9475-7	North Carolina State University; Breen
01985	Sluyter, R. (2015). P2X and P2Y receptor signaling in red blood cells. <i>Frontiers in Molecular Biosciences</i> , 2(60), 1-7. https://doi.org/10.3389/fmolb.2015.00060	University of Wollongong; Sluyter
00593A	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 Genetics</i> , 11(2), e1004922. https://doi.org/10.1371/journal.pgen.1004922	Broad Institute; Lindblad- Toh
01894-A	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. https://doi.org/10.1371/journal.pone.0144092	University of Tennessee; Trout-Fryxell
01362-A	Urkasemsin, G., & Olby, N. J. (2015). Clinical characteristics of Scottie Cramp in 31 cases. <i>Journal of Small Animal Practice</i> , 56(4), 276–280. https://doi.org/10.1111/jsap.12317	North Carolina State University; Olby
2013 Clinician- Scientist Fellowship Program	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>Journal of Veterinary Cardiology</i> , 17(3), 161–172. https://doi.org/10.1016/j.jvc.2015.04.001	The Ohio State University; Visser
2013 Clinician- Scientist Fellowship Program	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>Journal of Veterinary Cardiology</i> , 17(2), 83–96. https://doi.org/10.1016/j.jvc.2014.10.003	The Ohio State University; Visser

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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. *PLOS Genetics*, *11*(3), e1005059.
<https://doi.org/10.1371/journal.pgen.1005059>

University of California,
Davis; Bannasch

2014 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
00407	Agler, C., Nielsen, D. M., Urkasemsin, G., Singleton, A., Tonomura, N., Sigurdsson, S., ... Olby, N. J. (2014). Canine Hereditary Ataxia in Old English Sheepdogs and Gordon Setters Is Associated with a Defect in the Autophagy Gene Encoding RAB24. <i>PLoS Genetics</i> , 10(2), e1003991. https://doi.org/10.1371/journal.pgen.1003991	North Carolina State University; Olby
01594	Ahram, D. F., Cook, A. C., Kecova, H., Grozdanic, S. D., & Kuehn, M. H. (2014). Identification of genetic loci associated with primary angle-closure. <i>Molecular Vision</i> , 14.	University of Iowa; Kuehn
01660	Alvarez, C. E. (2014). Naturally Occurring Cancers in Dogs: Insights for Translational Genetics and Medicine. <i>ILAR Journal</i> , 55(1), 16–45. https://doi.org/10.1093/ilar/ilu010	The Research Institute at Nationwide Children's Hospital; Alvarez
01524-A	Axiak-Bechtel, S., Fowler, B., Yu, D. H., Amorim, J., Tsuruta, K., & DeClue, A. (2014). Chemotherapy and remission status do not alter pre-existing innate immune dysfunction in dogs with lymphoma. <i>Research in Veterinary Science</i> , 97(2), 230–237. https://doi.org/10.1016/j.rvsc.2014.07.009	University of Missouri, Columbia; Axiak
01265	Bartlett, R., Stokes, L., & Sluyter, R. (2014). The P2X7 Receptor Channel: Recent Developments and the Use of P2X7 Antagonists in Models of Disease. <i>Pharmacological Reviews</i> , 66(3), 638–675. https://doi.org/10.1124/pr.113.008003	University of Wollongong; Sluyter
01937-B	Bell, J. S. (2014). Inherited and Predisposing Factors in the Development of Gastric Dilatation Volvulus in Dogs. <i>Topics in Companion Animal Medicine</i> , 29(3), 60–63. https://doi.org/10.1053/j.tcam.2014.09.002	Tufts University; Rozanski
01131	Borgatti, A. (2014). Binding of VEGF-A to canine cancer cells with preferential expression of VEGFR1. <i>Veterinary World</i> , 7(1), 1–6. https://doi.org/10.14202/vetworld.2014.1-6	University of Minnesota; Modiano

01533-A	Brown, N. P., Bertocci, G. E., & Marcellin-Little, D. J. (2014). Evaluation of varying morphological parameters on the biomechanics of a cranial cruciate ligament-deficient or intact canine stifle joint with a computer simulation model. <i>American Journal of Veterinary Research</i> , 75(1), 26–33. https://doi.org/10.2460/ajvr.75.1.26	University of Louisville; Bertocci
01782	Brown, N. P., Bertocci, G. E., & Marcellin-Little, D. J. (2014). Canine stifle joint biomechanics associated with tibial plateau leveling osteotomy predicted by use of a computer model. <i>American Journal of Veterinary Research</i> , 75(7), 626–632. https://doi.org/10.2460/ajvr.75.7.626	University of Louisville; Bertocci
01364-A	Bruchim, Y., Aroch, I., Eliav, A., Abbas, A., Frank, I., Kelmer, E., ... Horowitz, M. (2014). Two years of combined high-intensity physical training and heat acclimatization affect lymphocyte and serum HSP70 in purebred military working dogs. <i>Journal of Applied Physiology</i> , 117(2), 112–118. https://doi.org/10.1152/jappphysiol.00090.2014	Hebrew University of Jerusalem; Bruchim
01545-A	Childress, M. O., Dhawan, D., Leamon, C. P., Miller, M. A., Ramos-Vara, J. A., Naughton, J. F., ... Knapp, D. W. (2014). Assessment of folate receptor expression and folate uptake in multicentric lymphomas in dogs. <i>American Journal of Veterinary Research</i> , 75(2), 187–194. https://doi.org/10.2460/ajvr.75.2.187	Purdue University; Childress
02083-A	Crawford, E. C., Singh, A., Metcalf, D., Gibson, T. W., & Weese, S. J. (2014). Identification of appropriate reference genes for qPCR studies in <i>Staphylococcus pseudintermedius</i> and preliminary assessment of icaA gene expression in biofilm-embedded bacteria. <i>BMC Research Notes</i> , 7(1), 451. https://doi.org/10.1186/1756-0500-7-451	University of Guelph; Singh
01529-A	Cremer, S. E., Singletary, G. E., Olsen, L. H., Wallace, K., Häggström, J., Ljungvall, I., ... Oyama, M. A. (2014). Serotonin Concentrations in Platelets, Plasma, Mitral Valve Leaflet, and Left Ventricular Myocardial Tissue in Dogs with Myxomatous Mitral Valve Disease. <i>Journal of Veterinary Internal Medicine</i> , 28(5), 1534–1540. https://doi.org/10.1111/jvim.12420	University of Pennsylvania; Oyama
0001808A	Davis, B. W., & Ostrander, E. A. (2014). Domestic Dogs and Cancer Research: A Breed-Based Genomics Approach. <i>ILAR Journal</i> , 55(1), 59–68. https://doi.org/10.1093/ilar/ilu017	Fred Hutchinson Cancer Research Center; Ostrander
01701-A	DeClue, A. E., Yu, D.-H., Prochnow, S., Axiak-Bechtel, S., Amorim, J., Tsuruta, K., ... Dodam, J. (2014). Effects of opioids on phagocytic function, oxidative burst capacity, cytokine production and apoptosis in canine leukocytes. <i>The Veterinary Journal</i> , 200(2), 270–275. https://doi.org/10.1016/j.tvjl.2014.02.019	University of Missouri, Columbia; DeClue

00920	Ekenstedt, K. J., Becker, D., Minor, K. M., Shelton, G. D., Patterson, E. E., Bley, T., ... Mickelson, J. R. (2014). An ARHGEF10 Deletion Is Highly Associated with a Juvenile-Onset Inherited Polyneuropathy in Leonberger and Saint Bernard Dogs. <i>PLoS Genetics</i> , 10(10), e1004635. https://doi.org/10.1371/journal.pgen.1004635	University of Minnesota; Mickelson
01505-A	Foster, J. D., Sample, S., Kohler, R., Watson, K., Muir, P., & Trepanier, L. A. (2014). Serum Biomarkers of Clinical and Cytologic Response in Dogs with Idiopathic Immune-Mediated Polyarthropathy. <i>Journal of Veterinary Internal Medicine</i> , 28(3), 905–911. https://doi.org/10.1111/jvim.12351	University of Wisconsin, Madison; Trepanier
01004	Freeman, A. C., Platt, S. R., Kent, M., Huguet, E., Rusbridge, C., & Holmes, S. (2014). Chiari-Like Malformation and Syringomyelia in American Brussels Griffon Dogs. <i>Journal of Veterinary Internal Medicine</i> , 28(5), 1551–1559. https://doi.org/10.1111/jvim.12421	University of Georgia; Kent
02011	Galac, S., Kool, M. M. J., van den Berg, M. F., Mol, J. A., & Kooistra, H. S. (2014). Expression of steroidogenic factor 1 in canine cortisol-secreting adrenocortical tumors and normal adrenals. <i>Domestic Animal Endocrinology</i> , 49, 1–5. https://doi.org/10.1016/j.domaniend.2014.04.002	University of Utrecht; Galac
01935-B	Gazzola, K. M., & Nelson, L. L. (2014). The Relationship Between Gastrointestinal Motility and Gastric Dilatation-Volvulus in Dogs. <i>Topics in Companion Animal Medicine</i> , 29(3), 64–66. https://doi.org/10.1053/j.tcam.2014.09.006	Michigan State University; Stanley
01131	Gorden, B. H., Kim, J.-H., Sarver, A. L., Frantz, A. M., Breen, M., Lindblad-Toh, K., ... Dickerson, E. B. (2014). Identification of Three Molecular and Functional Subtypes in Canine Hemangiosarcoma through Gene Expression Profiling and Progenitor Cell Characterization. <i>The American Journal of Pathology</i> , 184(4), 985–995. https://doi.org/10.1016/j.ajpath.2013.12.025	University of Minnesota; Modiano
01488-A	Hart, B. L., Hart, L. A., Thigpen, A. P., & Willits, N. H. (2014). Long-Term Health Effects of Neutering Dogs: Comparison of Labrador Retrievers with Golden Retrievers. <i>PLoS ONE</i> , 9(7), e102241. https://doi.org/10.1371/journal.pone.0102241	University of California, Davis; Hart
01480	Hennebelle, J. H., Sykes, J. E., & Foley, J. (2014). Risk Factors Associated with Leptospirosis in Dogs from Northern California: 2001–2010. <i>Vector-Borne and Zoonotic Diseases</i> , 14(10), 733–739. https://doi.org/10.1089/vbz.2014.1624	University of California, Davis; Foley

01495-A	Hoareau, G. L., Jandrey, K. E., Burges, J., Bremer, D., & Tablin, F. (2014). Comparison of the platelet-rich plasma and buffy coat protocols for preparation of canine platelet concentrates. <i>Veterinary Clinical Pathology</i> , 43(4), 513–518. https://doi.org/10.1111/vcp.12195	University of California, Davis; Jandrey
00841-A	Hosoya, K., Couto, C. G., London, C. A., Kisseberth, W. C., Phelps, M. A., & Dalton, J. T. (2014). Comparison of High-Dose Intermittent and Low-Dose Continuous Oral Artemisinin in Dogs With Naturally Occurring Tumors. <i>Journal of the American Animal Hospital Association</i> , 50(6), 390–395. https://doi.org/10.5326/JAHA-MS-6145	The Ohio State University; Couto
00945	Jergens, A., Young, J., Moore, D., Wang, C., Hostetter, J., Augustine, L., ... Mosher, C. (2014). Bcl-2/Caspase 3 mucosal imbalance favors T cell resistance to apoptosis in dogs with inflammatory bowel disease. <i>Veterinary Immunology and Immunopathology</i> , 158(3–4), 167–174. https://doi.org/10.1016/j.vetimm.2014.01.004	Iowa State University; Jergens
01651	Johnston, S. A., Thamm, D. H., & Legutki, J. B. (2014). The immunosignature of canine lymphoma: characterization and diagnostic application. <i>BMC Cancer</i> , 14(1). https://doi.org/10.1186/1471-2407-14-657	Arizona State University; Johnston
01159-A	Kauffman, L. K., Bjork, J. K., Gallup, J. M., Boggiatto, P. M., Bellaire, B. H., & Petersen, C. A. (2014). Early detection of <i>Brucella canis</i> via quantitative polymerase chain reaction analysis. <i>Zoonoses and Public Health</i> , 61(1), 48–54. https://doi.org/10.1111/zph.12041	Iowa State University; Petersen
00422	Kim, J.-H., Frantz, A. M., Anderson, K. L., Graef, A. J., Scott, M. C., Robinson, S., ... Modiano, J. F. (2014). Interleukin-8 promotes canine hemangiosarcoma growth by regulating the tumor microenvironment. <i>Experimental Cell Research</i> , 323(1), 155–164. https://doi.org/10.1016/j.yexcr.2014.02.020	University of Colorado Cancer Center; Bellgrau
01004	Knowler, S. P., McFadyen, A. K., Freeman, C., Kent, M., Platt, S. R., Kibar, Z., & Rusbridge, C. (2014). Quantitative Analysis of Chiari-Like Malformation and Syringomyelia in the Griffon Bruxellois Dog. <i>PLoS ONE</i> , 9(2), e88120. https://doi.org/10.1371/journal.pone.0088120	University of Georgia; Kent
01131	Koopmeiners, J. S., & Modiano, J. (2014). A Bayesian adaptive Phase I-II clinical trial for evaluating efficacy and toxicity with delayed outcomes. <i>Clinical Trials (London, England)</i> , 11(1), 38–48. https://doi.org/10.1177/1740774513500589	University of Minnesota; Modiano

00580	Lavrijsen, I. C. M., Leegwater, P. A. J., Wangdee, C., van Steenbeek, F. G., Schwencke, M., Breur, G. J., ... Hazewinkel, H. A. W. (2014). Genome-wide survey indicates involvement of loci on canine chromosomes 7 and 31 in patellar luxation in Flat-Coated Retrievers. <i>BMC Genetics</i> , 15(1), 64. https://doi.org/10.1186/1471-2156-15-64	University of Utrecht; Hazewinkel
00954	Lemay, P., Knowler, S. P., Bouasker, S., Nédélec, Y., Platt, S., Freeman, C., ... Kibar, Z. (2014). Quantitative Trait Loci (QTL) Study Identifies Novel Genomic Regions Associated to Chiari-Like Malformation in Griffon Bruxellois Dogs. <i>PLoS ONE</i> , 9(4), e89816. https://doi.org/10.1371/journal.pone.0089816	University of Montreal; Kibar
01849	Li, Y., Xu, J., Xiong, H., Ma, Z., Wang, Z., Kipreos, E. T., ... Zhao, S. (2014). Cancer driver candidate genes AVL9, DENND5A and NUPL1 contribute to MDCK cystogenesis. <i>Oncoscience</i> , 1, 854. https://doi.org/10.18632/oncoscience.107	University of Georgia Research Foundation, Inc; Zhao
01849	Liu, D., Xiong, H., Ellis, A. E., Northrup, N. C., Rodriguez, C. O., O'Regan, R. M., ... Zhao, S. (2014). Molecular Homology and Difference between Spontaneous Canine Mammary Cancer and Human Breast Cancer. <i>Cancer Research</i> , 74(18), 5045–5056. https://doi.org/10.1158/0008-5472.CAN-14-0392	University of Georgia Research Foundation, Inc; Zhao
00871-A	Massey, J., Short, A. D., Catchpole, B., House, A., Day, M. J., Lohi, H., ... Kennedy, L. J. (2014). Genetics of canine anal furunculosis in the German Shepherd Dog. <i>Immunogenetics</i> , 66(5), 311–324. https://doi.org/10.1007/s00251-014-0766-5	University of Manchester; Kennedy
01894-A	Mays, S. E., Hendricks, B. M., Paulsen, D. J., Houston, A. E., & Fryxell, R. T. T. (2014). Prevalence of five tick-borne bacterial genera in adult <i>Ixodes scapularis</i> removed from white-tailed deer in western Tennessee. <i>Parasites and Vectors</i> , 7, 473.	University of Tennessee; Trout-Fryxell
00582-A	Mellersh, C. S. (2014). The genetics of eye disorders in the dog. <i>Canine Genetics and Epidemiology</i> , 1(1), 3. https://doi.org/10.1186/2052-6687-1-3	Animal Health Trust; Mellersh
01753	Meurs, K. M., Stern, J. A., Reina-Doreste, Y., Spier, A. W., Koplitz, S. L., & Baumwart, R. D. (2014). Natural History of Arrhythmogenic Right Ventricular Cardiomyopathy in the Boxer Dog: A Prospective Study. <i>Journal of Veterinary Internal Medicine</i> , 28(4), 1214–1220. https://doi.org/10.1111/jvim.12385	North Carolina State University; Meurs

01212-A	Morgan, B. R., Coates, J. R., Johnson, G. C., Shelton, G. D., & Katz, M. L. (2014). Characterization of thoracic motor and sensory neurons and spinal nerve roots in canine degenerative myelopathy, a potential disease model of amyotrophic lateral sclerosis. <i>Journal of Neuroscience Research</i> , 92(4), 531–541. https://doi.org/10.1002/jnr.23332	University of Missouri, Columbia; Coates
01569	Morges, M. A., Burton, J. H., Saba, C. F., Vail, D. M., Burgess, K. E., & Thamm, D. H. (2014). Phase II Evaluation of VDC-1101 in Canine Cutaneous T-Cell Lymphoma. <i>Journal of Veterinary Internal Medicine</i> , 28(5), 1569–1574. https://doi.org/10.1111/jvim.12429	Colorado State University; Thamm
01418	O'Connor, C. M., & Wilson-Robles, H. (2014). Developing T Cell Cancer Immunotherapy in the Dog with Lymphoma. <i>ILAR Journal</i> , 55(1), 169–181. https://doi.org/10.1093/ilar/ilu020	Texas A&M Research Foundation; Wilson-Robles
02071	Olin, M. R., Pluhar, G. E., Andersen, B. M., Shaver, R., Waldron, N. N., & Moertel, C. L. (2014). Victory and Defeat in the Induction of a Therapeutic Response through Vaccine Therapy for Human and Canine Brain Tumors: A Review of the State of the Art. <i>Critical Reviews in Immunology</i> , 34(5), 399–432. https://doi.org/10.1615/CritRevImmunol.2014011577	University of Minnesota; Pluhar
00323	Pemberton, T. J., Choi, S., Mayer, J. A., Li, F.-Y., Gokey, N., Svaren, J., ... Duncan, I. D. (2014). A mutation in the canine gene encoding folliculin-interacting protein 2 (FNIP2) associated with a unique disruption in spinal cord myelination. <i>Glia</i> , 62(1), 39–51. https://doi.org/10.1002/glia.22582	University of Wisconsin, Madison; Duncan
01854-A	Protopopova, A., Hall, N. J., & Wynne, C. D. L. (2014). Association between increased behavioral persistence and stereotypy in the pet dog. <i>Behavioural Processes</i> , 106, 77–81. https://doi.org/10.1016/j.beproc.2014.04.009	University of Florida; Wynne
01311	Rinz, C. J., Levine, J., Minor, K. M., Humphries, H. D., Lara, R., Starr-Moss, A. N., ... Clark, L. A. (2014). A COLQ Missense Mutation in Labrador Retrievers Having Congenital Myasthenic Syndrome. <i>PLoS ONE</i> , 9(8), e106425. https://doi.org/10.1371/journal.pone.0106425	Clemson University; Starr-Moss
01609	Rossi, G., Pengo, G., Caldin, M., Palumbo Piccionello, A., Steiner, J. M., Cohen, N. D., ... Suchodolski, J. S. (2014). Comparison of Microbiological, Histological, and Immunomodulatory Parameters in Response to Treatment with Either Combination Therapy with Prednisone and Metronidazole or Probiotic VSL#3 Strains in Dogs with Idiopathic Inflammatory Bowel Disease. <i>PLoS ONE</i> , 9(4), e94699. https://doi.org/10.1371/journal.pone.0094699	Iowa State University; Jergens

02091-MOU	Schoenebeck, J. J., & Ostrander, E. A. (2014). Insights into Morphology and Disease from the Dog Genome Project. <i>Annual Review of Cell and Developmental Biology</i> , 30(1), 535–560. https://doi.org/10.1146/annurev-cellbio-100913-012927	National Human Genome Research Institute; Ostrander
01455	Schrauwen, I., Barber, R. M., Schatzberg, S. J., Siniard, A. L., Corneveaux, J. J., Porter, B. F., ... Huentelman, M. J. (2014). Identification of Novel Genetic Risk Loci in Maltese Dogs with Necrotizing Meningoencephalitis and Evidence of a Shared Genetic Risk across Toy Dog Breeds. <i>PLoS ONE</i> , 9(11), e112755. https://doi.org/10.1371/journal.pone.0112755	University of Georgia; Platt
01937-B	Sharp, C. R., & Rozanski, E. A. (2014). Cardiovascular and Systemic Effects of Gastric Dilatation and Volvulus in Dogs. <i>Topics in Companion Animal Medicine</i> , 29(3), 67–70. https://doi.org/10.1053/j.tcam.2014.09.007	Tufts University; Rozanski
01064-A	Shoeneman, J. K., Ehrhart, E. J., Charles, J. B., & Thamm, D. H. (2014). Survivin inhibition via EZN-3042 in canine lymphoma and osteosarcoma. <i>Veterinary and Comparative Oncology</i> , 14(2), e45–e57. https://doi.org/10.1111/vco.12104	Colorado State University; Thamm
01265	Spildrejorde, M., Bartlett, R., Stokes, L., Jalilian, I., Peranec, M., Sluyter, V., ... Sluyter, R. (2014). R270C polymorphism leads to loss of function of the canine P2X7 receptor. <i>Physiological Genomics</i> , 46(14), 512–522. https://doi.org/10.1152/physiolgenomics.00195.2013	University of Wollongong; Sluyter
01698-A	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. https://doi.org/10.18632/oncotarget.3206	Bauer Research Foundation; Sysel
01131	Thomas, R., Borst, L., Rotroff, D., Motsinger-Reif, A., Lindblad-Toh, K., Modiano, J. F., & Breen, M. (2014). Genomic profiling reveals extensive heterogeneity in somatic DNA copy number aberrations of canine hemangiosarcoma. <i>Chromosome Research</i> , 22(3), 305–319. https://doi.org/10.1007/s10577-014-9406-z	University of Minnesota; Modiano
01390-A	West, L. D., & Hart, J. R. (2014). Treatment of idiopathic immune-mediated hemolytic anemia with mycophenolate mofetil in five dogs: Mycophenolate for treatment of IMHA in dogs. <i>Journal of Veterinary Emergency and Critical Care</i> , 24(2), 226–231. https://doi.org/10.1111/vec.12121	Veterinary Specialty Hospital of San Diego; West

- 01424** Wolf, Z. T., Leslie, E. J., Arzi, B., Jayashankar, K., Karmi, N., Jia, Z., ... Bannasch, D. L. (2014). A LINE-1 Insertion in DLX6 Is Responsible for Cleft Palate and Mandibular Abnormalities in a Canine Model of Pierre Robin Sequence. *PLoS Genetics*, *10*(4), e1004257. <https://doi.org/10.1371/journal.pgen.1004257>
University of California, Davis; Bannasch
- 00821** Zeng, R., Coates, J. R., Johnson, G. C., Hansen, L., Awano, T., Kolicheski, A., ... Johnson, G. S. (2014). Breed Distribution of SOD1 Alleles Previously Associated with Canine Degenerative Myelopathy. *Journal of Veterinary Internal Medicine*, *28*(2), 515–521. <https://doi.org/10.1111/jvim.12317>
University of Missouri, Columbia; Coates
- 01248** Zhao, X., Onteru, S., Saatchi, M., Garrick, D., & Rothschild, M. (2014). A genome-wide association study for canine cryptorchidism in Siberian Huskies. *Journal of Animal Breeding and Genetics*, *131*(3), 202–209. <https://doi.org/10.1111/jbg.12064>
Iowa State University; Rothschild

2013 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
01911-A	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>Molecular Cancer Therapeutics</i> , 12(9), 1701–1714. https://doi.org/10.1158/1535-7163.MCT-12-0893	Van Andel Research Institute; Duesbery
01105	Anderson, T. C., Crawford, P. C., Dubovi, E. J., Gibbs, E. P. J., & 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>Journal of the American Veterinary Medical Association</i> , 242(2), 209–216. https://doi.org/10.2460/javma.242.2.209	University of Florida; Crawford
01012-A	Barrientos, L. S., Zapata, G., Crespi, J. A., Posik, D. M., Díaz, 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>Veterinary Immunology and Immunopathology</i> , 156(3–4), 205–210. https://doi.org/10.1016/j.vetimm.2013.10.009	National University of La Plata; Giovambattista
01535-A	Brons, A.-K., Henthorn, P. S., Raj, K., Fitzgerald, C. A., Liu, J., Sewell, A. C., & Giger, U. (2013). <i>SLC3A1</i> and <i>SLC7A9</i> Mutations in Autosomal Recessive or Dominant Canine Cystinuria: A New Classification System. <i>Journal of Veterinary Internal Medicine</i> , 27(6), 1400–1408. https://doi.org/10.1111/jvim.12176	University of Pennsylvania; Henthorn
01533-A	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), 1350043. https://doi.org/10.1142/S0219519413500437	University of Louisville; Bertocci
00821	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>Experimental Neurology</i> , 248, 1–9. https://doi.org/10.1016/j.expneurol.2013.05.009	University of Missouri, Columbia; Coates
01843	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>Veterinary Clinical Pathology</i> , 42(3), 314–322. https://doi.org/10.1111/vcp.12055	North Carolina State University; Breen

0002254A	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>Veterinary Pathology</i> , 50(4), 693–703. https://doi.org/10.1177/0300985812465325	AMC Cancer Research Center; Modiano
01190-A	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>Journal of the American Veterinary Medical Association</i> , 242(6), 786–791. https://doi.org/10.2460/javma.242.6.786	University of Minnesota; Mickelson
01674-A	Fyfe, J. C., Lynch, M., Olsen, J., & Louër, E. (2013). A thyroid peroxidase (TPO) mutation in dogs reveals a canid-specific gene structure. <i>Mammalian Genome</i> , 24(3–4), 127–133. https://doi.org/10.1007/s00335-012-9442-y	Michigan State University; Fyfe
01422	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>Journal of Veterinary Internal Medicine</i> , 27(5), 1278–1282. https://doi.org/10.1111/jvim.12169	University of Texas; Ellerhorst
01480	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>Journal of the American Veterinary Medical Association</i> , 242(7), 941–947. https://doi.org/10.2460/javma.242.7.941	University of California, Davis; Foley
01180-A	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>Journal of Veterinary Internal Medicine</i> , 27(6), 1318–1333. https://doi.org/10.1111/jvim.12183	Texas A&M University; Levine
00276	Jesty, S. A., Jung, S. W., Cordeiro, J. M., Gunn, T. M., Di Diego, J. M., Hemsley, S., ... Moïse, N. S. (2013). Cardiomyocyte calcium cycling in a naturally occurring German Shepherd Dog model of inherited ventricular arrhythmia and sudden cardiac death. <i>Journal of Veterinary Cardiology</i> , 15(1), 5–14. https://doi.org/10.1016/j.jvc.2012.07.005	Cornell University; Moïse
01868-A	Jia, H., & Kerr, L. L. (2013). Sustained Ibuprofen Release Using Composite Poly(Lactic-co-Glycolic Acid)/Titanium Dioxide Nanotubes from Ti Implant Surface. <i>Journal of Pharmaceutical Sciences</i> , 102(7), 2341–2348. https://doi.org/10.1002/jps.23580	Miami University; Kerr

0002254A	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 Biology</i> , 14(12), R132. https://doi.org/10.1186/gb-2013-14-12-r132	AMC Cancer Research Center; Modiano
01052-A	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 Genetics</i> , 9(3), e1003409. https://doi.org/10.1371/journal.pgen.1003409	National Human Genome Research Institute; Ostrander
01272	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 and Development</i> , 22(6), 951–963. https://doi.org/10.1089/scd.2012.0393	North Carolina State University; Piedrahita
00580	Lavrijsen, I. C. M., Heuven, H. C. M., Breur, G. J., Leegwater, P. A. J., Meutstege, F. J., & Hazewinkel, H. A. W. (2013). Phenotypic and genetic trends of patellar luxation in Dutch Flat-Coated Retrievers. <i>Animal Genetics</i> , 44(6), 736–741. https://doi.org/10.1111/age.12077	University of Utrecht; Hazewinkel
00779	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 Research</i> , 23(9), 1486–1495. https://doi.org/10.1101/gr.154286.112	Texas A&M University; Murphy
01485	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>Mammalian Genome</i> , 24(3–4), 119–126. https://doi.org/10.1007/s00335-012-9445-8	University of Pennsylvania; Littman
00369-A	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. https://doi.org/10.1016/j.theriogenology.2013.05.013	University of Dayton; Wright
00978-A	Milne, M. E., Anderson, G. A., Chow, K. E., O'Brien, T. J., Moffat, B. A., & Long, S. N. (2013). Description of technique and lower reference limit for magnetic resonance imaging of hippocampal volumetry in dogs. <i>American Journal of Veterinary Research</i> , 74(2), 224–231. https://doi.org/10.2460/ajvr.74.2.224	University of Pennsylvania; Long

01421	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 Announcements</i> , 1(2). https://doi.org/10.1128/genomeA.00207-12	University of Tennessee; Kania
01212-A	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>Journal of Neuroscience Research</i> , 91(12), 1639–1650. https://doi.org/10.1002/jnr.23287	University of Missouri, Columbia; Coates
01855-A	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. https://doi.org/10.4236/ojvm.2013.36046	The University of Melbourne; Mansfield
0001268	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 Research</i> , 23(12), 1985–1995. https://doi.org/10.1101/gr.157339.113	Fred Hutchinson Cancer Research Center; Ostrander
0002254A	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 Journal of Rare Diseases</i> , 8(1), 7. https://doi.org/10.1186/1750-1172-8-7	AMC Cancer Research Center; Modiano
01131	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: Bispecific ligand-targeted toxins. <i>International Journal of Cancer</i> , 133(8), 1936–1944. https://doi.org/10.1002/ijc.28187	University of Minnesota; Modiano
00613	Seiser, E. L., Thomas, R., Richards, K. L., Kathryn Kelley, M., Moore, P., Suter, S. E., & Breen, M. (2013). Reading between the lines: molecular characterization of five widely used canine lymphoid tumour cell lines. <i>Veterinary and Comparative Oncology</i> , 11(1), 30–50. https://doi.org/10.1111/j.1476-5829.2011.00299.x	North Carolina State University; Breen
01490-A	Shiomitsu, K., Xia, X., Waite, K., Sehgal, I., & Li, S. (2013). Evaluation of the Aurora Kinase Inhibitor, ZM447439, in Canine Malignant Lymphoid Cells. <i>Open Journal of Veterinary Medicine</i> , 03(01), 29–38. https://doi.org/10.4236/ojvm.2013.31006	Louisiana State University; Shiomitsu

01421	<p>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>Journal of Clinical Microbiology</i>, 51(1), 306–310. https://doi.org/10.1128/JCM.02421-12</p>	University of Tennessee; Kania
01488-A	<p>Torres de la Riva, G., Hart, B. L., Farver, T. B., Oberbauer, A. M., Messam, L. L. McV., Willits, N., & Hart, L. A. (2013). Neutering Dogs: Effects on Joint Disorders and Cancers in Golden Retrievers. <i>PLoS ONE</i>, 8(2), e55937. https://doi.org/10.1371/journal.pone.0055937</p>	University of California, Davis; Hart
00934	<p>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. https://doi.org/10.1007/s00251-013-0704-y</p>	Texas A&M University; Clark
0001285	<p>Vaden, S. L., Littman, M. P., & Cianciolo, R. E. (2013). Familial renal disease in Soft-Coated Wheaten Terriers. <i>Journal of Veterinary Emergency and Critical Care</i>, 23(2), 174–183. https://doi.org/10.1111/vec.12027</p>	North Carolina State University; Vaden
00768	<p>Valli, V. E., Kass, P. H., Myint, M. S., & Scott, F. (2013). Canine Lymphomas: Association of Classification Type, Disease Stage, Tumor Subtype, Mitotic Rate, and Treatment With Survival. <i>Veterinary Pathology</i>, 50(5), 738–748. https://doi.org/10.1177/0300985813478210</p>	University of Illinois; Valli
01601	<p>van Steenbeek, F. G., Spee, B., Penning, L. C., Kummeling, A., van Gils, I. H. M., Grinwis, G. C. M., ... Leegwater, P. A. J. (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. https://doi.org/10.1371/journal.pone.0057973</p>	University of Utrecht; Leegwater
01601	<p>van Steenbeek, F. G., Van den Bossche, L., Grinwis, G. C. M., Kummeling, A., van Gils, I. H. M., Koerkamp, M. J. A. Groot., ... Spee, B. (2013). Aberrant Gene Expression in Dogs with Portosystemic Shunts. <i>PLoS ONE</i>, 8(2), e57662. https://doi.org/10.1371/journal.pone.0057662</p>	University of Utrecht; Leegwater
01531-A	<p>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>Medical Microbiology and Immunology</i>, 202(2), 143–151. https://doi.org/10.1007/s00430-012-0279-5</p>	North Carolina State University; Breitschwerdt

01771	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>Tissue Antigens</i> , 81(4), 204–211. https://doi.org/10.1111/tan.12094	Fred Hutchinson Cancer Research Center; Torok-Storb
00970	Volk, S. W., & Theoret, C. (2013). Translating stem cell therapies: The role of companion animals in regenerative medicine. <i>Wound Repair and Regeneration</i> , 21(3), 382–394. https://doi.org/10.1111/wrr.12044	University of Pennsylvania; Volk
00903-A	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>Journal of Negative Results in BioMedicine</i> , 12(1). https://doi.org/10.1186/1477-5751-12-6	Michigan State University; Petersen-Jones
01856-A	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: Canine Intra-Articular Multipotent Stromal Cells. <i>Veterinary Surgery</i> , 42(2), 137–146. https://doi.org/10.1111/j.1532-950X.2013.01091.x	Louisiana State University; Lopez

2012 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
01410B	Andre, C., & Passais, J. (2012). Le chien dans la pathologie et la génétique comparée: Exemples de maladies et de gènes partagés entre l'homme et le chien. <i>Bulletin de l'Académie vétérinaire de France</i> , (1), 215. https://doi.org/10.4267/2042/48210	CNRS - University of Rennes; Andre
00947A	Angstadt, A. Y., Thayanithy, V., Subramanian, S., Modiano, J. F., & Breen, M. (2012). A genome-wide approach to comparative oncology: high-resolution oligonucleotide aCGH of canine and human osteosarcoma pinpoints shared microaberrations. <i>Cancer Genetics</i> , 205(11), 572–587. https://doi.org/10.1016/j.cancergen.2012.09.005	North Carolina State University; Breen
01455	Barber, R. M., Porter, B. F., Li, Q., May, M., Claiborne, M. K., Allison, A. B., ... Schatzberg, S. J. (2012). Broadly Reactive Polymerase Chain Reaction for Pathogen Detection in Canine Granulomatous Meningoencephalomyelitis and Necrotizing Meningoencephalitis. <i>Journal of Veterinary Internal Medicine</i> , 26(4), 962–968. https://doi.org/10.1111/j.1939-1676.2012.00954.x	University of Georgia; Platt
0001280	Boothe, D. M., Dewey, C., & Carpenter, D. M. (2012). Comparison of phenobarbital with bromide as a first-choice antiepileptic drug for treatment of epilepsy in dogs. <i>Journal of the American Veterinary Medical Association</i> , 240(9), 1073–1083. https://doi.org/10.2460/javma.240.9.1073	Texas A&M University; Boothe
01226-A	Boudreaux, B. B., Smith, A. N., Lee, H. P., Boothe, D. M., Higginbotham, M. L., Whitley, E. M., ... Behrend, E. N. (2012). In vitro Evaluation of ABCB1 After Exposure to Prednisolone and Enrofloxacin in Two Canine Lymphoid Cell Lines: A Pilot Study. <i>International Journal of Applied Research in Veterinary Medicine</i> 10(1), 11. https://www.jarvm.com/articles/Vol10Iss1/Boudreaux.pdf	Auburn University; Smith
01502-A	Gentschev, I., Adelfinger, M., Josupeit, R., Rudolph, S., Ehrig, K., Donat, U., ... Szalay, A. A. (2012). Preclinical Evaluation of Oncolytic Vaccinia Virus for Therapy of Canine Soft Tissue Sarcoma. <i>PLoS ONE</i> , 7(5), e37239. https://doi.org/10.1371/journal.pone.0037239	University of Illinois; MacNeill
01152	Hafeman, S. D., Varland, D., & Dow, S. W. (2012). Bisphosphonates significantly increase the activity of doxorubicin or vincristine against canine malignant histiocytosis cells. <i>Veterinary and Comparative Oncology</i> , 10(1), 44–56. https://doi.org/10.1111/j.1476-5829.2011.00274.x	Colorado State University; Dow

01336B	<p>Hahn, N. M., Bonney, P. L., Dhawan, D., Jones, D. R., Balch, C., Guo, Z., ... Knapp, D. W. (2012). Subcutaneous 5-Azacididine Treatment of Naturally Occurring Canine Urothelial Carcinoma: A Novel Epigenetic Approach to Human Urothelial Carcinoma Drug Development. <i>Journal of Urology</i>, 187(1), 302–309. https://doi.org/10.1016/j.juro.2011.09.010</p>	National Human Genome Research Institute; Ostrander
01005-A	<p>Hardy, B. T., Patterson, E. E., Cloyd, J. M., Hardy, R. M., & Leppik, I. E. (2012). Double-Masked, Placebo-Controlled Study of Intravenous Levetiracetam for the Treatment of Status Epilepticus and Acute Repetitive Seizures in Dogs. <i>Journal of Veterinary Internal Medicine</i>, 26(2), 334–340. https://doi.org/10.1111/j.1939-1676.2011.00868.x</p>	University of Minnesota; Patterson
00961	<p>Hunt, M., Otto, C. M., Serpell, J. A., & Alvarez, J. (2012). Interactions between Handler Well-Being and Canine Health and Behavior in Search and Rescue Teams. <i>Anthrozoös</i>, 25(3), 323–335. https://doi.org/10.2752/175303712X13403555186253</p>	University of Pennsylvania; Otto
00615A	<p>Ito, D., Frantz, A. M., Williams, C., Thomas, R., Burnett, R. C., Avery, A. C., ... Modiano, J. F. (2012). CD40 ligand is necessary and sufficient to support primary diffuse large B-cell lymphoma cells in culture: a tool for <i>in vitro</i> preclinical studies with primary B-cell malignancies. <i>Leukemia & Lymphoma</i>, 53(7), 1390–1398. https://doi.org/10.3109/10428194.2011.654337</p>	University of Colorado; Modiano
01265	<p>Jalilian, I., Peranec, M., Curtis, B. L., Seavers, A., Spildrejorde, M., Sluyter, V., & Sluyter, R. (2012). Activation of the damage-associated molecular pattern receptor P2X7 induces interleukin-1β release from canine monocytes. <i>Veterinary Immunology and Immunopathology</i>, 149(1–2), 86–91. https://doi.org/10.1016/j.vetimm.2012.05.004</p>	University of Wollongong; Sluyter
01265	<p>Jalilian, I., Spildrejorde, M., Seavers, A., Curtis, B. L., McArthur, J. D., & Sluyter, R. (2012). Functional expression of the damage-associated molecular pattern receptor P2X7 on canine kidney epithelial cells. <i>Veterinary Immunology and Immunopathology</i>, 150(3–4), 228–233. https://doi.org/10.1016/j.vetimm.2012.09.040</p>	University of Wollongong; Sluyter
01142	<p>Kleman, M. E., Estrada, A. H., Maisenbacher, H. W., Prošek, R., Pogue, B., Shih, A., & Paolillo, J. A. (2012). How to perform combined cutting balloon and high pressure balloon valvuloplasty for dogs with subaortic stenosis. <i>Journal of Veterinary Cardiology</i>, 14(2), 351–361. https://doi.org/10.1016/j.jvc.2011.11.008</p>	University of Florida; Estrada
01312	<p>Lindholm-Perry, A. K., Kuehn, L. A., Snelling, W. M., Smith, T. P. L., Ferrell, C. L., Jenkins, T. G., & Freetly, H. C. (2012). Evaluation of polymorphisms within the genes GHSR and SLC2A2 that are within a region on bovine chromosome 1 (BTA1) previously associated with feed intake and weight gain. <i>Animal Genetics</i>, 43(1), 112. https://doi.org/10.1111/j.1365-2052.2011.02220.x</p>	Clemson University; Starr-Moss

01683-A	<p>Madajewski, B., Judy, B. F., Mouchli, A., Kapoor, V., Holt, D., Wang, M. D., ... Singhal, S. (2012). Intraoperative Near-Infrared Imaging of Surgical Wounds after Tumor Resections Can Detect Residual Disease. <i>Clinical Cancer Research</i>, 18(20), 5741–5751. https://doi.org/10.1158/1078-0432.CCR-12-1188</p>	University of Pennsylvania; Holt
01467	<p>Maurer, M., Mary, J., Guillaud, L., Fender, M., Pelé, M., Bilzer, T., ... Tiret, L. (2012). Centronuclear Myopathy in Labrador Retrievers: A Recent Founder Mutation in the PTPLA Gene Has Rapidly Disseminated Worldwide. <i>PLoS ONE</i>, 7(10), e46408. https://doi.org/10.1371/journal.pone.0046408</p>	Michigan State University; Stanley
00830-AT	<p>Metivier, K. S., Deitz, K., Xu, W. W., Conzemius, M., & Wilke, V. L. (2012). Gene expression profiling demonstrates differential expression of osteopontin in follicular thyroid carcinomas compared to normal thyroid tissue in dogs. <i>Veterinary and Comparative Oncology</i>, 12(3), 181–197. https://doi.org/10.1111/j.1476-5829.2012.00348.x</p>	University of Minnesota; Wilke
00982	<p>Modiano, J. F., Bellgrau, D., Cutter, G. R., Lana, S. E., Ehrhart, N. P., Ehrhart, E., ... Duke, R. C. (2012). Inflammation, Apoptosis, and Necrosis Induced by Neoadjuvant Fas Ligand Gene Therapy Improves Survival of Dogs With Spontaneous Bone Cancer. <i>Molecular Therapy</i>, 20(12), 2234–2243. https://doi.org/10.1038/mt.2012.149</p>	ApopLogic Pharmaceuticals, LLC; Bellgrau
00866-A	<p>Narfström, K., Jeong, M., Hyman, J., Madsen, R. W., & Bergström, T. F. (2012). Assessment of Hereditary Retinal Degeneration in the English Springer Spaniel Dog and Disease Relationship to an <i>RPGRIP1</i> Mutation. <i>Stem Cells International</i>, 2012, 1–12. https://doi.org/10.1155/2012/685901</p>	University of Missouri, Columbia; Narfstrom
01384-A	<p>Naughton, J. F., Widmer, W. R., Constable, P. D., & Knapp, D. W. (2012). Accuracy of three-dimensional and two-dimensional ultrasonography for measurement of tumor volume in dogs with transitional cell carcinoma of the urinary bladder. <i>American Journal of Veterinary Research</i>, 73(12), 1919–1924. https://doi.org/10.2460/ajvr.73.12.1919</p>	Purdue University; Naughton
01418	<p>O'Connor, C. M., Sheppard, S., Hartline, C. A., Huls, H., Johnson, M., Palla, S. L., ... Cooper, L. J. N. (2012). Adoptive T-cell therapy improves treatment of canine non-Hodgkin lymphoma post chemotherapy. <i>Scientific Reports</i>, 2(1). https://doi.org/10.1038/srep00249</p>	Texas A&M Research Foundation; Wilson-Robles
01577	<p>Ostrander, E. A. (2012). Both Ends of the Leash — The Human Links to Good Dogs with Bad Genes. <i>New England Journal of Medicine</i>, 367(7), 636–646. https://doi.org/10.1056/NEJMra1204453</p>	National Human Genome Research Institute; Ostrander

01584	Ragetly, C. A., Griffon, D. J., Hsu, M. K. I., Klump, L. M., & Hsiao-Weckler, E. T. (2012). Kinetic and kinematic analysis of the right hind limb during trotting on a treadmill in Labrador Retrievers presumed predisposed or not predisposed to cranial cruciate ligament disease. <i>American Journal of Veterinary Research</i> , 73(8), 1171–1177. https://doi.org/10.2460/ajvr.73.8.1171	Western University of Health Sciences; Griffon
01584	Ragetly, C. A., Griffon, D. J., Klump, L. M., & Hsiao-Weckler, E. T. (2012). Pelvic Limb Kinetic and Kinematic Analysis in Labrador Retrievers Predisposed or at a Low Risk for Cranial Cruciate Ligament Disease: Pelvic Limbs Kinetic and Kinematic Analysis in Labrador Retrievers. <i>Veterinary Surgery</i> , 41(8), 973–982. https://doi.org/10.1111/j.1532-950X.2012.01042.x	Western University of Health Sciences; Griffon
0002614	Seppälä, E. H., Koskinen, L. L. E., Gulløv, C. H., Jokinen, P., Karlskov-Mortensen, P., Bergamasco, L., ... Lohi, H. (2012). Identification of a Novel Idiopathic Epilepsy Locus in Belgian Shepherd Dogs. <i>PLoS ONE</i> , 7(3), e33549. https://doi.org/10.1371/journal.pone.0033549	University of California, Davis; Oberbauer
01410A	Shearin, A. L., Hedan, B., Cadieu, E., Erich, S. A., Schmidt, E. V., Faden, D. L., ... Ostrander, E. A. (2012). The MTAP-CDKN2A Locus Confers Susceptibility to a Naturally Occurring Canine Cancer. <i>Cancer Epidemiology Biomarkers & Prevention</i> , 21(7), 1019–1027. https://doi.org/10.1158/1055-9965.EPI-12-0190-T	National Human Genome Research Institute; Ostrander
01271A	Shelton, G. D., Johnson, G. C., O'Brien, D. P., Katz, M. L., Pesayco, J. P., Chang, B. J., ... Coates, J. R. (2012). Degenerative myelopathy associated with a missense mutation in the superoxide dismutase 1 (SOD1) gene progresses to peripheral neuropathy in Pembroke Welsh Corgis and Boxers. <i>Journal of the Neurological Sciences</i> , 318(1–2), 55–64. https://doi.org/10.1016/j.jns.2012.04.003	Broad Institute; Lindblad-Toh
01064-A	Shoeneman, J. K., Ehrhart, E. J., Eickhoff, J. C., Charles, J. B., Powers, B. E., & Thamm, D. H. (2012). Expression and Function of Survivin in Canine Osteosarcoma. <i>Cancer Research</i> , 72(1), 249–259. https://doi.org/10.1158/0008-5472.CAN-11-2315	Colorado State University; Thamm
00945	Suchodolski, J. S., Dowd, S. E., Wilke, V., Steiner, J. M., & Jergens, A. E. (2012). 16S rRNA Gene Pyrosequencing Reveals Bacterial Dysbiosis in the Duodenum of Dogs with Idiopathic Inflammatory Bowel Disease. <i>PLoS ONE</i> , 7(6), e39333. https://doi.org/10.1371/journal.pone.0039333	Iowa State University; Jergens
01031-A	Tan, E., Bienzle, D., Shewen, P., Kruth, S., & Wood, D. (2012). Potentially antigenic RBC membrane proteins in dogs with primary immune-mediated hemolytic anemia. <i>Veterinary Clinical Pathology</i> , n/a-n/a. https://doi.org/10.1111/j.1939-165X.2011.00391.x	University of Guelph; Wood

0002254A	<p>Thayanithy, V., Park, C., Sarver, A. L., Kartha, R. V., Korpela, D. M., Graef, A. J., ... Subramanian, S. (2012). Combinatorial Treatment of DNA and Chromatin-Modifying Drugs Cause Cell Death in Human and Canine Osteosarcoma Cell Lines. <i>PLoS ONE</i>, 7(9), e43720. https://doi.org/10.1371/journal.pone.0043720</p>	AMC Cancer Research Center; Modiano
0002254A	<p>Thayanithy, V., Sarver, A. L., Kartha, R. V., Li, L., Angstadt, A. Y., Breen, M., ... Subramanian, S. (2012). Perturbation of 14q32 miRNAs-cMYC gene network in osteosarcoma. <i>Bone</i>, 50(1), 171–181. https://doi.org/10.1016/j.bone.2011.10.012</p>	AMC Cancer Research Center; Modiano
01365-A	<p>Trafny, D. J., Freeman, L. M., Bulmer, B. J., MacGregor, J. M., Rush, J. E., Meurs, K. M., & Oyama, M. A. (2012). Auscultatory, echocardiographic, biochemical, nutritional, and environmental characteristics of mitral valve disease in Norfolk Terriers. <i>Journal of Veterinary Cardiology</i>, 14(1), 261–267. https://doi.org/10.1016/j.jvc.2011.10.002</p>	University of Pennsylvania; Oyama
00934	<p>Tsai, K. L., Noorai, R. E., Starr-Moss, A. N., Quignon, P., Rinz, C. J., Ostrander, E. A., ... Clark, L. A. (2012). Genome-wide association studies for multiple diseases of the German Shepherd Dog. <i>Mammalian Genome</i>, 23(1–2), 203–211. https://doi.org/10.1007/s00335-011-9376-9</p>	Texas A&M University; Clark
0002214T	<p>Tsai, P.-C., & Breen, M. (2012). Array-based comparative genomic hybridization–guided identification of reference genes for normalization of real-time quantitative polymerase chain reaction assay data for lymphomas, histiocytic sarcomas, and osteosarcomas of dogs. <i>American Journal of Veterinary Research</i>, 73(9), 1335–1343. https://doi.org/10.2460/ajvr.73.9.1335</p>	North Carolina State University; Breen
00927	<p>Urkasemsin, G., Linder, K. E., Bell, J. S., de Lahunta, A., & Olby, N. J. (2012). Mapping of Purkinje Neuron Loss and Polyglucosan Body Accumulation in Hereditary Cerebellar Degeneration in Scottish Terriers. <i>Veterinary Pathology</i>, 49(5), 852–859. https://doi.org/10.1177/0300985811412622</p>	North Carolina State University; Olby
01601	<p>van Steenbeek, F. G., van den Bossche, L., Leegwater, P. A. J., & Rothuizen, J. (2012). Inherited liver shunts in dogs elucidate pathways regulating embryonic development and clinical disorders of the portal vein. <i>Mammalian Genome</i>, 23(1–2), 76–84. https://doi.org/10.1007/s00335-011-9364-0</p>	University of Utrecht; Leegwater
00970	<p>Volk, S. W., Wang, Y., & Hankenson, K. D. (2012). Effects of Donor Characteristics and Ex Vivo Expansion on Canine Mesenchymal Stem Cell Properties: Implications for MSC-Based Therapies. <i>Cell Transplantation</i>, 21(10), 2189–2200. https://doi.org/10.3727/096368912X636821</p>	University of Pennsylvania; Volk

00945	<p>Wilke, V. L., Nettleton, D., Wymore, M. J., Gallup, J. M., Demirkale, C. Y., Ackermann, M. R., ... Jergens, A. E. (2012). Gene expression in intestinal mucosal biopsy specimens obtained from dogs with chronic enteropathy. <i>American Journal of Veterinary Research</i>, 73(8), 1219–1229. https://doi.org/10.2460/ajvr.73.8.1219</p>	<p>Iowa State University; Jergens</p>
01180-A	<p>Witsberger, T. H., Levine, J. M., Fosgate, G. T., Slater, M. R., Kerwin, S. C., Russell, K. E., & Levine, G. J. (2012). Associations between cerebrospinal fluid biomarkers and long-term neurologic outcome in dogs with acute intervertebral disk herniation. <i>Journal of the American Veterinary Medical Association</i>, 240(5), 555–562. https://doi.org/10.2460/javma.240.5.555</p>	<p>Texas A&M University; Levine</p>

2011 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
00947A	Angstadt, A. Y., Motsinger-Reif, A., Thomas, R., Kisseberth, W. C., Guillermo Couto, C., Duval, D. L., ... Breen, M. (2011). Characterization of canine osteosarcoma by array comparative genomic hybridization and RT-qPCR: Signatures of genomic imbalance in canine osteosarcoma parallel the human counterpart. <i>Genes, Chromosomes and Cancer</i> , 50(11), 859–874. https://doi.org/10.1002/gcc.20908	North Carolina State University; Breen
01455	Barber, R. M., Schatzberg, S. J., Corneveaux, J. J., Allen, A. N., Porter, B. F., Pruzin, J. J., ... Huentelman, M. J. (2011). Identification of Risk Loci for Necrotizing Meningoencephalitis in Pug Dogs. <i>Journal of Heredity</i> , 102(Suppl_1), S40–S46. https://doi.org/10.1093/jhered/esr048	University of Georgia; Platt
0002405	Bleedorn, J. A., Greuel, E. N., Manley, P. A., Schaefer, S. L., Markel, M. D., Holzman, G., & Muir, P. (2011). Synovitis in Dogs with Stable Stifle Joints and Incipient Cranial Cruciate Ligament Rupture: A Cross-Sectional Study. <i>Veterinary Surgery</i> , 40(5), 531–543. https://doi.org/10.1111/j.1532-950X.2011.00841.x	University of Wisconsin, Madison; Muir
00799-A	Boggiatto, P. M., Gibson-Corley, K. N., Metz, K., Gallup, J. M., Hostetter, J. M., Mullin, K., & Petersen, C. A. (2011). Transplacental Transmission of <i>Leishmania infantum</i> as a Means for Continued Disease Incidence in North America. <i>PLoS Neglected Tropical Diseases</i> , 5(4), e1019. https://doi.org/10.1371/journal.pntd.0001019	Iowa State University; Petersen
00888-A	Braganza, A., Wallace, K., Pell, L., Parrish, C. R., Siegel, D. L., & Mason, N. J. (2011). Generation and validation of canine single chain variable fragment phage display libraries. <i>Veterinary Immunology and Immunopathology</i> , 139(1), 27–40. https://doi.org/10.1016/j.vetimm.2010.07.026	University of Pennsylvania; Mason
0195	Corcoran, B. M., King, L. G., Schwarz, T., Hammond, G., & Sullivan, M. (2011). Further characterisation of the clinical features of chronic pulmonary disease in West Highland White Terriers. <i>Veterinary Record</i> , 168(13), 355–355. https://doi.org/10.1136/vr.c6519	University of Edinburgh; Corcoran
0002222	Doré, M. (2011). Cyclooxygenase-2 Expression in Animal Cancers. <i>Veterinary Pathology</i> , 48(1), 254–265. https://doi.org/10.1177/0300985810379434	University of Montreal; Dore

00598	Ekenstedt, K. J., Patterson, E. E., Minor, K. M., & Mickelson, J. R. (2011). Candidate genes for idiopathic epilepsy in four dog breeds. <i>BMC Genetics</i> , 12(1), 38. https://doi.org/10.1186/1471-2156-12-38	University of Minnesota; Mickelson
00732	Farias, F. H. G., Zeng, R., Johnson, G. S., Winger, F. A., Taylor, J. F., Schnabel, R. D., ... Katz, M. L. (2011). A truncating mutation in ATP13A2 is responsible for adult-onset neuronal ceroid lipofuscinosis in Tibetan Terriers. <i>Neurobiology of Disease</i> , 42(3), 468–474. https://doi.org/10.1016/j.nbd.2011.02.009	University of Missouri, Columbia; Katz
00594	Fecteau, K. A., Eiler, H., & Oliver, J. W. (2011). Effect of combined lignan phytoestrogen and melatonin treatment on secretion of steroid hormones by adrenal carcinoma cells. <i>American Journal of Veterinary Research</i> , 72(5), 675–680. https://doi.org/10.2460/ajvr.72.5.675	University of Tennessee; Fecteau
00976	Fossey, S. L., Bear, M. D., Kisseberth, W. C., Pennell, M., & London, C. A. (2011). Oncostatin M promotes STAT3 activation, VEGF production, and invasion in osteosarcoma cell lines. <i>BMC Cancer</i> , 11(1). https://doi.org/10.1186/1471-2407-11-125	The Ohio State University; London
00976	Fossey, S. L., Bear, M. D., Lin, J., Li, C., Schwartz, E. B., Li, P.-K., ... London, C. A. (2011). The novel curcumin analog FLLL32 decreases STAT3 DNA binding activity and expression, and induces apoptosis in osteosarcoma cell lines. <i>BMC Cancer</i> , 11(1). https://doi.org/10.1186/1471-2407-11-112	The Ohio State University; London
01232-A	Gaurnier-Hausser, A., Patel, R., Baldwin, A. S., May, M. J., & Mason, N. J. (2011). NEMO-Binding Domain Peptide Inhibits Constitutive NF- B Activity and Reduces Tumor Burden in a Canine Model of Relapsed, Refractory Diffuse Large B-Cell Lymphoma. <i>Clinical Cancer Research</i> , 17(14), 4661–4671. https://doi.org/10.1158/1078-0432.CCR-10-3310	University of Pennsylvania; Mason
01037-A	Harper, T. A. M., Jones, J. C., Saunders, G. K., Daniel, G. B., Leroith, T., & Rossmeissl, E. (2011). Sensitivity of Low-Field T2* Images for Detecting the Presence and Severity of Histopathologic Meniscal Lesions in Dogs. <i>Veterinary Radiology & Ultrasound</i> , 52(4), 428–435. https://doi.org/10.1111/j.1740-8261.2011.01818.x	Virginia-Maryland Regional College of Veterinary Medicine; Harper
0002667	Hedan, B., Thomas, R., Motsinger-Reif, A., Abadie, J., Andre, C., Cullen, J., & Breen, M. (2011). Molecular cytogenetic characterization of canine histiocytic sarcoma: A spontaneous model for human histiocytic cancer identifies deletion of tumor suppressor genes and highlights influence of genetic background on tumor behavior. <i>BMC Cancer</i> , 11(1). https://doi.org/10.1186/1471-2407-11-201	North Carolina State University; Breen

01046-A	Hong, S.-H., Osborne, T., Ren, L., Briggs, J., Mazcko, C., Burkett, S. S., & Khanna, C. (2011). Protein kinase C regulates ezrin-radixin-moesin phosphorylation in canine osteosarcoma cells. <i>Veterinary and Comparative Oncology</i> , 9(3), 207–218. https://doi.org/10.1111/j.1476-5829.2010.00249.x	National Cancer Institute; Hong
01233-A	Hughes, A. M., Bannasch, D. L., Kellett, K., & Oberbauer, A. M. (2011). Examination of candidate genes for hypoadrenocorticism in Nova Scotia Duck Tolling Retrievers. <i>The Veterinary Journal</i> , 187(2), 212–216. https://doi.org/10.1016/j.tvjl.2009.10.012	University of California, Davis; Bannasch
00615A	Ito, D., Endicott, M. M., Jubala, C. M., Helm, K. M., Burnett, R. C., Husbands, B. D., ... Modiano, J. F. (2011). A Tumor-Related Lymphoid Progenitor Population Supports Hierarchical Tumor Organization in Canine B-Cell Lymphoma: Canine B-Cell Lymphoma. <i>Journal of Veterinary Internal Medicine</i> , 25(4), 890–896. https://doi.org/10.1111/j.1939-1676.2011.0756.x	University of Colorado; Modiano
00732	Katz, M. L., Farias, F. H., Sanders, D. N., Zeng, R., Khan, S., Johnson, G. S., & O'Brien, D. P. (2011). A Missense Mutation in Canine <i>CLN6</i> in an Australian Shepherd with Neuronal Ceroid Lipofuscinosis. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 1–6. https://doi.org/10.1155/2011/198042	University of Missouri, Columbia; Katz
00859-A	Ke, X., Kennedy, L. J., Short, A. D., Seppälä, E. H., Barnes, A., Clements, D. N., ... Ollier, W. E. R. (2011). Assessment of the functionality of genome-wide canine SNP arrays and implications for canine disease association studies. <i>Animal Genetics</i> , 42(2), 181–190. https://doi.org/10.1111/j.1365-2052.2010.02132.x	University of Manchester; Kennedy
01425	Lequarré, A.-S., Andersson, L., André, C., Fredholm, M., Hitte, C., Leeb, T., ... Georges, M. (2011). LUPA: A European initiative taking advantage of the canine genome architecture for unravelling complex disorders in both human and dogs. <i>The Veterinary Journal</i> , 189(2), 155–159. https://doi.org/10.1016/j.tvjl.2011.06.013	University of Helsinki and the Folkhälsan Institute of Genetics; Lohi
01066-A	Love, S. B., Davis, M. S., Goad, C., Murphy, K., Aichele, D. B., & Fossum, T. W. (2011). Predictive haematological and serum biomarkers for canine endurance exercise. <i>Comparative Exercise Physiology</i> , 7(03), 109–115. https://doi.org/10.1017/S1755254010000310	Oklahoma State University; Davis
01160-A	Mai, W., & Weisse, C. (2011). Contrast-enhanced portal magnetic resonance angiography in dogs with suspected congenital portal vascular anomalies. <i>Veterinary Radiology & Ultrasound</i> , 52(3), 284–288. https://doi.org/10.1111/j.1740-8261.2010.01771.x	University of Pennsylvania; Mai

01190-A	<p>Minor, K. M., Patterson, E. E., Keating, M. K., Gross, S. D., Ekenstedt, K. J., Taylor, S. M., & Mickelson, J. R. (2011). Presence and impact of the exercise-induced collapse associated DNM1 mutation in Labrador Retrievers and other breeds. <i>The Veterinary Journal</i>, 189(2), 214–219. https://doi.org/10.1016/j.tvjl.2011.06.022</p>	University of Minnesota; Mickelson
00741	<p>Muir, P., Kelly, J. L., Marvel, S. J., Heinrich, D. A., Schaefer, S. L., Manley, P. A., ... Plisch, E. (2011). Lymphocyte Populations in Joint Tissues from Dogs with Inflammatory Stifle Arthritis and Associated Degenerative Cranial Cruciate Ligament Rupture: Lymphocyte Populations in Joint Tissues. <i>Veterinary Surgery</i>, 40(6), 753–761. https://doi.org/10.1111/j.1532-950X.2011.00867.x</p>	University of Wisconsin, Madison; Muir
0002405	<p>Muir, P., Schwartz, Z., Malek, S., Kreines, A., Cabrera, S. Y., Buote, N. J., ... Hao, Z. (2011). Contralateral Cruciate Survival in Dogs with Unilateral Non-Contact Cranial Cruciate Ligament Rupture. <i>PLoS ONE</i>, 6(10), e25331. https://doi.org/10.1371/journal.pone.0025331</p>	University of Wisconsin, Madison; Muir
01244-A	<p>Pedersen, N., Liu, H., Millon, L., & Greer, K. (2011). Dog Leukocyte Antigen Class II–Associated Genetic Risk Testing for Immune Disorders of Dogs: Simplified Approaches Using Pug Dog Necrotizing Meningoencephalitis as a Model. <i>Journal of Veterinary Diagnostic Investigation</i>, 23(1), 68–76. https://doi.org/10.1177/104063871102300110</p>	Indiana University East; Greer
00876-A	<p>Quilez, J., Short, A. D., Martínez, V., Kennedy, L. J., Ollier, W., Sanchez, A., ... Francino, O. (2011). A selective sweep of >8 Mb on chromosome 26 in the Boxer genome. <i>BMC Genomics</i>, 12(1). https://doi.org/10.1186/1471-2164-12-339</p>	University of Manchester; Kennedy
00225	<p>Rincon, G., Tengvall, K., Belanger, J. M., Lagoutte, L., Medrano, J. F., André, C., ... Oberbauer, A. M. (2011). Comparison of buccal and blood-derived canine DNA, either native or whole genome amplified, for array-based genome-wide association studies. <i>BMC Research Notes</i>, 4(1), 226. https://doi.org/10.1186/1756-0500-4-226</p>	University of California, Davis; Oberbauer
01077-A	<p>Roshwalb, S., Gorman, S., Hurst, S., Bartges, J., Agarwal, S., Sommardahl, C., ... Dhar, M. S. (2011). mRNA expression of canine ATP10C, a P4-type ATPase, is positively associated with body condition score. <i>The Veterinary Journal</i>, 190(1), 173–175. https://doi.org/10.1016/j.tvjl.2010.09.008</p>	University of Tennessee; Dhar
01591	<p>Salzmann, C. A., Olivry, T. J., Nielsen, D. M., Paps, J. S., Harris, T. L., & Olby, N. J. (2011). Genome-wide linkage study of atopic dermatitis in West Highland White Terriers. <i>BMC Genetics</i>, 12(1), 37. https://doi.org/10.1186/1471-2156-12-37</p>	North Carolina State University; Olby

00741	Schwartz, Z., Zitzer, N. C., Racette, M. A., Manley, P. A., Schaefer, S. L., Markel, M. D., ... Muir, P. (2011). Are bacterial load and synovitis related in dogs with inflammatory stifle arthritis? <i>Veterinary Microbiology</i> , 148(2–4), 308–316. https://doi.org/10.1016/j.vetmic.2010.09.011	University of Wisconsin, Madison; Muir
0002254A	Scott, M. C., Sarver, A. L., Gavin, K. J., Thayanithy, V., Getzy, D. M., Newman, R. A., ... Modiano, J. F. (2011). Molecular subtypes of osteosarcoma identified by reducing tumor heterogeneity through an interspecies comparative approach. <i>Bone</i> , 49(3), 356–367. https://doi.org/10.1016/j.bone.2011.05.008	AMC Cancer Research Center; Modiano
00415	Stein, R., Balkman, C., Chen, S., Rassnick, K., Mcentee, M., Page, R., & Goldenberg, D. M. (2011). Evaluation of anti-human leukocyte antigen-DR monoclonal antibody therapy in spontaneous canine lymphoma. <i>Leukemia & Lymphoma</i> , 52(2), 273–284. https://doi.org/10.3109/10428194.2010.535182	Cornell University; Page
01194-A	Stoica, G., Levine, J., Wolff, J., & Murphy, K. (2011). Canine Astrocytic Tumors: A Comparative Review. <i>Veterinary Pathology</i> , 48(1), 266–275. https://doi.org/10.1177/0300985810389543	Texas A&M University; Stoica
00613	Thomas, R., Seiser, E. L., Motsinger-Reif, A., Borst, L., Valli, V. E., Kelley, K., ... Breen, M. (2011). Refining tumor-associated aneuploidy through ‘genomic recoding’ of recurrent DNA copy number aberrations in 150 canine non-Hodgkin lymphomas. <i>Leukemia & Lymphoma</i> , 52(7), 1321–1335. https://doi.org/10.3109/10428194.2011.559802	North Carolina State University; Breen
01227-A	Trivedi, S., Marks, S. L., Kass, P. H., Luff, J. A., Keller, S. M., Johnson, E. G., & Murphy, B. (2011). Sensitivity and Specificity of Canine Pancreas-Specific Lipase (cPL) and Other Markers for Pancreatitis in 70 Dogs with and without Histopathologic Evidence of Pancreatitis. <i>Journal of Veterinary Internal Medicine</i> , 25(6), 1241–1247. https://doi.org/10.1111/j.1939-1676.2011.00793.x	University of California, Davis; Marks
00768	Valli, V. E., Myint, M. S., Barthel, A., Bienzle, D., Caswell, J., Colbatzky, F., ... Vernau, W. (2011). Classification of Canine Malignant Lymphomas According to the World Health Organization Criteria. <i>Veterinary Pathology</i> , 48(1), 198–211. https://doi.org/10.1177/0300985810379428	University of Illinois; Valli
01231-A	Varanat, M., Maggi, R. G., Linder, K. E., & Breitschwerdt, E. B. (2011). Molecular prevalence of <i>Bartonella</i> , <i>Babesia</i> , and Hemotropic <i>Mycoplasma</i> sp. in dogs with splenic disease. <i>Journal of Veterinary Internal Medicine</i> , 25(6), 1284–1291. https://doi.org/10.1111/j.1939-1676.2011.00811.x	North Carolina State University; Breitschwerdt

01083-A	Wang, P., Zangerl, B., Werner, P., Mauldin, E. A., & Casal, M. L. (2011). Familial cutaneous lupus erythematosus (CLE) in the German Shorthaired Pointer maps to CFA18, a canine orthologue to human CLE. <i>Immunogenetics</i> , 63(4), 197–207. https://doi.org/10.1007/s00251-010-0499-z	University of Pennsylvania; Casal
00822	Webster, J. D., Simpson, E. R., Michalowski, A. M., Hoover, S. B., & Simpson, R. M. (2011). Quantifying Histological Features of Cancer Biospecimens for Biobanking Quality Assurance Using Automated Morphometric Pattern Recognition Image Analysis Algorithms. <i>Journal of Biomolecular Techniques</i> . 22(3), 11. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165860/	Canine Comparative Oncology and Genomics Consortium Inc; Breen
01265	Wiley, J. S., Sluyter, R., Gu, B. J., Stokes, L., & Fuller, S. J. (2011). The human P2X7 receptor and its role in innate immunity. <i>Tissue Antigens</i> , 78(5), 321–332. https://doi.org/10.1111/j.1399-0039.2011.01780.x	University of Wollongong; Sluyter
01212-A	Wininger, F. A., Zeng, R., Johnson, G. S., Katz, M. L., Johnson, G. C., Bush, W. W., ... Coates, J. R. (2011). Degenerative Myelopathy in a Bernese Mountain Dog with a Novel SOD1 Missense Mutation. <i>Journal of Veterinary Internal Medicine</i> , 25(5), 1166–1170. https://doi.org/10.1111/j.1939-1676.2011.0760.x	University of Missouri, Columbia; Coates

2010 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
00896-A	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>Journal of Veterinary Internal Medicine</i> , 24(5), 1124–1130. https://doi.org/10.1111/j.1939-1676.2010.0569.x	Purdue University; Knapp
00925	Abitbol, M., Thibaud, J.-L., Olby, N. J., Hitte, C., Puech, J.-P., Maurer, M., ... Tiret, L. (2010). A canine Arylsulfatase G (ARSG) mutation leading to a sulfatase deficiency is associated with neuronal ceroid lipofuscinosis. <i>Proceedings of the National Academy of Sciences</i> , 107(33), 14775–14780. https://doi.org/10.1073/pnas.0914206107	North Carolina State University; Olby
00990-A	Aguirre-Hernández, J., Polton, G., Kennedy, L. J., & Sargan, D. R. (2010). Association between anal sac gland carcinoma and dog leukocyte antigen-DQB1 in the English Cocker Spaniel. <i>Tissue Antigens</i> , 76(6), 476–481. https://doi.org/10.1111/j.1399-0039.2010.01554.x	University of Cambridge; Sargan
00752	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>Proceedings of the National Academy of Sciences</i> , 107(3), 1160–1165. https://doi.org/10.1073/pnas.0909918107	University of Washington; Akey
01099	Barber, R. M., Li, Q., Diniz, P. P. V. 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 <i>Ehrlichia</i> , <i>Anaplasma</i> , Spotted Fever Group <i>Rickettsia</i> , <i>Bartonella</i> , and <i>Borrelia</i> Species in Canine Neurological Diseases (109 Cases). <i>Journal of Veterinary Internal Medicine</i> , 24(2), 372–378. https://doi.org/10.1111/j.1939-1676.2009.0466.x	University of Georgia; Schatzberg
00778	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>Journal of Veterinary Internal Medicine</i> , 24(5), 1118–1123. https://doi.org/10.1111/j.1939-1676.2010.0557.x	Colorado State University; Biller
00799-A	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>Clinical and Vaccine Immunology</i> , 17(2), 267–273. https://doi.org/10.1128/CVI.00456-09	Iowa State University; Petersen

01179-A	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>Veterinary Dermatology</i> , 21(6), 619–625. https://doi.org/10.1111/j.1365-3164.2010.00927.x	Dermatology for Animals; Campbell
00985-A	Chandler, H. L., Gemensky-Metzler, A. J., Bras, I. D., Robbin-Webb, T. E., Saville, W. J. A., & Colitz, C. M. H. (2010). In vivo effects of adjunctive tetracycline treatment on refractory corneal ulcers in dogs. <i>Journal of the American Veterinary Medical Association</i> , 237(4), 378–386. https://doi.org/10.2460/javma.237.4.378	The Ohio State University; Chandler
0001654	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>American Journal of Veterinary Research</i> , 71(7), 780–783. https://doi.org/10.2460/ajvr.71.7.780	North Carolina State University; Marcellin-Little
00821	Coates, J. R., & Winger, F. A. (2010). Canine Degenerative Myelopathy. <i>Veterinary Clinics of North America: Small Animal Practice</i> , 40(5), 929–950. https://doi.org/10.1016/j.cvsm.2010.05.001	University of Missouri, Columbia; Coates
00567-A	Farias, F. H. G., 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>Investigative Ophthalmology & Visual Science</i> , 51(9), 4716–4721. https://doi.org/10.1167/iovs.09-5142	University of Cambridge; Sargan
00675-A	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 Chemotherapy and Pharmacology</i> , 65(3), 549–556. https://doi.org/10.1007/s00280-009-1061-2	Purdue University; Knapp
00279	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> . https://doi.org/10.1111/j.1399-0039.2010.01484.x	University of California, Davis; Pedersen
01062-A	Griffon, D. J. (2010). A Review of the Pathogenesis of Canine Cranial Cruciate Ligament Disease as a Basis for Future Preventive Strategies. <i>Veterinary Surgery</i> , 39(4), 399–409. https://doi.org/10.1111/j.1532-950X.2010.00654.x	University of Illinois; Griffon

01152	Hafeman, S., London, C., Elmslie, R., & Dow, S. (2010). Evaluation of liposomal clodronate for treatment of malignant histiocytosis in dogs. <i>Cancer Immunology, Immunotherapy</i> , 59(3), 441–452. https://doi.org/10.1007/s00262-009-0763-y	Colorado State University; Dow
00615A	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-excitabile DNA-binding fluorescent dye (DyeCycle Violet). <i>Veterinary Clinical Pathology</i> , 39(4), 494–498. https://doi.org/10.1111/j.1939-165X.2010.00252.x	University of Colorado; Modiano
01180-A	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>Journal of Veterinary Internal Medicine</i> , 24(4), 890–896. https://doi.org/10.1111/j.1939-1676.2010.0531.x	Texas A&M University; Levine
0002010	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. https://doi.org/10.1182/blood-2009-07-231985	University of California, Davis; London
00975	Lin, Tzu-Yin, & London, C. A. (2010). Characterization and modulation of canine mast cell derived eicosanoids. <i>Veterinary Immunology and Immunopathology</i> , 135(1–2), 118–127. https://doi.org/10.1016/j.vetimm.2009.11.010	The Ohio State University; London
01083-A	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 (ciclosporin, hydroxychloroquine, and adalimumab) in a controlled environment. <i>Veterinary Dermatology</i> . https://doi.org/10.1111/j.1365-3164.2010.00867.x	University of Pennsylvania; Casal
00883-A	McKenzie, E., Lupfer, C., Banse, H., Hinchcliff, K., Love, S., Nelson, Jr, S., ... Pastey, M. (2010). Hypogammaglobulinemia in Racing Alaskan Sled Dogs. <i>Journal of Veterinary Internal Medicine</i> , 24(1), 179–184. https://doi.org/10.1111/j.1939-1676.2009.0416.x	Oregon State University; McKenzie
01074-A	McKenzie, E., Riehl, J., Banse, H., Kass, P. H., Nelson, Jr, S., & Marks, S. L. (2010). Prevalence of Diarrhea and Enteropathogens in Racing Sled Dogs. <i>Journal of Veterinary Internal Medicine</i> , 24(1), 97–103. https://doi.org/10.1111/j.1939-1676.2009.0418.x	Oregon State University; McKenzie

00759	Moore, G. E., & HogenEsch, H. (2010). Adverse Vaccinal Events in Dogs and Cats. <i>Veterinary Clinics of North America: Small Animal Practice</i> , 40, 393–407. https://doi.org/10.1016/j.cvsm.2010.02.002	Purdue University; Moore
01062-A	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>Veterinary Surgery</i> , 39(3), 380–389. https://doi.org/10.1111/j.1532-950X.2010.00657.x	University of Illinois; Griffon
00741	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>Veterinary Microbiology</i> , 141(1–2), 127–133. https://doi.org/10.1016/j.vetmic.2009.08.015	University of Wisconsin, Madison; Muir
01005-A	Muñana, K. R., Zhang, D., & Patterson, E. E. (2010). Placebo Effect in Canine Epilepsy Trials. <i>Journal of Veterinary Internal Medicine</i> , 24(1), 166–170. https://doi.org/10.1111/j.1939-1676.2009.0407.x	University of Minnesota; Patterson
01099	Nghiem, P. P., & Schatzberg, S. J. (2010). Conventional and molecular diagnostic testing for the acute neurologic patient. <i>Journal of Veterinary Emergency and Critical Care</i> , 20(1), 46–61. https://doi.org/doi:10.1111/j.1476-4431.2009.00495.x	University of Georgia; Schatzberg
01186-A	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>American Journal of Veterinary Research</i> , 71(2), 138–149. https://doi.org/10.2460/ajvr.71.2.138	Virginia-Maryland Regional College of Veterinary Medicine; Jones
01186-A	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>American Journal of Veterinary Research</i> , 71(3), 268–274. https://doi.org/10.2460/ajvr.71.3.268	Virginia-Maryland Regional College of Veterinary Medicine; Jones
0001613	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 Genetics</i> , 11, 35. https://doi.org/10.1186/1471-2156-11-35	University of California, Davis; Oberbauer

00961	<p>Otto, C. M., Downend, A. B., Moore, G. E., Daggy, J. K., Ranivand, D. L., Reetz, J. A., & Fitzgerald, S. D. (2009). Medical surveillance of search dogs deployed to the World Trade Center and Pentagon: 2001-2006. <i>Journal of Veterinary Behavior</i>, 4(6), 241. https://doi.org/10.1016/j.jveb.2009.04.002</p>	University of Pennsylvania; Otto
00908	<p>Oyama, M. A., & Levy, R. J. (2010). Insights into Serotonin Signaling Mechanisms Associated with Canine Degenerative Mitral Valve Disease. <i>Journal of Veterinary Internal Medicine</i>, 24(1), 27–36. https://doi.org/10.1111/j.1939-1676.2009.0411.x</p>	University of Pennsylvania; Oyama
00762	<p>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: Paroxysmal Dyskinesia. <i>Journal of Veterinary Internal Medicine</i>, 24(6), 1305–1313. https://doi.org/10.1111/j.1939-1676.2010.0629.x</p>	University of Missouri, Columbia; Johnson
01093A	<p>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>Annual Review of Genetics</i>, 44(1), 309–336. https://doi.org/10.1146/annurev-genet-102808-115200</p>	National Human Genome Research Institute; Ostrander
01062-A	<p>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>Veterinary Surgery</i>, 39(4), 513–522. https://doi.org/10.1111/j.1532-950X.2010.00680.x</p>	University of Illinois; Griffon
00732	<p>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>Molecular Genetics and Metabolism</i>, 100(4), 349–356. https://doi.org/10.1016/j.ymgme.2010.04.009</p>	University of Missouri, Columbia; Katz
00935A	<p>Shearin, A. L., & Ostrander, E. A. (2010). Leading the way: canine models of genomics and disease. <i>Disease Models & Mechanisms</i>, 3(1–2), 27–34. https://doi.org/10.1242/dmm.004358</p>	National Human Genome Research Institute; Ostrander
00917	<p>Short, A. D., Mellersh, C. S., Platt, H., Carter, S. D., Timofte, D., Lohi, H., & Ollier, W. E. R. (2010). Exonic mutations in the L2HGDH gene in Staffordshire Bull Terriers. <i>Veterinary Record</i>, 167(12), 455–457. https://doi.org/10.1136/vr.c4476</p>	University of Manchester; Ollier

00664-A	<p>Starkey, M. P., & Murphy, S. (2010). Using lymph node fine needle aspirates for gene expression profiling of canine lymphoma. <i>Veterinary and Comparative Oncology</i>, 8(1), 56–71. https://doi.org/10.1111/j.1476-5829.2009.00205.x</p>	Animal Health Trust; Starkey
0002303	<p>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>Journal of the American Veterinary Medical Association</i>, 236(4), 430–433. https://doi.org/10.2460/javma.236.4.430</p>	The Ohio State University; Meurs
00945	<p>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>Veterinary Microbiology</i>, 142(3–4), 394–400. https://doi.org/10.1016/j.vetmic.2009.11.002</p>	Iowa State University; Jergens
01099	<p>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>Journal of Small Animal Practice</i>, 51(3), 138–149. https://doi.org/10.1111/j.1748-5827.2009.00823.x</p>	University of Georgia; Schatzberg
0002254A	<p>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(1). https://doi.org/10.1186/1471-2407-10-619</p>	AMC Cancer Research Center; Modiano
01062-A	<p>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>Veterinary Surgery</i>, 39(2), 187–194. https://doi.org/10.1111/j.1532-950X.2009.00641.x</p>	University of Illinois; Griffon
00927	<p>Urkasemsin, G., Linder, K. E., Bell, J. S., De Lahunta, A., & Olby, N. J. (2010). Hereditary Cerebellar Degeneration in Scottish Terriers. <i>Journal of Veterinary Internal Medicine</i>, 24(3), 565–570. https://doi.org/10.1111/j.1939-1676.2010.0499.x</p>	North Carolina State University; Olby
0001268	<p>vonHoldt, B. M., Pollinger, J. P., Lohmueller, K. E., Han, E., Parker, H. G., Quignon, P., ... Wayne, R. K. (2010). Genome-wide SNP and haplotype analyses reveal a rich history underlying dog domestication. <i>Nature</i>, 464(7290), 898–902. https://doi.org/10.1038/nature08837</p>	Fred Hutchinson Cancer Research Center; Ostrander

01233-A Wilbe, M., Jokinen, P., Truvé, 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. *Nature Genetics*, 42(3), 250–254. <https://doi.org/10.1038/ng.525> University of California, Davis; Bannasch

00572-A 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. *Genetics*, 184(2), 595–605. <https://doi.org/10.1534/genetics.109.106831> North Carolina State University; Olivry

00850-A Yokoyama, J. S., Erdman, C. A., & Hamilton, S. P. (2010). Array-Based Whole-Genome Survey of Dog Saliva DNA Yields High Quality SNP Data. *PLoS ONE*, 5(5), e10809. <https://doi.org/10.1371/journal.pone.0010809> University of California, San Francisco; Hamilton

01018-A Zhao, X., Du, Z.-Q., & Rothschild, M. F. (2010). An association study of 20 candidate genes with cryptorchidism in Siberian Husky dogs: Association study of candidate genes with cryptorchidism. *Journal of Animal Breeding and Genetics*, 127(4), 327–331. <https://doi.org/10.1111/j.1439-0388.2010.00859.x> Iowa State University; Rothschild

00395-A 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. *Journal of the American Veterinary Medical Association*, 237(2), 178–186. <https://doi.org/10.2460/javma.237.2.178> Virginia-Maryland Regional College of Veterinary Medicine; Zimmerman

2009 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
00935A	Abadie, J., Hedan, B., Cadieu, E., De Brito, C., Devauchelle, P., Bourgain, C., ... Andre, C. (2009). Epidemiology, Pathology, and Genetics of Histiocytic Sarcoma in the Bernese Mountain Dog Breed. <i>Journal of Heredity</i> , 100(Supplement 1), S19–S27. https://doi.org/10.1093/jhered/esp039	National Human Genome Research Institute; Ostrander
00858-A	Atkinson, K. J., Fine, D. M., Thombs, L. A., Gorelick, J. J., & Durham, H. E. (2009). Evaluation of Pimobendan and N-Terminal Probrain Natriuretic Peptide in the Treatment of Pulmonary Hypertension Secondary to Degenerative Mitral Valve Disease in Dogs. <i>Journal of Veterinary Internal Medicine</i> , 23(6), 1190–1196. https://doi.org/10.1111/j.1939-1676.2009.0390.x	University of Missouri, Columbia; Fine
00683-A	Atkinson, K. J., Fine, D. M., Thombs, L. A., Gorelick, J. J., & Durham, H. E. (2009). Evaluation of Pimobendan and N-Terminal Probrain Natriuretic Peptide in the Treatment of Pulmonary Hypertension Secondary to Degenerative Mitral Valve Disease in Dogs. <i>Journal of Veterinary Internal Medicine</i> , 23(6), 1190–1196. https://doi.org/10.1111/j.1939-1676.2009.0390.x	University of Guelph; Wood
00732	Awano, T., Johnson, G. S., Wade, C. M., Katz, M. L., Johnson, G. C., Taylor, J. F., ... Coates, J. R. (2009). Genome-wide association analysis reveals a <i>SOD1</i> mutation in canine degenerative myelopathy that resembles amyotrophic lateral sclerosis. <i>Proceedings of the National Academy of Sciences</i> , 106(8), 2794–2799. https://doi.org/10.1073/pnas.0812297106	University of Missouri, Columbia; Katz
00228T	Baumwart, R. D., Meurs, K. M., & Raman, S. V. (2009). Magnetic Resonance Imaging of Right Ventricular Morphology and Function in Boxer Dogs with Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Journal of Veterinary Internal Medicine</i> , 23(2), 271–274. https://doi.org/10.1111/j.1939-1676.2008.0266.x	Washington State University; Meurs
00849-A	Blais, M.-C., Rozanski, E. A., Hale, A. S., Shaw, S. P., & Cotter, S. M. (2009). Lack of Evidence of Pregnancy-Induced Alloantibodies in Dogs. <i>Journal of Veterinary Internal Medicine</i> , 23(3), 462–465. https://doi.org/10.1111/j.1939-1676.2009.0286.x	Tufts University; Blais
00683-A	Burgess, H. J., Woods, J. P., Abrams-Ogg, A. C. G., & Wood, R. D. (2009). Use of a questionnaire to predict von Willebrand disease status and characterize hemorrhagic signs in a population of dogs and evaluation of a diagnostic profile to predict risk of bleeding. <i>The Canadian Journal of Veterinary Research</i> , 73, 241–251.	University of Guelph; Wood

0001268	<p>Cadiou, E., Neff, M. W., Quignon, P., Walsh, K., Chase, K., Parker, H. G., ... Ostrander, E. A. (2009). Coat Variation in the Domestic Dog Is Governed by Variants in Three Genes. <i>Science</i>, 326(5949), 150–153. https://doi.org/10.1126/science.1177808</p>	<p>Fred Hutchinson Cancer Research Center; Ostrander</p>
00850-A	<p>Chang, M. L., Yokoyama, J. S., Branson, N., Dyer, D. J., Hitte, C., Overall, K. L., & Hamilton, S. P. (2009). Intra-breed Stratification Related to Divergent Selection Regimes in Purebred Dogs May Affect the Interpretation of Genetic Association Studies. <i>Journal of Heredity</i>, 100(suppl_1), S28–S36. https://doi.org/10.1093/jhered/esp012</p>	<p>University of California, San Francisco; Hamilton</p>
00276	<p>Cruickshank, J., Quaas, R. L., Li, J., Hemsley, S., Gunn, T. M., & Moise, N. S. (2009). Genetic Analysis of Ventricular Arrhythmia in Young German Shepherd Dogs. <i>Journal of Veterinary Internal Medicine</i>, 23(2), 264–270. https://doi.org/10.1111/j.1939-1676.2009.0265.x</p>	<p>Cornell University; Moise</p>
00886-A	<p>Dewey, C. W., Cerda-Gonzalez, S., Levine, J. M., Badgley, B. L., Ducoté, J. M., Silver, G. M., ... Lavelly, J. A. (2009). Pregabalin as an adjunct to phenobarbital, potassium bromide, or a combination of phenobarbital and potassium bromide for treatment of dogs with suspected idiopathic epilepsy. <i>Journal of the American Veterinary Medical Association</i>, 235(12), 1442–1449. https://doi.org/10.2460/javma.235.12.1442</p>	<p>Cornell University; Dewey</p>
00754A	<p>Dhawan, D., Ramos-Vara, J. A., Stewart, J. C., Zheng, R., & Knapp, D. W. (2009). Canine invasive transitional cell carcinoma cell lines: In vitro tools to complement a relevant animal model of invasive urinary bladder cancer. <i>Urologic Oncology: Seminars and Original Investigations</i>, 27(3), 284–292. https://doi.org/10.1016/j.urolonc.2008.02.015</p>	<p>Purdue University; Knapp</p>
00976	<p>Fossey, S. L., Liao, A. T., McCleese, J. K., Bear, M. D., Lin, J., Li, P.-K., ... London, C. A. (2009). Characterization of STAT3 activation and expression in canine and human osteosarcoma. <i>BMC Cancer</i>, 9(1). https://doi.org/10.1186/1471-2407-9-81</p>	<p>The Ohio State University; London</p>
00640	<p>Greer, K. A., Schatzberg, S. J., Porter, B. F., Jones, K. A., Famula, T. R., & Murphy, K. E. (2009). Heritability and transmission analysis of necrotizing meningoencephalitis in the Pug. <i>Research in Veterinary Science</i>, 86(3), 438–442. https://doi.org/10.1016/j.rvsc.2008.10.002</p>	<p>Texas A&M University; Greer</p>
00652-A	<p>Henn, J. B., Gabriel, M. W., Kasten, R. W., Brown, R. N., Koehler, J. E., MacDonald, K. A., ... Chomel, B. B. (2009). Infective Endocarditis in a Dog and the Phylogenetic Relationship of the Associated “<i>Bartonella rochalimae</i>” Strain with Isolates from Dogs, Gray Foxes, and a Human. <i>Journal of Clinical Microbiology</i>, 47(3), 787–790. https://doi.org/10.1128/JCM.01351-08</p>	<p>University of California, Davis; Chomel</p>

00652-A	Henn, Jennifer B., Chomel, B. B., Boulouis, H.-J., Kasten, R. W., Murray, W. J., Bar-Gal, G. K., ... Baneth, G. (2009). <i>Bartonella rochalimae</i> in Raccoons, Coyotes, and Red Foxes. <i>Emerging Infectious Diseases</i> , 15(12), 1984–1987. https://doi.org/10.3201/eid1512.081692	University of California, Davis; Chomel
00986-A	Heuberger, R. A., & Glassman, K. D. (2009). Survey of dietary patterns and health in community dwelling canines. <i>Journal of Animal Physiology and Animal Nutrition</i> , 93(2), 143–144. https://doi.org/10.1111/j.1439-0396.2009.00921.5.x	Central Michigan University; Heuberger
00906-A	Kennerly, E. M., Idaghdour, Y., Olby, N. J., Munana, K. R., & Gibson, G. (2009). Pharmacogenetic association study of 30 genes with phenobarbital drug response in epileptic dogs: <i>Pharmacogenetics and Genomics</i> , 19(12), 911–922. https://doi.org/10.1097/FPC.0b013e3283307cba	North Carolina State University; Gibson
00705-A	Leblanc, A. K., Jakoby, B. W., Townsend, D. W., & Daniel, G. B. (2009). ¹⁸ F FDG-PET Pet Imaging in Canine Lymphoma and Cutaneous Mast Cell Tumor. <i>Veterinary Radiology & Ultrasound</i> , 50(2), 215–223. https://doi.org/10.1111/j.1740-8261.2009.01520.x	University of Tennessee; LeBlanc
00997-A	Ledbetter, E. C., Hornbuckle, W. E., & Dubovi, E. J. (2009). Virologic survey of dogs with naturally acquired idiopathic conjunctivitis. <i>Journal of the American Veterinary Medical Association</i> , 235(8), 954–959. https://doi.org/10.2460/javma.235.8.954	Cornell University; Ledbetter
01005-A	Leppik, I. E., Patterson, E., Hardy, B., & Cloyd, J. C. (2009). Canine status epilepticus: Proof of principle studies. <i>Epilepsia</i> , 50, 14–15. https://doi.org/10.1111/j.1528-1167.2009.02362.x	University of Minnesota; Patterson
00678	Lin, T.-Y., Thomas, R., Tsai, P.-C., Breen, M., & London, C. A. (2009). Generation and characterization of novel canine malignant mast cell line CL1. <i>Veterinary Immunology and Immunopathology</i> , 127(1–2), 114–124. https://doi.org/10.1016/j.vetimm.2008.09.027	The Ohio State University; London
00795-A	Lister, S. A., Roush, J. K., Renberg, W. C., & Stephens, C. L. (2009). Ground reaction force analysis of unilateral coxofemoral denervation for the treatment of canine hip dysplasia. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 22(02), 137–141. https://doi.org/10.3415/VCOT-08-02-0024	Kansas State University; Lister

00369-A	Lunn, M. O., & Wright, S. J. (2009). Imaging the Zona Pellucida of Canine and Feline Oocytes Using Scanning Electron Microscopy. <i>Microscopy and Microanalysis</i> , 15(01), 2–14. https://doi.org/10.1017/S1431927609090084	University of Dayton; Wright
0002220	March, P. A., Coates, J. R., Abyad, R. J., Williams, D. A., O’Brien, D. P., Olby, N. J., ... Oglesbee, M. (2009). Degenerative Myelopathy in 18 Pembroke Welsh Corgi Dogs. <i>Vet Pathol</i> , 10.	Texas A&M University; Coates
00752	Nicholas, T. J., Cheng, Z., Ventura, M., Mealey, K., Eichler, E. E., & Akey, J. M. (2008). The genomic architecture of segmental duplications and associated copy number variants in dogs. <i>Genome Research</i> , 19(3), 491–499. https://doi.org/10.1101/gr.084715.108	University of Washington; Akey
00700-A	Oyama, M. A., Chittur, S. V., & Reynolds, C. A. (2009). Decreased Triadin and Increased Calstabin2 Expression in Great Danes with Dilated Cardiomyopathy. <i>Journal of Veterinary Internal Medicine</i> , 23(5), 1014–1019. https://doi.org/10.1111/j.1939-1676.2009.0360.x	University of Pennsylvania; Oyama
0001268	Parker, H. G., VonHoldt, B. M., Quignon, P., Margulies, E. H., Shao, S., Moshier, D. S., ... Ostrander, E. A. (2009). An Expressed Fgf4 Retrogene Is Associated with Breed-Defining Chondrodysplasia in Domestic Dogs. <i>Science</i> , 325(5943), 995–998. https://doi.org/10.1126/science.1173275	Fred Hutchinson Cancer Research Center; Ostrander
01220-A	Petersen, C. A. (2009). Leishmaniasis, an Emerging Disease Found in Companion Animals in the United States. <i>Topics in Companion Animal Medicine</i> , 24(4), 182–188. https://doi.org/10.1053/j.tcam.2009.06.006	Iowa State University; Petersen
01159-A	Petersen, C. A. (2009). New Means of Canine Leishmaniasis Transmission in North America: The Possibility of Transmission to Humans Still Unknown. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2009, 1–5. https://doi.org/10.1155/2009/802712	Iowa State University; Petersen
01159-A	Petersen, C. A., & Barr, S. C. (2009). Canine Leishmaniasis in North America: Emerging or Newly Recognized? <i>Veterinary Clinics of North America: Small Animal Practice</i> , 39(6), 1065–1074. https://doi.org/10.1016/j.cvsm.2009.06.008	Iowa State University; Petersen

0001808A	<p>Quignon, P., Schoenebeck, J. J., Chase, K., Parker, H. G., Mosher, D. S., Johnson, G. S., ... Ostrander, E. A. (2009). Fine Mapping a Locus Controlling Leg Morphology in the Domestic Dog. <i>Cold Spring Harbor Symposia on Quantitative Biology</i>, 74(0), 327–333. https://doi.org/10.1101/sqb.2009.74.009</p>	<p>Fred Hutchinson Cancer Research Center; Ostrander</p>
0002214T	<p>Rebbeck, C. A., Thomas, R., Breen, M., Leroi, A. M., & Burt, A. (2009). Origins and evolution of a transmissible cancer. <i>Evolution</i>, 63(9), 2340–2349. https://doi.org/10.1111/j.1558-5646.2009.00724.x</p>	<p>North Carolina State University; Breen</p>
00248	<p>Rose, S. A., Adin, C. A., Ellison, G. W., Sereda, C. W., & Archer, L. L. (2009). Long-Term Efficacy of a Percutaneously Adjustable Hydraulic Urethral Sphincter for Treatment of Urinary Incontinence in Four Dogs. <i>Veterinary Surgery</i>, 38(6), 747–753. https://doi.org/10.1111/j.1532-950X.2009.00560.x</p>	<p>University of Florida; Ellison</p>
0002303	<p>Scansen, B. A., Meurs, K. M., Spier, A. W., Koplitz, S., & Baumwart, R. D. (2009). Temporal Variability of Ventricular Arrhythmias in Boxer Dogs with Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Journal of Veterinary Internal Medicine</i>, 23(5), 1020–1024. https://doi.org/10.1111/j.1939-1676.2009.0366.x</p>	<p>The Ohio State University; Meurs</p>
01099	<p>Schatzberg, S. J., Li, Q., Porter, B. F., Barber, R. M., Claiborne, M. K., Levine, J. M., ... Tong, S. (2009). Broadly Reactive Pan-Paramyxovirus Reverse Transcription Polymerase Chain Reaction and Sequence Analysis for the Detection of <i>Canine Distemper Virus</i> in a Case of Canine Meningoencephalitis of Unknown Etiology. <i>Journal of Veterinary Diagnostic Investigation</i>, 21(6), 844–849. https://doi.org/10.1177/104063870902100613</p>	<p>University of Georgia; Schatzberg</p>
00372	<p>Sharkey, L., Gjevre, K., Hegstad-Davies, R., Torres, S., & Muñoz-Zanzi, C. (2009). Breed-associated variability in serum biochemical analytes in four large-breed dogs. <i>Veterinary Clinical Pathology</i>, 38(3), 375–380. https://doi.org/10.1111/j.1939-165X.2009.00134.x</p>	<p>University of Minnesota; Davies</p>
01054-A	<p>Stoica, G., Lungu, G., Martini-STOICA, H., Waghela, S., Levine, J., & Smith, R. (2009). Identification of Cancer Stem Cells in Dog Glioblastoma. <i>Veterinary Pathology</i>, 46(3), 391–406. https://doi.org/10.1354/vp.08-VP-0218-S-FL</p>	<p>Texas A&M University; Stoica</p>
00422	<p>Tamburini, B. A., Trapp, S., Phang, T. L., Schappa, J. T., Hunter, L. E., & Modiano, J. F. (2009). Gene Expression Profiles of Sporadic Canine Hemangiosarcoma Are Uniquely Associated with Breed. <i>PLoS ONE</i>, 4(5), e5549. https://doi.org/10.1371/journal.pone.0005549</p>	<p>University of Colorado Cancer Center; Bellgrau</p>

00403	<p>Thomas, R., Duke, S. E., Wang, H. J., Breen, T. E., Higgins, R. J., Linder, K. E., ... Breen, M. (2009). 'Putting our heads together': insights into genomic conservation between human and canine intracranial tumors. <i>Journal of Neuro-Oncology</i>, 94(3), 333–349. https://doi.org/10.1007/s11060-009-9877-5</p>	North Carolina State University; Breen
0002214T	<p>Thomas, R., Rebbeck, C., Leroi, A. M., Burt, A., & Breen, M. (2009). Extensive conservation of genomic imbalances in canine transmissible venereal tumors (CTVT) detected by microarray-based CGH analysis. <i>Chromosome Research</i>, 17(7), 927–934. https://doi.org/10.1007/s10577-009-9080-8</p>	North Carolina State University; Breen
0002254A	<p>Thomas, R., Wang, H. J., Tsai, P.-C., Langford, C. F., Fosmire, S. P., Jubala, C. M., ... Breen, M. (2009). Influence of genetic background on tumor karyotypes: evidence for breed-associated cytogenetic aberrations in canine appendicular osteosarcoma. <i>Chromosome Research</i>, 17(3), 365–377. https://doi.org/10.1007/s10577-009-9028-z</p>	University of Minnesota; Modiano
00718-A	<p>Usher, S. G., Radford, A. D., Villiers, E. J., & Blackwood, L. (2009). RAS, FLT3, and C-KIT mutations in immunophenotyped canine leukemias. <i>Experimental Hematology</i>, 37(1), 65–77. https://doi.org/10.1016/j.exphem.2008.09.005</p>	University of Liverpool; Blackwood
00247	<p>Wilke, V. L., Zhang, S., Evans, R. B., Conzemius, M. G., & Rothschild, M. F. (2009). Identification of chromosomal regions associated with cranial cruciate ligament rupture in a population of Newfoundlands. <i>American Journal of Veterinary Research</i>, 70(8), 1013–1017. https://doi.org/10.2460/ajvr.70.8.1013</p>	Iowa State University; Rothschild
00763	<p>Wilkie, D. A., & Colitz, C. M. (2009). Update on veterinary cataract surgery: <i>Current Opinion in Ophthalmology</i>, 20(1), 61–68. https://doi.org/10.1097/ICU.0b013e32831a98aa</p>	The Ohio State University; Wilkie
00570-A	<p>Wong, A. K., & Neff, M. W. (2009). <i>DOGSET</i> : pre-designed primer sets for fine-scale mapping and DNA sequence interrogation in the dog. <i>Animal Genetics</i>, 40(4), 569–571. https://doi.org/10.1111/j.1365-2052.2009.01875.x</p>	University of California, Davis; Neff
00640	<p>Young, B. D., Levine, J. M., Fosgate, G. T., de Lahunta, A., Flegel, T., Matiasek, K., ... Schatzberg, S. J. (2009). Magnetic Resonance Imaging Characteristics of Necrotizing Meningoencephalitis in Pug Dogs. <i>Journal of Veterinary Internal Medicine</i>, 23(3), 527–535. https://doi.org/10.1111/j.1939-1676.2009.0306.x</p>	Texas A&M University; Greer

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. <i>Veterinary Clinics of North America: Small Animal Practice</i> , 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. <i>American Journal of Veterinary Research</i> , 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. <i>Cytogenetic and Genome Research</i> , 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. <i>Cytogenetic and Genome Research</i> , 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. <i>Chromosome Research</i> , 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. <i>Journal of Veterinary Internal Medicine</i> , 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. <i>The Canadian Journal of Veterinary Research</i> , 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. <i>Neurogenetics</i> , 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. <i>The Veterinary Journal</i> , 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. <i>Applied Animal Behaviour Science</i> , 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. <i>Journal of Veterinary Internal Medicine</i> , 22(1), 89–95. https://doi.org/10.1111/j.1939-1676.2007.0018.x	North Carolina State University; Breitschwerdt
0002336	Fitzgerald, S. D., Rumbelha, 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. <i>Journal of Veterinary Diagnostic Investigation</i> , 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. <i>The AAPS Journal</i> , 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. <i>Journal of the American Veterinary Medical Association</i> , 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. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 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 <i>Leishmania infantum</i> infection in two sibling foxhounds due to possible vertical transmission. <i>The Canadian Veterinary Journal = La Revue Veterinaire Canadienne</i> , 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 <i>Bartonella</i> infection and idiopathic rhinitis in dogs. <i>Journal of the American Veterinary Medical Association</i> , 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. <i>Phylogenomics. Methods in Molecular Biology</i> , 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. <i>Nature Reviews Genetics</i> , 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., & Narfstrom, K. (2008). Retinal Pathology in a Canine Model of Late Infantile Neuronal Ceroid Lipofuscinosis. <i>Investigative Ophthalmology & Visual Science</i> , 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. <i>Journal of Veterinary Internal Medicine</i> , 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. <i>The Veterinary Journal</i> , 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. <i>Veterinary Record</i> , 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. <i>Xenobiotica</i> , 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. <i>Journal of Veterinary Internal Medicine</i> , 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. <i>American Journal of Veterinary Research</i> , 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. <i>Journal of Veterinary Cardiology</i> , 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 DNMT1 mutation is highly associated with the syndrome of exercise-induced collapse. <i>Nature Genetics</i> , 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. <i>The American Journal of Human Genetics</i> , 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. <i>Mammalian Genome</i> , 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. <i>Cytogenetic and Genome Research</i> , 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

2007 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
00228T	Baumwart, R. D., Orvalho, J., & Meurs, K. M. (2007). Evaluation of serum cardiac troponin I concentration in Boxers with arrhythmogenic right ventricular cardiomyopathy. <i>American Journal of Veterinary Research</i> , 68(5), 524–528. https://doi.org/10.2460/ajvr.68.5.524	Washington State University; Meurs
00878-A	Boggs, R. M., Moody, J. A., Long, C. R., Tsai, K. L., & Murphy, K. E. (2007). Identification, amplification and characterization of miR-17-92 from canine tissue. <i>Gene</i> , 404(1–2), 25–30. https://doi.org/10.1016/j.gene.2007.08.015	Texas A&M University; Tsai
00754B	Cadiou, E., & Ostrander, E. A. (2007). Canine Genetics Offers New Mechanisms for the Study of Human Cancer. <i>Cancer Epidemiology Biomarkers & Prevention</i> , 16(11), 2181–2183. https://doi.org/10.1158/1055-9965.EPI-07-2667	National Human Genome Research Institute; Ostrander
00821	Coates, J. R., March, P. A., Oglesbee, M., Ruaux, C. G., Olby, N. J., Berghaus, R. D., ... Williams, D. A. (2007). Clinical Characterization of a Familial Degenerative Myelopathy in Pembroke Welsh Corgi Dogs. <i>Journal of Veterinary Internal Medicine</i> , 21, 1323–1331	University of Missouri, Columbia; Coates
0001270	Davidson, A. G., Bell, R. J., Lees, G. E., Kashtan, C. E., Davidson, G. S., & Murphy, K. E. (2007). Genetic Cause of Autosomal Recessive Hereditary Nephropathy in the English Cocker Spaniel. <i>Journal of Veterinary Internal Medicine</i> , 21, 394–401. https://doi.org/10.1111/j.1939-1676.2007.tb02981.x	Texas A&M University; Lees
00237	Duncan, A. W., Maggi, R. G., & Breitschwerdt, E. B. (2007). <i>Bartonella</i> DNA in Dog Saliva. <i>Emerging Infectious Diseases</i> , 13(12), 1948–1950. https://doi.org/10.3201/eid1312.070653	North Carolina State University; Breitschwerdt
0002434	Ferguson, D. C. (2007). Testing for Hypothyroidism in Dogs. <i>Veterinary Clinics of North America: Small Animal Practice</i> , 37(4), 647–669. https://doi.org/10.1016/j.cvsm.2007.05.015	University of Georgia; Ferguson

0001626	Fosmire, S. P., Thomas, R., Jubala, C. M., Wojcieszyn, J. W., Valli, V. E. O., Getzy, D. M., ... Modiano, J. F. (2007). Inactivation of the p16 Cyclin-Dependent Kinase Inhibitor in High-Grade Canine Non-Hodgkin's T-Cell Lymphoma. <i>Veterinary Pathology</i> , 44(4), 467–478. https://doi.org/10.1354/vp.44-4-467	Texas A&M University; Modiano
00695-A	Frank, L. A. (2007). Oestrogen receptor antagonist and hair regrowth in dogs with hair cycle arrest (alopecia X). <i>Veterinary Dermatology</i> , 18(1), 63–66. https://doi.org/10.1111/j.1365-3164.2007.00559.x	University of Tennessee; Frank
0002416	Fransson, B. A., Lagerstedt, A.-S., Bergstrom, A., Hagman, R., Park, J. S., Chew, B. P., ... Ragle, C. A. (2007). C-reactive protein, tumor necrosis factor α , and interleukin-6 in dogs with pyometra and SIRS. <i>Journal of Veterinary Emergency and Critical Care</i> , 17(4), 373–381. https://doi.org/10.1111/j.1476-4431.2006.00203.x	Washington State University; Fransson
00584-A	Grider, A., Mouat, M. F., Mauldin, E. A., & Casal, M. L. (2007). Analysis of the liver soluble proteome from Bull Terriers affected with inherited lethal acrodermatitis. <i>Molecular Genetics and Metabolism</i> , 92(3), 249–257. https://doi.org/10.1016/j.ymgme.2007.07.003	University of Georgia; Grider
00652-A	Henn, J. B., Gabriel, M. W., Kasten, R. W., Brown, R. N., Theis, J. H., Foley, J. E., & Chomel, B. B. (2007). Gray Foxes (<i>Urocyon cinereoargenteus</i>) as a Potential Reservoir of a <i>Bartonella clarridgeiae</i> -Like Bacterium and Domestic Dogs as Part of a Sentinel System for Surveillance of Zoonotic Arthropod-Borne Pathogens in Northern California. <i>Journal of Clinical Microbiology</i> , 45(8), 2411–2418. https://doi.org/10.1128/JCM.02539-06	University of California, Davis; Chomel
00373A	Karlsson, E. K., Baranowska, I., Wade, C. M., Salmon Hillbertz, N. H. C., Zody, M. C., Anderson, N., ... Lindblad-Toh, K. (2007). Efficient mapping of mendelian traits in dogs through genome-wide association. <i>Nature Genetics</i> , 39(11), 1321–1328. https://doi.org/10.1038/ng.2007.10	Broad Institute; Lindblad- Toh
00198	Katz, M. L., Sanders, D. N., Mooney, B. P., & Johnson, G. S. (2007). Accumulation of glial fibrillary acidic protein and histone H4 in brain storage bodies of Tibetan Terriers with hereditary neuronal ceroid lipofuscinosis. <i>Journal of Inherited Metabolic Disease</i> , 30(6), 952–963. https://doi.org/10.1007/s10545-007-0683-y	University of Missouri, Columbia; Katz
0002447	Kennedy, L. J., Barnes, A., Short, A., Brown, J. J., Seddon, J., Fleeman, L., ... Ollier, W. E. R. (2007). Canine DLA diversity: 3. Disease studies. <i>Tissue Antigens</i> , 69, 292–296. https://doi.org/10.1111/j.1399-0039.2006.00781.x	University of Alaska, Fairbanks; Happ

00272	<p>Kisseberth, W. C., Nadella, M. V. P., Breen, M., Thomas, R., Duke, S. E., Murahari, S., ... Rosol, T. J. (2007). A novel canine lymphoma cell line: A translational and comparative model for lymphoma research. <i>Leukemia Research</i>, 31(12), 1709–1720. https://doi.org/10.1016/j.leukres.2007.04.003</p>	The Ohio State University; Kisseberth
00667-A	<p>Kustritz, M. V. R., & Hess, M. (2007). Effect of administration of prostaglandin F2alpha or presence of an estrous teaser bitch on characteristics of the canine ejaculate. <i>Theriogenology</i>, 67(2), 255–258. https://doi.org/10.1016/j.theriogenology.2006.07.009</p>	University of Minnesota; Root-Kustritz
0001407	<p>Licht, B. G., Lin, S., Luo, Y., Hyson, L. L., Licht, M. H., Harper, K. M., ... Johnston, E. V. (2007). Clinical characteristics and mode of inheritance of familial focal seizures in Standard Poodles. <i>Journal of the American Veterinary Medical Association</i>, 231(10), 1520–1528. https://doi.org/10.2460/javma.231.10.1520</p>	Florida State University; Licht
0002025	<p>Lin, P.-Y., Fosmire, S. P., Park, S.-H., Park, J.-Y., Baksh, S., Modiano, J. F., & Weiss, R. H. (2007). Attenuation of PTEN increases p21 stability and cytosolic localization in kidney cancer cells: a potential mechanism of apoptosis resistance. <i>Molecular Cancer</i>, 14.</p>	University of Wisconsin, Madison; Helfand
00812-A	<p>Mausberg, E.-M., Drögemüller, C., Dolf, G., Leeb, T., Rüfenacht, S., & Welle, M. (2007). Evaluation of the <i>CTSL2</i> Gene as a Candidate Gene For Alopecia X in Pomeranians and Keeshonden. <i>Animal Biotechnology</i>, 18(4), 291–296. https://doi.org/10.1080/10495390701547461</p>	University of Bern; Leeb
0002667	<p>Modiano, J. F., Breen, M., Valli, V. E. O., Wojcieszyn, J. W., & Cutter, G. R. (2007). Predictive value of p16 or Rb inactivation in a model of naturally occurring canine non-Hodgkin's lymphoma. <i>Leukemia</i>, 21(1), 184–187. https://doi.org/10.1038/sj.leu.2404392</p>	North Carolina State University; Breen
0002405	<p>Muir, P., Manley, P. A., & Hao, Z. (2007). COL-3 inhibition of collagen fragmentation in ruptured cranial cruciate ligament explants from dogs with stifle arthritis. <i>The Veterinary Journal</i>, 174(2), 403–406. https://doi.org/10.1016/j.tvjl.2006.07.007</p>	University of Wisconsin, Madison; Muir
00741	<p>Muir, P., Oldenhoff, W. E., Hudson, A. P., Manley, P. A., Schaefer, S. L., Markel, M. D., & Hao, Z. (2007). Detection of DNA from a range of bacterial species in the knee joints of dogs with inflammatory knee arthritis and associated degenerative anterior cruciate ligament rupture. <i>Microbial Pathogenesis</i>, 42(2–3), 47–55. https://doi.org/10.1016/j.micpath.2006.10.002</p>	University of Wisconsin, Madison; Muir

00685-A	Orton, S. M., Arasu, P., & Hammerberg, B. (2007). A novel gene from <i>Brugia</i> sp. that encodes a cytotoxic fatty acid binding protein allergen recognized by canine monoclonal IgE and serum IgE from infected dogs. <i>Journal of Parasitology</i> , 93(6), 1378–1387. https://doi.org/10.1645/GE-1217.1	North Carolina State University; Hammerberg
00754B	Quignon, P., Herbin, L., Cadieu, E., Kirkness, E. F., Hédan, B., Mosher, D. S., ... Hitte, C. (2007). Canine Population Structure: Assessment and Impact of Intra-Breed Stratification on SNP-Based Association Studies. <i>PLoS ONE</i> , 2(12), e1324. https://doi.org/10.1371/journal.pone.0001324	National Human Genome Research Institute; Ostrander
0002465T	Romansik, E. M., Reilly, C. M., Kass, P. H., Moore, P. F., & London, C. A. (2007). Mitotic Index Is Predictive for Survival for Canine Cutaneous Mast Cell Tumors. <i>Veterinary Pathology</i> , 44(3), 335–341. https://doi.org/10.1354/vp.44-3-335	The Ohio State University; London
00373A	Salmon Hillbertz, N. H. C., Isaksson, M., Karlsson, E. K., Hellmén, E., Pielberg, G. R., Savolainen, P., ... Andersson, G. (2007). Duplication of FGF3, FGF4, FGF19 and ORAOV1 causes hair ridge and predisposition to dermoid sinus in Ridgeback Dogs. <i>Nature Genetics</i> , 39(11), 1318–1320. https://doi.org/10.1038/ng.2007.4	Broad Institute; Lindblad-Toh
0001808A	Sargan, D. R., Aguirre-Hernandez, J., Galibert, F., & Ostrander, E. A. (2007). An Extended Microsatellite Set for Linkage Mapping in the Domestic Dog. <i>Journal of Heredity</i> , 98(3), 221–231. https://doi.org/10.1093/jhered/esm006	Fred Hutchinson Cancer Research Center; Ostrander
00567-A	Sargan, David R., Withers, D., Pettitt, L., Squire, M., Gould, D. J., & Mellersh, C. S. (2007). Mapping the Mutation Causing Lens Luxation in Several Terrier Breeds. <i>Journal of Heredity</i> , 98(5), 534–538. https://doi.org/10.1093/jhered/esm029	University of Cambridge; Sargan
00326-A	Schmutz, S. M., & Berryere, T. G. (2007). Genes affecting coat colour and pattern in domestic dogs: a review: Coat colour genes in dogs. <i>Animal Genetics</i> , 38(6), 539–549. https://doi.org/10.1111/j.1365-2052.2007.01664.x	University of Saskatchewan; Schmutz
00329-A	Starr, A. N., Famula, T. R., Markward, N. J., Baldwin, J. V., Fowler, K. D., Klumb, D. E., ... Murphy, K. E. (2007). Hereditary Evaluation of Multiple Developmental Abnormalities in the Havanese Dog Breed. <i>Journal of Heredity</i> , 98(5), 510–517. https://doi.org/10.1093/jhered/esm049	Texas A&M University; Murphy

00696-A	Sura, P. A., Tobias, K. M., Morandi, F., Daniel, G. B., & Echandi, R. L. (2007). Comparison of ^{99m} TcO ₄ ⁻ Trans-Splenic Portal Scintigraphy with Per-Rectal Portal Scintigraphy for Diagnosis of Portosystemic Shunts in Dogs. <i>Veterinary Surgery</i> , 36(7), 654–660. https://doi.org/10.1111/j.1532-950X.2007.00317.x	University of Tennessee; Echandi
0001808A	Sutter, N. B., Bustamante, C. D., Chase, K., Gray, M. M., Zhao, K., Zhu, L., ... Ostrander, E. A. (2007). A Single IGF1 Allele Is a Major Determinant of Small Size in Dogs. <i>Science</i> , 316(5821), 112–115. https://doi.org/10.1126/science.1137045	Fred Hutchinson Cancer Research Center; Ostrander
00339-A	Taylor, K. H., Smith, A. N., Higginbotham, M., Schwartz, D. D., Carpenter, D. M., & Whitley, E. M. (2007). Expression of vascular endothelial growth factor in canine oral malignant melanoma. <i>Veterinary and Comparative Oncology</i> , 5(4), 208–218. https://doi.org/10.1111/j.1476-5829.2007.00130.x	Auburn University; Taylor
0002214T	Thomas, R., Duke, S. E., Bloom, S. K., Breen, T. E., Young, A. C., Feiste, E., ... Breen, M. (2007). A Cytogenetically Characterized, Genome-Anchored 10-Mb BAC Set and CGH Array for the Domestic Dog. <i>Journal of Heredity</i> , 98(5), 474–484. https://doi.org/10.1093/jhered/esm053	North Carolina State University; Breen
00754B	Wayne, R. K., & Ostrander, E. A. (2007). Lessons learned from the dog genome. <i>Trends in Genetics</i> , 23(11), 557–567. https://doi.org/10.1016/j.tig.2007.08.013	National Human Genome Research Institute; Ostrander

2006 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
0002219	Allenspach, K., Vaden, S. L., Harris, T. S., Gröne, A., Doherr, M. G., Griot-Wenk, M. E., ... Gaschen, F. (2006). Evaluation of colonoscopic allergen provocation as a diagnostic tool in dogs with proven food hypersensitivity reactions. <i>Journal of Small Animal Practice</i> , 47(1), 21–26. https://doi.org/10.1111/j.1748-5827.2006.00007.x	North Carolina State University; Vaden
00198	Awano, T., Katz, M. L., O'Brien, D. P., Sohar, I., Lobel, P., Coates, J. R., ... Johnson, G. S. (2006). A frame shift mutation in canine TPP1 (the ortholog of human CLN2) in a juvenile Dachshund with neuronal ceroid lipofuscinosis. <i>Molecular Genetics and Metabolism</i> , 89(3), 254–260. https://doi.org/10.1016/j.ymgme.2006.02.016	University of Missouri, Columbia; Katz
00198	Awano, T., Katz, M. L., O'Brien, D. P., Taylor, J. F., Evans, J., Khan, S., ... Johnson, G. S. (2006). A mutation in the cathepsin D gene (CTSD) in American Bulldogs with neuronal ceroid lipofuscinosis. <i>Molecular Genetics and Metabolism</i> , 87(4), 341–348. https://doi.org/10.1016/j.ymgme.2005.11.005	University of Missouri, Columbia; Katz
0002250	Backus, R. C., Ko, K. S., Fascetti, A. J., Kittleson, M. D., MacDonald, K. A., Maggs, D. J., ... Rogers, Q. R. (2006). Low Plasma Taurine Concentration in Newfoundland Dogs is Associated with Low Plasma Methionine and Cyst(e)ine Concentrations and Low Taurine Synthesis. <i>The Journal of Nutrition</i> , 136(10), 2525–2533. https://doi.org/10.1093/jn/136.10.2525	University of California, Davis; Backus
0002044	Brömel, C., Samii, V. F., Davidson, A. P., & Nelson, R. W. (2006). <i>Comparison of ultrasonographic characteristics of the thyroid gland in healthy small-, medium-, and large-breed dogs</i> . 67(1), 8.	University of California, Davis; Nelson
00366	Brunelle, M., Sartin, E. A., Wolfe, L. G., Sirois, J., & Doré, M. (2006). Cyclooxygenase-2 Expression in Normal and Neoplastic Canine Mammary Cell Lines. <i>Veterinary Pathology</i> , 43(5), 656–666. https://doi.org/10.1354/vp.43-5-656	University of Montreal; Dore
00338-A	Frank, L. A., Donnell, R. L., & Kania, S. A. (2006). Oestrogen receptor evaluation in Pomeranian dogs with hair cycle arrest (alopecia X) on melatonin supplementation. <i>Veterinary Dermatology</i> , 17(4), 252–258. https://doi.org/10.1111/j.1365-3164.2006.00520.x	University of Tennessee; Frank

0001270	Greer, K. A., Higgins, M. A., Cox, M. L., Ryan, T. P., Berridge, B. R., Kashtan, C. E., ... Murphy, K. E. (2006). Gene expression analysis in a canine model of X-linked Alport syndrome. <i>Mammalian Genome</i> , 17(9), 976–990. https://doi.org/10.1007/s00335-005-0179-8	Texas A&M University; Lees
0002447	Kennedy, L. J., Huson, H. J., Leonard, J., Angles, J. M., Fox, L. E., Wojciechowski, J. W., ... Happ, G. M. (2006). Association of hypothyroid disease in Doberman Pinscher dogs with a rare major histocompatibility complex DLA class II haplotype. <i>Tissue Antigens</i> , 67(1), 53–56. https://doi.org/10.1111/j.1399-0039.2005.00518.x	University of Alaska, Fairbanks; Happ
0002447	Kennedy, L. J., Quarmby, S., Happ, G. M., Barnes, A., Ramsey, I. K., Dixon, R. M., ... Ollier, W. E. R. (2006). Association of canine hypothyroidism with a common major histocompatibility complex DLA class II allele. <i>Tissue Antigens</i> , 68(1), 82–86. https://doi.org/10.1111/j.1399-0039.2006.00614.x	University of Alaska, Fairbanks; Happ
00678	Lin, T., Rush, L. J., & London, C. A. (2006). Generation and characterization of bone marrow-derived cultured canine mast cells. <i>Veterinary Immunology and Immunopathology</i> , 113(1–2), 37–52. https://doi.org/10.1016/j.vetimm.2006.03.024	The Ohio State University; London
00678	Lin, T.-Y., & London, C. A. (2006). A functional comparison of canine and murine bone marrow derived cultured mast cells. <i>Veterinary Immunology and Immunopathology</i> , 114(3–4), 320–334. https://doi.org/10.1016/j.vetimm.2006.09.001	The Ohio State University; London
00276	Liu, W., Hackett, S. R., Cruickshank, J., Vikstrom, K. L., Moise, N. S., & Gunn, T. M. (2006). Canine microsatellites associated with genes implicated in cardiac development and function. <i>Animal Genetics</i> , 37(1), 87–88. https://doi.org/10.1111/j.1365-2052.2005.01410.x	Cornell University; Moise
00369-A	Lunn, M., & Wright, S. (2006). Analysis of the Ultrastructure of the Canine Zona Pellucida. <i>Microscopy and Microanalysis</i> , 12(S02), 270–271. https://doi.org/10.1017/S1431927606066281	University of Dayton; Wright
00582-A	Mellersh, C. S., Pettitt, L., Forman, O. P., Vaudin, M., & Barnett, K. C. (2006). Identification of mutations in HSF4 in dogs of three different breeds with hereditary cataracts. <i>Veterinary Ophthalmology</i> , 9(5), 369–378. https://doi.org/10.1111/j.1463-5224.2006.00496.x	Animal Health Trust; Mellersh

00228	Meurs, K. M., Lacombe, V. A., Dryburgh, K., Fox, P. R., Reiser, P. R., & Kittleson, M. D. (2006). Differential expression of the cardiac ryanodine receptor in normal and arrhythmogenic right ventricular cardiomyopathy canine hearts. <i>Human Genetics</i> , 120(1), 111–118. https://doi.org/10.1007/s00439-006-0193-2	The Ohio State University; Meurs
0002667	Modiano, J. F., Breen, M., Lana, S. E., Ehrhart, N., Fosmire, S. P., Thomas, R., ... Bellgrau, D. (2006). Naturally occurring translational models for development of cancer gene therapy. <i>Gene Therapy and Molecular Biology</i> , 10, 31–40. https://www.researchgate.net/publication/228751703_Naturally_occurring_translational_models_for_development_of_cancer_gene_therapy	North Carolina State University; Breen
0002405	Muir, P., Manley, P. A., & Hao, Z. (2006). Collagen fragmentation in ruptured canine cranial cruciate ligament explants. <i>The Veterinary Journal</i> , 172(1), 121–128. https://doi.org/10.1016/j.tvjl.2005.03.012	University of Wisconsin, Madison; Muir
0002226	Oberbauer, A., Bell, J., Belanger, J., & Famula, T. (2006). Genetic evaluation of Addison's disease in the Portuguese Water Dog. <i>BMC Veterinary Research</i> , 2(15), 7. https://doi.org/doi:10.1186/1746-6148-2-15	University of California, Davis; Oberbauer
00360-A	Oyama, M. A., & Chittur, S. V. (2006). Genomic expression patterns of mitral valve tissues from dogs with degenerative mitral valve disease. <i>American Journal of Veterinary Research</i> , 67(8), 1307–1318. https://doi.org/10.2460/ajvr.67.8.1307	University of Illinois; Oyama
0001268	Parker, H. G., Meurs, K. M., & Ostrander, E. A. (2006). Finding cardiovascular disease genes in the dog. <i>Journal of Veterinary Cardiology</i> , 8(2), 115–127. https://doi.org/10.1016/j.jvc.2006.04.002	Fred Hutchinson Cancer Research Center; Ostrander
0001252	Raghavan, M., Glickman, N. W., & Glickman, L. T. (2006). The Effect of Ingredients in Dry Dog Foods on the Risk of Gastric Dilatation-Volvulus in Dogs. <i>Journal of the American Animal Hospital Association</i> , 42(1), 28–36. https://doi.org/10.5326/0420028	Purdue University; Glickman
00247	Wilke, V. L., Conzemius, M. G., Kinghorn, B. P., Macrossan, P. E., Cai, W., & Rothschild, M. F. (2006). Inheritance of rupture of the cranial cruciate ligament in Newfoundlands. <i>Journal of the American Veterinary Medical Association</i> , 228(1), 61–64. https://doi.org/10.2460/javma.228.1.61	Iowa State University; Rothschild

00325-A Young, A. E., Ryun, J. R., & Bannasch, D. L. (2006). Deletions in the COL10A1 gene are not associated with skeletal changes in dogs. *Mammalian Genome*, 17(7), 761–768.
<https://doi.org/10.1007/s00335-005-0163-3>

University of
California,
Davis; Bannasch

2005 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
0001656	Alroy, J., Rush, J. E., & Sarkar, S. (2005). Infantile dilated cardiomyopathy in Portuguese water dogs: Correlation of the autosomal recessive trait with low plasma taurine at infancy. <i>Amino Acids</i> , 28(1), 51–56. https://doi.org/10.1007/s00726-004-0149-6	Tufts University; Alroy
0001629	Angles, J. M., Famula, T. R., & Pedersen, N. C. (2005). Uveodermatologic (VKH-like) syndrome in American Akita dogs is associated with an increased frequency of DQA1*00201. <i>Tissue Antigens</i> , 66(6), 656–665. https://doi.org/10.1111/j.1399-0039.2005.00508.x	University of California, Davis; Pedersen
0001432	Angles, J. M., Kennedy, L. J., & Pedersen, N. C. (2005). Frequency and distribution of alleles of canine MHC-II DLA-DQB1, DLA-DQA1 and DLA-DRB1 in 25 representative American Kennel Club breeds. <i>Tissue Antigens</i> , 66(3), 173–184. https://doi.org/10.1111/j.1399-0039.2005.00461.x	University of California, Davis; Pedersen
0002032	Bannasch, D. L., Bannasch, M. J., Ryun, J. R., Famula, T. R., & Pedersen, N. C. (2005). Y chromosome haplotype analysis in purebred dogs. <i>Mammalian Genome</i> , 16(4), 273–280. https://doi.org/10.1007/s00335-004-2435-8	University of California, Davis; Bannasch
0002405	Barrett, J. G., Hao, Z., Graf, B. K., Kaplan, L. D., Heiner, J. P., & Muir, P. (2005). Inflammatory changes in ruptured canine cranial and human anterior cruciate ligaments. <i>American Journal of Veterinary Research</i> , 66(12), 2073–2080. https://doi.org/10.2460/ajvr.2005.66.2073	University of Wisconsin, Madison; Muir
0002002	Baumwart, R. D., & Meurs, K. M. (2005). Assessment of plasma brain natriuretic peptide concentration in Boxers with arrhythmogenic right ventricular cardiomyopathy. <i>American Journal of Veterinary Research</i> , 66(12), 2086–2089. https://doi.org/10.2460/ajvr.2005.66.2086	The Ohio State University; Meurs
0002002	Baumwart, R. D., Meurs, K. M., Atkins, C. E., Bonagura, J. D., DeFrancesco, T. C., Keene, B. W., ... Spier, A. W. (2005). Clinical, echocardiographic, and electrocardiographic abnormalities in Boxers with cardiomyopathy and left ventricular systolic dysfunction: 48 cases (1985-2003). <i>Journal of the American Veterinary Medical Association</i> , 226(7), 1102–1104. https://doi.org/10.2460/javma.2005.226.1102	The Ohio State University; Meurs

0002044	Bromel, C., Pollard, R. E., Kass, P. H., Samii, V. F., Davidson, A. P., & Nelson, R. W. (2005). <i>Ultrasonographic Evaluation of the Thyroid Gland in Healthy, Hypothyroid, and Euthyroid Golden Retrievers with Nonthyroidal Illness</i> . 8.	University of California, Davis; Nelson
0001870	Cargill, E. J., Famula, T. R., Schnabel, R. D., Strain, G. M., & Murphy, K. E. (2005). The color of a Dalmatian's spots: Linkage evidence to support the TYRP1 gene. <i>BMC Veterinary Research</i> , 1(1), 3. https://www.ncbi.nlm.nih.gov/pubmed/16045797	Texas A&M University; Murphy
00294-A	Clark, L. A., Credille, K. M., Murphy, K. E., & Rees, C. A. (2005). Linkage of dermatomyositis in the Shetland Sheepdog to chromosome 35. <i>Veterinary Dermatology</i> , 16(6), 392–394. https://doi.org/10.1111/j.1365-3164.2005.00469.x	Texas A&M University; Rees
00454	Clark, L. A., Wahl, J. M., Steiner, J. M., Zhou, W., Ji, W., Famula, T. R., ... Murphy, K. E. (2005). Linkage analysis and gene expression profile of pancreatic acinar atrophy in the German Shepherd Dog. <i>Mammalian Genome</i> , 16(12), 955–962. https://doi.org/10.1007/s00335-005-0076-1	Texas A&M University; Murphy
0002628	Culp, L. B., Skarda, R. T., & Muir III, W. W. (2005). Comparisons of the effects of acupuncture, electroacupuncture, and transcutaneous cranial electrical stimulation on the minimum alveolar concentration of isoflurane in dogs. <i>American Journal of Veterinary Research</i> , 66(8), 1364–1370. https://doi.org/10.2460/ajvr.2005.66.1364	The Ohio State University; Skarda
0001626	Dickerson, E. B., Thomas, R., Fosmire, S. P., Lamerato-Kozicki, A. R., Bianco, S. R., Wojcieszyn, J. W., ... Modiano, J. F. (2005). Mutations of Phosphatase and Tensin Homolog Deleted from Chromosome 10 in Canine Hemangiosarcoma. <i>Veterinary Pathology</i> , 42(5), 618–632. https://doi.org/10.1354/vp.42-5-618	Texas A&M University; Modiano
0002036	Evans, J., Katz, M. L., Levesque, D., Shelton, G. D., de Lahunta, A., & O'Brien, D. (2005). A Variant Form of Neuronal Ceroid Lipofuscinosis in American Bulldogs. <i>Journal of Veterinary Internal Medicine</i> , 19, 44–51. https://doi.org/10.1111/j.1939-1676.2005.tb02657.x	University of Missouri, Columbia; Katz
0001808A	Hitte, C., Madeoy, J., Kirkness, E. F., Priat, C., Lorentzen, T. D., Senger, F., ... Galibert, F. (2005). Facilitating genome navigation: survey sequencing and dense radiation-hybrid gene mapping. <i>Nature Reviews Genetics</i> , 6(8), 643–648. https://doi.org/10.1038/nrg1658	Fred Hutchinson Cancer Research Center; Ostrander

0001626	Jubala, C. M., Wojcieszyn, J. W., Valli, V. E. O., Getzy, D. M., Fosmire, S. P., Coffey, D., ... Modiano, J. F. (2005). CD20 Expression in Normal Canine B Cells and in Canine non-Hodgkin Lymphoma. <i>Veterinary Pathology</i> , 42(4), 468–476. https://doi.org/10.1354/vp.42-4-468	Texas A&M University; Modiano
0002036	Katz, M. L., Khan, S., Awano, T., Shahid, S. A., Siakotos, A. N., & Johnson, G. S. (2005). A mutation in the CLN8 gene in English Setter dogs with neuronal ceroid-lipofuscinosis. <i>Biochemical and Biophysical Research Communications</i> , 327(2), 541–547. https://doi.org/10.1016/j.bbrc.2004.12.038	University of Missouri, Columbia; Katz
00198	Katz, M. L., Narfstrom, K., Johnson, G. S., & O'Brien, D. P. (2005). Assessment of retinal function and characterization of lysosomal storage body accumulation in the retinas and brains of Tibetan Terriers with ceroid-lipofuscinosis. <i>American Journal of Veterinary Research</i> , 66(1), 67–76. https://doi.org/10.2460/ajvr.2005.66.67	University of Missouri, Columbia; Katz
0001268	Lindblad-Toh, K., Wade, C. M., Mikkelsen, T. S., Karlsson, E. K., Jaffe, D. B., Kamal, M., ... Broad Sequencing Platform members. (2005). Genome sequence, comparative analysis and haplotype structure of the domestic dog. <i>Nature</i> , 438(7069), 803–819. https://doi.org/10.1038/nature04338	Fred Hutchinson Cancer Research Center; Ostrander
0001626	Modiano, J. F., Breen, M., Burnett, R. C., Parker, H. G., Inusah, S., Thomas, R., ... Avery, A. C. (2005). Distinct B-Cell and T-Cell Lymphoproliferative Disease Prevalence among Dog Breeds Indicates Heritable Risk. <i>Cancer Research</i> , 65(13), 5654–5661. https://doi.org/10.1158/0008-5472.CAN-04-4613	Texas A&M University; Modiano
0002405	Muir, P., Danova, N. A., Argyle, D. J., Manley, P. A., & Hao, Z. (2005). Collagenolytic Protease Expression in Cranial Cruciate Ligament and Stifle Synovial Fluid in Dogs with Cranial Cruciate Ligament Rupture. <i>Veterinary Surgery</i> , 34(5), 482–490. https://doi.org/10.1111/j.1532-950X.2005.00073.x	University of Wisconsin, Madison; Muir
0002405	Muir, P., Schamberger, G. M., Manley, P. A., & Hao, Z. (2005). Localization of Cathepsin K and Tartrate-Resistant Acid Phosphatase in Synovium and Cranial Cruciate Ligament in Dogs with Cruciate Disease. <i>Veterinary Surgery</i> , 34(3), 239–246. https://doi.org/10.1111/j.1532-950X.2005.00036.x	University of Wisconsin, Madison; Muir
0001808A	Murphy, W. J. (2005). Dynamics of Mammalian Chromosome Evolution Inferred from Multispecies Comparative Maps. <i>Science</i> , 309(5734), 613–617. https://doi.org/10.1126/science.1111387	Fred Hutchinson Cancer Research Center; Ostrander

0001845	O'Brien, D. P. (2005). Genetic Mapping of Canine Multiple System Degeneration and Ectodermal Dysplasia Loci. <i>Journal of Heredity</i> , 96(7), 727–734. https://doi.org/10.1093/jhered/esi086	University of Missouri, Columbia; Johnson
0001729	Patterson, E. E., Armstrong, P. J., O'Brien, D. P., Roberts, M. C., Johnson, G. S., & Mickelson, J. R. (2005). Clinical description and mode of inheritance of idiopathic epilepsy in English Springer Spaniels. <i>Journal of the American Veterinary Medical Association</i> , 226(1), 54–58. https://doi.org/10.2460/javma.2005.226.54	University of Minnesota; Mickelson
0002105	Raghavan, M., Knapp, D. W., Bonney, P. L., Dawson, M. H., & Glickman, L. T. (2005). Evaluation of the effect of dietary vegetable consumption on reducing risk of transitional cell carcinoma of the urinary bladder in Scottish Terriers. <i>Journal of the American Veterinary Medical Association</i> , 227(1), 94–100. https://doi.org/10.2460/javma.2005.227.94	Purdue University; Knapp
0002631	Schatzberg, S. J., Haley, N. J., Barr, S. C., de Lahunta, A., & Sharp, N. J. H. (2005). Polymerase chain reaction screening for DNA viruses in paraffin-embedded brains from dogs with necrotizing meningoencephalitis, necrotizing leukoencephalitis, and granulomatous meningoencephalitis. <i>Journal of Veterinary Internal Medicine</i> , 19(4), 553–559. https://doi.org/10.1111/j.1939-1676.2005.tb02726.x	Cornell University; Barr
0001268	Seddon, J. M., Parker, H. G., Ostrander, E. A., & Ellegren, H. (2005). SNPs in ecological and conservation studies: a test in the Scandinavian wolf population. <i>Molecular Ecology</i> , 14(2), 503–511. https://doi.org/10.1111/j.1365-294X.2005.02435.x	Fred Hutchinson Cancer Research Center; Ostrander
0002214	Thomas, R. (2005). Construction of a 2-Mb resolution BAC microarray for CGH analysis of canine tumors. <i>Genome Research</i> , 15(12), 1831–1837. https://doi.org/10.1101/gr.3825705	Animal Health Trust; Breen
000249	Thomson, S. A. M., Kennerly, E., Olby, N., Mickelson, J. R., Hoffmann, D. E., Dickinson, P. J., ... Breen, M. (2005). Microarray Analysis of Differentially Expressed Genes of Primary Tumors in the Canine Central Nervous System. <i>Veterinary Pathology</i> , 42(5), 550–558. https://doi.org/10.1354/vp.42-5-550	North Carolina State University; Breen
0001607	Wallace, M. R., MacKay, E. O., Gelatt, K. N., & Andrew, S. E. (2005). Inheritance of cataract in the Bichon Frise. <i>Veterinary Ophthalmology</i> , 8(3), 203–205. https://doi.org/10.1111/j.1463-5224.2005.00359.x	University of Florida; Gelatt

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Wilke, V. L., Conzemius, M. C., & Rothschild, M. F. (2005). SNP detection and association analyses of candidate genes for rupture of the cranial cruciate ligament in the dog: Brief note. *Animal Genetics*, 36(6), 519–521. <https://doi.org/10.1111/j.1365-2052.2005.01355.x>

Iowa State University;
Rothschild

2004 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
0002025	Akhtar, N., Padilla, M. L., Dickerson, E. B., Steinberg, H., Breent, M., Auerbach, R., & Helfand, S. C. (2004). Interleukin-12 Inhibits Tumor Growth in a Novel Angiogenesis Canine Hemangiosarcoma Xenograft Model. <i>Neoplasia</i> , 6(2), 106–116. https://doi.org/10.1593/neo.03334	University of Wisconsin, Madison; Helfand
0002020	Bannasch, D. L., Ling, G. V., Bea, J., & Famula, T. R. (2004). Inheritance of Urinary Calculi in the Dalmatian. <i>Journal of Veterinary Internal Medicine</i> , 18, 483–487. https://www.ncbi.nlm.nih.gov/pubmed/15320584	University of California, Davis; Bannasch
0002020	Bannasch, D. L., Ryun, J. R., Bannasch, M. J., Schaible, R. H., Breen, M., & Ling, G. (2004). Exclusion of galectin 9 as a candidate gene for hyperuricosuria in the Dalmatian dog. <i>Animal Genetics</i> , 35(4), 326–328. https://doi.org/10.1111/j.1365-2052.2004.01154.x	University of California, Davis; Bannasch
0001428	Basso, C., Fox, P. R., Meurs, K. M., Towbin, J. A., Spier, A. W., Calabrese, F., ... Thiene, G. (2004). Arrhythmogenic Right Ventricular Cardiomyopathy Causing Sudden Cardiac Death in Boxer Dogs: A New Animal Model of Human Disease. <i>Circulation</i> , 109(9), 1180–1185. https://doi.org/10.1161/01.CIR.0000118494.07530.65	The Ohio State University; Meurs
0002214T	Breen, M., Hitte, C., Lorentzen, T. D., Thomas, R., Cadieu, E., Sabacan, L., ... Ostrander, E. A. (2004). An integrated 4249 marker FISH/RH map of the canine genome. <i>BMC Genomics</i> , 5(65), 11. https://doi.org/10.1186/1471-2164-5-65	North Carolina State University; Breen
0001270	Burkholder, W. J., Lees, G. E., LeBlanc, A. K., Slater, M. R., Bauer, J. E., Kashtan, C. E., ... Hannah, S. S. (2004). Diet Modulates Proteinuria in Heterozygous Female Dogs with X-Linked Hereditary Nephropathy. <i>Journal of Veterinary Internal Medicine</i> , 18, 165–175. https://www.ncbi.nlm.nih.gov/pubmed/15058767	Texas A&M University; Lees
0001870	Cargill, E. J. (2004). Heritability and Segregation Analysis of Deafness in U.S. Dalmatians. <i>Genetics</i> , 166(3), 1385–1393. https://doi.org/10.1534/genetics.166.3.1385	Texas A&M University; Murphy

0001870	Cargill, E.J., Schnabel, R. D., & Murphy, K. E. (2004). Assignment of Canine MSS1 Microsatellite Markers to Chromosomes by Linkage Data. <i>DNA Sequence</i> , 15(3), 209–212. https://doi.org/10.1080/10425170410001704490	Texas A&M University; Murphy
0001808A	Clark, L. A., Tsai, K. L., Steiner, J. M., Williams, D. A., Guerra, T., Ostrander, E. A., ... Murphy, K. E. (2004). Chromosome-specific microsatellite multiplex sets for linkage studies in the domestic dog. <i>Genomics</i> , 84(3), 550–554. https://doi.org/10.1016/j.ygeno.2004.06.006	Fred Hutchinson Cancer Research Center; Ostrander
0001808A	Comstock, K. E., Lingaas, F., Kirkness, E. F., Hitte, C., Thomas, R., Breen, M., ... Ostrander, ElaineA. (2004). A high-resolution comparative map of canine Chromosome 5q14.3-q33 constructed utilizing the 1.5x canine genome sequence. <i>Mammalian Genome</i> , 15(7). https://doi.org/10.1007/s00335-004-2365-5	Fred Hutchinson Cancer Research Center; Ostrander
0002620	Davainis, G. M., Meurs, K. M., & Wright, N. A. (2004). The Relationship of Resting S-T Segment Depression to the Severity of Subvalvular Aortic Stenosis and the Presence of Ventricular Premature Complexes in the Dog. <i>Journal of the American Animal Hospital Association</i> , 40(1), 20–23. https://doi.org/10.5326/0400020	The Ohio State University; Meurs
0002667	Fosmire, S. P., Dickerson, E. B., Scott, A. M., Bianco, S. R., Pettengill, M. J., Meylemans, H., ... Modiano, J. F. (2004). Canine malignant hemangiosarcoma as a model of primitive angiogenic endothelium. <i>Laboratory Investigation</i> , 84(5), 562–572. https://doi.org/10.1038/labinvest.3700080	North Carolina State University; Breen
0002416	Fransson, B. A., Karlstam, E., Bergstrom, A., Lagerstedt, A.-S., Park, J. S., Evans, M. A., & Ragle, C. A. (2004). C-reactive Protein in the Differentiation of Pyometra From Cystic Endometrial Hyperplasia/Mucometra in Dogs. <i>Journal of the American Animal Hospital Association</i> , 40(5), 391–399. https://doi.org/10.5326/0400391	Washington State University; Fransson
0001808B	Galibert, F., André, C., & Hitte, C. (2004). [Dog as a mammalian genetic model] Le chien, un modèle pour la génétique des mammifères. <i>médecine/sciences</i> , 20(8–9), 761–766. https://doi.org/10.1051/medsci/2004208-9761	CNRS - University of Rennes; Galibert
0002105	Glickman, L. T., Raghavan, M., Knapp, D. W., Bonney, P. L., & Dawson, M. H. (2004). Herbicide exposure and the risk of transitional cell carcinoma of the urinary bladder in Scottish Terriers. <i>Journal of the American Veterinary Medical Association</i> , 224(8), 1290–1297. https://doi.org/10.2460/javma.2004.224.1290	Purdue University; Knapp

0002448	Hendrickson, J. A., Wu, J. T., Hitte, C., Galibert, F., Mickelson, J. R., & Rutherford, M. S. (2004). Radiation hybrid and comparative mapping of 83 canine brain ESTs. <i>Animal Genetics</i> , 35(5), 414–417. https://doi.org/10.1111/j.1365-2052.2004.01174.x	University of Minnesota; Mickelson
0001614	Housley, D. J. E., Ritzert, E., & Venta, P. J. (2004). Comparative radiation hybrid map of canine chromosome 1 incorporating SNP and indel polymorphisms <i>Genomics</i> , 84(2), 248–264. https://doi.org/10.1016/j.ygeno.2004.04.001	Michigan State University; Venta
0002336	Jones, K. E., Dashfield, K., Downend, A. B., & Otto, C. M. (2004). Search-and-rescue dogs: an overview for veterinarians. <i>Journal of the American Veterinary Medical Association</i> , 225(6), 854–860. https://doi.org/10.2460/javma.2004.225.854	University of Pennsylvania; Otto
0002667	Kennerly, E., Thomson, S., Olby, N., Breen, M., & Gibson, G. (2004). Comparison of regional gene expression differences in the brains of the domestic dog and human. <i>Human Genomics</i> , 1(6), 435. https://doi.org/10.1186/1479-7364-1-6-435	North Carolina State University; Breen
0001270	Lees, G. E. (2004). Early diagnosis of renal disease and renal failure. <i>Veterinary Clinics of North America: Small Animal Practice</i> , 34(4), 867–885. https://doi.org/10.1016/j.cvsm.2004.03.004	Texas A&M University; Lees
0001428	Meurs, K. M. (2004). Boxer dog cardiomyopathy: an update. <i>Veterinary Clinics of North America: Small Animal Practice</i> , 34(5), 1235–1244. https://doi.org/10.1016/j.cvsm.2004.05.003	The Ohio State University; Meurs
00022113	Odders, J. W., Jessen, C. R., & Lipowitz, A. J. (2004). Sequential measurements of the tibial plateau angle in large-breed, growing dogs. <i>American Journal of Veterinary Research</i> , 65(4), 513–518. https://doi.org/10.2460/ajvr.2004.65.513	University of Minnesota; Lipowitz
0002636	Olby, N., Blot, S., Thibaud, J.-L., Phillips, J., O'Brien, D. P., Burr, J., ... Breen, M. (2004). Cerebellar Cortical Degeneration in Adult American Staffordshire Terriers. <i>Journal of Veterinary Internal Medicine</i> , 18, 201–208. https://www.ncbi.nlm.nih.gov/pubmed/15058771	North Carolina State University; Olby

0002336	Otto, C. M., Downend, A. B., Serpell, J. A., Ziemer, L. S., & Saunders, H. M. (2004). Medical and behavioral surveillance of dogs deployed to the World Trade Center and the Pentagon from October 2001 to June 2002. <i>Journal of the American Veterinary Medical Association</i> , 225(6), 861–867. https://doi.org/10.2460/javma.2004.225.861	University of Pennsylvania; Otto
0001268	Parker, H. G. (2004). Genetic Structure of the Purebred Domestic Dog. <i>Science</i> , 304(5674), 1160–1164. https://doi.org/10.1126/science.1097406	Fred Hutchinson Cancer Research Center; Ostrander
0001252	Raghavan, M., Glickman, N., McCabe, G., Lantz, G., & Glickman, L. T. (2004). Diet-Related Risk Factors for Gastric Dilatation-Volvulus in Dogs of High-Risk Breeds. <i>Journal of the American Animal Hospital Association</i> , 40(3), 192–203. https://doi.org/10.5326/0400192	Purdue University; Glickman
0002336	Slensky, K. A., Drobatz, K. J., Downend, A. B., & Otto, C. M. (2004). Deployment morbidity among search-and-rescue dogs used after the September 11, 2001, terrorist attacks. <i>Journal of the American Veterinary Medical Association</i> , 225(6), 868–873. https://doi.org/10.2460/javma.2004.225.868	University of Pennsylvania; Otto
0002303	Spier, A. W., & Meurs, K. M. (2004). Assessment of heart rate variability in Boxers with arrhythmogenic right ventricular cardiomyopathy. <i>Journal of the American Veterinary Medical Association</i> , 224(4), 534–537. https://doi.org/10.2460/javma.2004.224.534	The Ohio State University; Meurs
0001268	Sutter, N. B., Eberle, M. A., Parker, H. G., Pullar, B. J., Kirkness, E. F., Kruglyak, L., & Ostrander, E. A. (2004). Extensive and breed-specific linkage disequilibrium in <i>Canis familiaris</i> . <i>Genome Research</i> , 14(12), 2388–2396. https://doi.org/10.1101/gr.3147604	Fred Hutchinson Cancer Research Center; Ostrander
0001268	Werner, P., Raducha, M. G., Shin, D., Ostrander, E. A., Kirkness, E., Patterson, D. F., & Henthorn, P. S. (2004). Assignment of 10 canine genes to the canine linkage and comparative maps. <i>Animal Genetics</i> , 35(3), 249–251. https://doi.org/10.1111/j.1365-2052.2004.01123.x	Fred Hutchinson Cancer Research Center; Ostrander
0002448	Wu, J. T., Hendrickson, J. A., Yi, Y., George, A. L., Henthorn, P. S., Hitte, C., ... Mickelson, J. R. (2004). Radiation hybrid and comparative mapping of 38 canine heart ESTs. <i>Animal Genetics</i> , 35(5), 420–421. https://doi.org/10.1111/j.1365-2052.2004.01181.x	University of Minnesota; Mickelson

2003 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
0002250	Backus, R. C., Cohen, G., Pion, P. D., Good, K. L., Rogers, Q. R., & Fascetti, A. J. (2003). Taurine deficiency in Newfoundlands fed commercially available complete and balanced diets. <i>Journal of the American Veterinary Medical Association</i> , 223(8), 1130–1136. https://doi.org/10.2460/javma.2003.223.1130	University of California, Davis; Backus
0001626	Bianco, S. R., Sun, J., Fosmire, S. P., Hance, K., Padilla, M. L., Ritt, M. G., ... Modiano, J. F. (2003). Enhancing antimelanoma immune responses through apoptosis. <i>Cancer Gene Therapy</i> , 10(9), 726–736. https://doi.org/10.1038/sj.cgt.7700625	Texas A&M University; Modiano
0001270	Cox, M. L., Lees, G. E., Kashtan, C. E., & Murphy, K. E. (2003). Genetic cause of X-linked Alport syndrome in a family of domestic dogs. <i>Mammalian Genome</i> , 14(6), 396–403. https://doi.org/10.1007/s00335-002-2253-9	Texas A&M University; Lees
0001270	Cox, M., Quignon, P., Galibert, F., Lees, G., & E. Murphy, K. (2009). Sequencing and Radiation Hybrid Mapping of Canine Uromodulin. <i>DNA Sequence</i> , 14, 61–69. https://doi.org/10.1080/1042517021000056943	Texas A&M University; Lees
0002222	Doré, M., Lanthier, I., & Sirois, J. (2003). Cyclooxygenase-2 Expression in Canine Mammary Tumors. <i>Veterinary Pathology</i> , 40(2), 207–212. https://doi.org/10.1354/vp.40-2-207	University of Montreal; Dore
0001657T	Famula, T. R., Belanger, J. M., & Oberbauer, A. M. (2003). Heritability and complex segregation analysis of hypoadrenocorticism in the Standard Poodle. <i>Journal of Small Animal Practice</i> , 44(1), 8–12. https://doi.org/10.1111/j.1748-5827.2003.tb00096.x	University of California, Davis; Oberbauer
0001607	Gelatt, K. N., Wallace, M. R., Andrew, S. E., MacKay, E. O., & Samuelson, D. A. (2003). Cataracts in the Bichon Frise. <i>Veterinary Ophthalmology</i> , 6(1), 3–9. https://doi.org/10.1046/j.1463-5224.2003.00258.x	University of Florida; Gelatt

0001808A	Gordon, D. (2003). Establishing Appropriate Genome-Wide Significance Levels for Canine Linkage Analyses. <i>Journal of Heredity</i> , 94(1), 1–7. https://doi.org/10.1093/jhered/esg009	Fred Hutchinson Cancer Research Center; Ostrander
0001808A	Guyon, R., Lorentzen, T. D., Hitte, C., Kim, L., Cadieu, E., Parker, H. G., ... Ostrander, E. A. (2003). A 1-Mb resolution radiation hybrid map of the canine genome. <i>Proceedings of the National Academy of Sciences</i> , 100(9), 5296–5301. https://doi.org/10.1073/pnas.0831002100	Fred Hutchinson Cancer Research Center; Ostrander
0001808A	Hitte, C. (2003). Comparison of MultiMap and TSP/CONCORDE for Constructing Radiation Hybrid Maps. <i>Journal of Heredity</i> , 94(1), 9–13. https://doi.org/10.1093/jhered/esg012	Fred Hutchinson Cancer Research Center; Ostrander
0001634	Irion, D. N. (2003). Analysis of Genetic Variation in 28 Dog Breed Populations With 100 Microsatellite Markers. <i>Journal of Heredity</i> , 94(1), 81–87. https://doi.org/10.1093/jhered/esg004	University of California, Davis; Pedersen
0002429	Koplitz, S. L., Meurs, K. M., Spier, A. W., Bonagura, J. D., Fuentes, V. L., & Wright, N. A. (2003). Aortic ejection velocity in healthy Boxers with soft cardiac murmurs and Boxers without cardiac murmurs: 201 cases (1997–2001). <i>Journal of the American Veterinary Medical Association</i> , 222(6), 770–774. https://doi.org/10.2460/javma.2003.222.770	The Ohio State University; Meurs
0001808A	Lingaas, F. (2003). A mutation in the canine BHD gene is associated with hereditary multifocal renal cystadenocarcinoma and nodular dermatofibrosis in the German Shepherd dog. <i>Human Molecular Genetics</i> , 12(23), 3043–3053. https://doi.org/10.1093/hmg/ddg336	Fred Hutchinson Cancer Research Center; Ostrander
0001808B	Lowe, J. K., Guyon, R., Cox, M. L., Mitchell, D. C., Lonkar, A. L., Lingaas, F., ... Murphy, K. E. (2003). Radiation hybrid mapping of the canine type I and type IV collagen gene subfamilies. <i>Functional & Integrative Genomics</i> , 3(3), 112–116. https://doi.org/10.1007/s10142-003-0082-x	CNRS - University of Rennes; Galibert
0001840	Morris, D. O., & DeBoer, D. J. (2003). Evaluation of serum obtained from atopic dogs with dermatitis attributable to <i>Malassezia pachydermatis</i> for passive transfer of immediate hypersensitivity to that organism. <i>American Journal of Veterinary Research</i> , 64(3), 262–266. https://doi.org/10.2460/ajvr.2003.64.262	University of Pennsylvania; Morris

0001613	<p>Oberbauer, A. M. (2003). The Genetics of Epilepsy in the Belgian Tervuren and Sheepdog. <i>Journal of Heredity</i>, 94(1), 57–63. https://doi.org/10.1093/jhered/esg010</p>	University of California, Davis; Oberbauer
0002248	<p>Palmer, L. E. (2003). A Survey of Canine Expressed Sequence Tags and a Display of Their Annotations Through a Flexible Web-Based Interface. <i>Journal of Heredity</i>, 94(1), 15–22. https://doi.org/10.1093/jhered/esg003</p>	Cold Spring Harbor Laboratory; McCombie
0001729	<p>Patterson, E. E., Mickelson, J. R., Da, Y., Roberts, M. C., McVey, A. S., O'Brien, D. P., ... Armstrong, P. J. (2003). Clinical Characteristics and Inheritance of Idiopathic Epilepsy in Vizslas. <i>Journal of Veterinary Internal Medicine</i>, 17, 319–325. https://www.ncbi.nlm.nih.gov/pubmed/12774973</p>	University of Minnesota; Mickelson
0002667	<p>Philipp, U., Quignon, P., Scott, A., Rak, S., André, C., Breen, M., & Leeb, T. (2003). Assignment of the canine myosin Va gene (MYO5A) to chromosome 30q14 by fluorescence in situ hybridization and radiation hybrid mapping. <i>Cytogenetic and Genome Research</i>, 101(1), 92C-92C. https://doi.org/10.1159/000073681</p>	North Carolina State University; Breen
0002667	<p>Philipp, U., Scott, A., Quignon, P., André, C., Breen, M., & Leeb, T. (2003). Assignment of the RAB27A gene to canine chromosome 30q15.1 by fluorescence in situ hybridization and radiation hybrid mapping. <i>Cytogenetic and Genome Research</i>, 101(1), 92E. https://doi.org/10.1159/000073683</p>	North Carolina State University; Breen
0001808B	<p>Quignon, P., Kirkness, E., Cadieu, E., Touleimat, N., Guyon, R., Renier, C., ... Galibert, F. (2003). Comparison of the canine and human olfactory receptor gene repertoires. <i>Genome Biology</i>, 4(12), R80. https://doi.org/DOI: 10.1186/gb-2003-4-12-r80</p>	CNRS - University of Rennes; Galibert
0002667	<p>Rak, S. G., Drogemuller, C., Leeb, T., Quignon, P., Andre, C., & Scott, A. (2003). Chromosomal assignment of 20 candidate genes for canine congenital sensorineural deafness by FISH and RH mapping. <i>Cytogenetic and Genome Research</i>, 101(2), 130–135. https://www.ncbi.nlm.nih.gov/pubmed/14610353</p>	North Carolina State University; Breen
0002042	<p>Roberts, M. C., Hitte, C., Hendrickson, J. A., Hoffmann, D. E., Flickinger, G. H., Rutherford, M. S., ... Mickelson, J. R. (2003). Characterization and radiation hybrid mapping of expressed sequence tags from the canine brain. <i>Mammalian Genome</i>, 14(3), 203–213. https://doi.org/10.1007/s00335-002-2207-2</p>	University of Minnesota; Mickelson

0002214T	Thomas, R., Bridge, W., Benke, K., & Breen, M. (2003). Isolation and chromosomal assignment of canine genomic BAC clones representing 25 cancer-related genes. <i>Cytogenetic and Genome Research</i> , 102(1–4), 249–253. https://doi.org/10.1159/000075757	North Carolina State University; Breen
0002214T	Thomas, R., Fiegler, H., Ostrander, E. A., Galibert, F., Carter, N. P., & Breen, M. (2003). A canine cancer-gene microarray for CGH analysis of tumors. <i>Cytogenetic and Genome Research</i> , 102(1–4), 254–260. https://doi.org/10.1159/000075758	North Carolina State University; Breen
0002214T	Thomas, R., Smith, K. C., Ostrander, E. A., Galibert, F., & Breen, M. (2003). Chromosome aberrations in canine multicentric lymphomas detected with comparative genomic hybridisation and a panel of single locus probes. <i>British Journal of Cancer</i> , 89(8), 1530–1537. https://doi.org/10.1038/sj.bjc.6601275	North Carolina State University; Breen
0002667	Tiret, L., Blot, S., Kessler, J.-L., Gaillot, H., Breen, M., & Panthier, J.-J. (2003). The cnm locus, a canine homologue of human autosomal forms of centronuclear myopathy, maps to chromosome 2. <i>Human Genetics</i> , 113(4), 297–306. https://doi.org/10.1007/s00439-003-0984-7	North Carolina State University; Breen
0001844	Tobias, K. M. (2003). Determination of Inheritance of Single Congenital Portosystemic Shunts in Yorkshire Terriers. <i>Journal of the American Animal Hospital Association</i> , 39(4), 385–389. https://doi.org/10.5326/0390385	University of Tennessee; Tobias
0001870	Tsai, K. L., Guyon, R., & Murphy, K. E. (2003). Identification of isoforms and RH mapping of canine KIT. <i>Cytogenetic and Genome Research</i> , 102(1–4), 261–263. https://doi.org/10.1159/000075759	Texas A&M University; Murphy
0001252	Ward, M. P., Patronek, G. J., & Glickman, L. T. (2003). Benefits of prophylactic gastropexy for dogs at risk of gastric dilatation–volvulus. <i>Preventive Veterinary Medicine</i> , 60(4), 319–329. https://doi.org/10.1016/S0167-5877(03)00142-9	Purdue University; Glickman

2002 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
0001273	<p>Akhmedov, N. B., Baldwin, V., Zangerl, B., Kijas, J. K., Hunter, L. S., Minoofar, K. D., ... Aguirre, G. D. (2002). Cloning and Characterization of the Canine Photoreceptor Specific Cone-Rod Homeobox (CRX) Gene and Evaluation as a Candidate for Early Onset Photoreceptor Diseases in the Dog. <i>Molecular Vision</i>, 8, 79–84. http://www.molvis.org/molvis/v8/a11/</p>	Cornell University; Aguirre
0001614	<p>Brouillette, J. A., & Venta, P. J. (2002). Within-breed heterozygosity of canine single nucleotide polymorphisms identified by across-breed comparison. <i>Animal Genetics</i>, 33(6), 464–467. https://doi.org/10.1046/j.1365-2052.2002.00918.x</p>	Michigan State University; Venta
0002010	<p>Downing, S., Chien, M. B., Kass, P. H., Moore, P. F., & London, C. A. (2002). Prevalence and importance of internal tandem duplications in exons 11 and 12 of c- kit in mast cell tumors of dogs. <i>American Journal of Veterinary Research</i>, 63(12), 1718–1723. https://doi.org/10.2460/ajvr.2002.63.1718</p>	University of California, Davis; London
0002012	<p>Eggleston, M. L., Irion, D. N., Schaffer, A. L., Hughes, S. S., Draper, J. E., Robertson, K. R., ... Pedersen, N. C. (2002). PCR multiplexed microsatellite panels to expedite canine genetic disease linkage analysis. <i>Animal Biotechnology</i>, 13(2), 223–235. https://doi.org/10.1081/ABIO-120016191</p>	University of California, Davis; Eggleston
0001654	<p>Haudiquet, P. R., Marcellin-Little, D. J., & Stebbins, M. E. (2002). Use of the distomedial-proximolateral oblique radiographic view of the elbow joint for examination of the medial coronoid process in dogs. <i>American Journal of Veterinary Research</i>, 63(7), 1000–1005. https://doi.org/10.2460/ajvr.2002.63.1000</p>	North Carolina State University; Marcellin-Little
0002036	<p>Katz, M. L., Sanders, D. A., Sanders, D. N., Hansen, E. A., & Johnson, G. S. (2002). Assessment of plasma carnitine concentrations in relation to ceroid lipofuscinosis in Tibetan Terriers. <i>American Journal of Veterinary Research</i>, 63(6), 890–895. https://doi.org/10.2460/ajvr.2002.63.890</p>	University of Missouri, Columbia; Katz
0001626T	<p>Koenig, A., Bianco, S. R., Fosmire, S., Wojcieszyn, J., & Modiano, J. F. (2002). Expression and Significance of p53, Rb, p21/waf-1, p16/ink-4a, and PTEN Tumor Suppressors in Canine Melanoma. <i>Veterinary Pathology</i>, 39(4), 458–472. https://doi.org/10.1354/vp.39-4-458</p>	University of Colorado; Modiano

0001407	Licht, B. G., Licht, M. H., Harper, K. M., Lin, S., Curtin, J. J., Hyson, L. L., & Willard, K. (2002). Clinical presentations of naturally occurring canine seizures: similarities to human seizures. <i>Epilepsy & Behavior</i> , 3(5), 460–470. https://doi.org/10.1016/S1525-5050(02)00523-1	Florida State University; Licht
0001428	Meurs, K. M., Spier, A. W., Wright, N. A., Atkins, C. E., DeFrancesco, T. C., Gordon, S. G., ... Moise, N. S. (2002). Comparison of the effects of four antiarrhythmic treatments for familial ventricular arrhythmias in Boxers. <i>Journal of the American Veterinary Medical Association</i> , 221(4), 522–527. https://doi.org/10.2460/javma.2002.221.522	The Ohio State University; Meurs
0001633	Moeller, E. M., Steiner, J. M., Clark, L. A., Murphy, K. E., Famula, T. R., Williams, D. A., ... Vose, A. S. (2002). Inheritance of pancreatic acinar atrophy in German Shepherd Dogs. <i>American Journal of Veterinary Research</i> , 63(10), 1429–1434. https://doi.org/10.2460/ajvr.2002.63.1429	Texas A&M University; Williams
0001840	Morris, D. O., Clayton, D. J., Drobatz, K. J., & Felsburg, P. J. (2002). Response to <i>Malassezia pachydermatis</i> by peripheral blood mononuclear cells from clinically normal and atopic dogs. <i>American Journal of Veterinary Research</i> , 63(3), 358–362. https://doi.org/10.2460/ajvr.2002.63.358	University of Pennsylvania; Morris
0001657T	Oberbauer, A. M., Benemann, K. S., Belanger, J. M., Wagner, D. R., Ward, J. H., & Famula, T. R. (2002). Inheritance of hypoadrenocorticism in Bearded Collies. <i>American Journal of Veterinary Research</i> , 63(5), 643–647. https://doi.org/10.2460/ajvr.2002.63.643	University of California, Davis; Oberbauer
0002336	Otto, C. M., Franz, M. A., Kellogg, B., Lewis, R., Murphy, L., & Lauber, G. (2002). Field treatment of search dogs: lessons learned from the World Trade Center disaster: Field treatment of search dogs. <i>Journal of Veterinary Emergency and Critical Care</i> , 12(1), 33–41. https://doi.org/10.1046/j.1435-6935.2002.00004.x	University of Pennsylvania; Otto
0001268	Sidjanin, D. J. (2002). Canine CNGB3 mutations establish cone degeneration as orthologous to the human achromatopsia locus ACHM3. <i>Human Molecular Genetics</i> , 11(16), 1823–1833. https://doi.org/10.1093/hmg/11.16.1823	Fred Hutchinson Cancer Research Center; Ostrander
0001268	Sidjanin, D. J., Zangerl, B., Johnson, J. L., Xue, F., Mellersh, C., Ostrander, E. A., ... Aguirre, G. D. (2002). Cloning of the canine delta tubulin cDNA (TUBD) and mapping to CFA9. <i>Animal Genetics</i> , 33(2), 161–162. https://doi.org/10.1046/j.1365-2052.2002.0831d.x	Fred Hutchinson Cancer Research Center; Ostrander

2001 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
0001608B	Breen, M. (2001). Chromosome-Specific Single-Locus FISH Probes Allow Anchorage of an 1800-Marker Integrated Radiation-Hybrid/Linkage Map of the Domestic Dog Genome to All Chromosomes. <i>Genome Research</i> , 11(10), 1784–1795. https://doi.org/10.1101/gr.189401	Fred Hutchinson Cancer Research Center; Ostrander
0001808B	Christophe-Hobertus, C., Szpirer, C., Guyon, R., & Christophe, D. (2001). Identification of the gene encoding Brain Cell Membrane Protein 1 (BCMP1), a putative four-transmembrane protein distantly related to the Peripheral Myelin Protein 22 / Epithelial Membrane Proteins and the Claudins. <i>BMC Genomics</i> , 2(3). https://dx.doi.org/10.1186%2F1471-2164-2-3	CNRS - University of Rennes; Galibert
0001815	Credille, K. M., Venta, P. J., Breen, M., Lowe, J. K., Murphy, K. E., Ostrander, E. A., ... Dunstan, R. W. (2001). DNA sequence and physical mapping of the canine transglutaminase 1 gene. <i>Cytogenetic and Genome Research</i> , 93(1–2), 73–76. https://doi.org/10.1159/000056952	Texas A&M University; Credille
0001415	Hammerberg, B., Olivry, T., & Orton, S. M. (2001). Skin mast cell histamine release following stem cell factor and high-affinity immunoglobulin E receptor cross-linking in dogs with atopic dermatitis. <i>Veterinary Dermatology</i> , 12(6), 339–346. https://doi.org/10.1046/j.0959-4493.2001.00273.x	North Carolina State University; Hammerberg
0001270	Kashtan, C. E., Kim, Y., Lees, G. E., Thorner, P. S., Virtanen, I., & Miner, J. H. (2001). Abnormal Glomerular Basement Membrane Laminins in Murine, Canine, and Human Alport Syndrome. <i>Journal of the American Society of Nephrology</i> , 12(2), 252–260. https://www.ncbi.nlm.nih.gov/pubmed/11158215	Texas A&M University; Lees
0001626T	Koenig, A., Wojcieszyn, J., Weeks, B. R., & Modiano, J. F. (2001). Expression of S100a, Vimentin, NSE, and Melan A/MART-1 in Seven Canine Melanoma Cell Lines and Twenty-nine Retrospective Cases of Canine Melanoma. <i>Veterinary Pathology</i> , 38(4), 427–435. https://doi.org/10.1354/vp.38-4-427	University of Colorado; Modiano
0001660	Lingaas, F., Aarskaug, T., Gerlach, J. A., Juneja, R. K., Fredholm, M., Sampson, J., ... Dolf, G. (2001). A canine linkage map: 39 linkage groups. <i>Journal of Animal Breeding and Genetics</i> , 118(1), 3–19. https://doi.org/10.1111/j.1439-0388.2001.00270.x	Michigan State University; Gerlach

0001428	<p>Meurs, K. M., Magnon, A. L., Spier, A. W., Miller, M. W., Lehmkuhl, L. B., & Towbin, J. A. (2001). Evaluation of the cardiac actin gene in Doberman Pinschers with dilated cardiomyopathy. <i>American Journal of Veterinary Research</i>, 62(1), 33–36. https://doi.org/10.2460/ajvr.2001.62.33</p>	The Ohio State University; Meurs
0001428	<p>Meurs, K. M., Miller, M. W., & Wright, N. A. (2001). Clinical features of dilated cardiomyopathy in Great Danes and results of a pedigree analysis: 17 cases (1990-2000). <i>Journal of the American Veterinary Medical Association</i>, 218(5), 729–732. https://doi.org/10.2460/javma.2001.218.729</p>	The Ohio State University; Meurs
0001428	<p>Meurs, K. M., Spier, A. W., Wright, N. A., & Hamlin, R. L. (2001). Comparison of in-hospital versus 24-hour ambulatory electrocardiography for detection of ventricular premature complexes in mature Boxers. <i>Journal of the American Veterinary Medical Association</i>, 218(2), 222–224. https://doi.org/10.2460/javma.2001.218.222</p>	The Ohio State University; Meurs
0002002	<p>Meurs, K. M., Spier, A. W., Wright, N. A., & Hamlin, R. L. (2001). Use of ambulatory electrocardiography for detection of ventricular premature complexes in healthy dogs. <i>Journal of the American Veterinary Medical Association</i>, 218(8), 1291–1292. https://doi.org/10.2460/javma.2001.218.1291</p>	The Ohio State University; Meurs
0001808A	<p>Miller, A. B., Lowe, J. K., Ostrander, E. A., Galibert, F., & Murphy, K. E. (2001). Cloning, sequence analysis and radiation hybrid mapping of a mammalian KRT 2p gene. <i>Functional & Integrative Genomics</i>, 1(5), 305–311. https://doi.org/10.1007/s101420100038</p>	Fred Hutchinson Cancer Research Center; Ostrander
0001268	<p>Parker, H. G., Yuhua, X., Mellersh, C. S., Khan, S., Shibuya, H., Johnson, G. S., & Ostrander, E. A. (2001). Meiotic linkage mapping of 52 genes onto the canine map does not identify significant levels of microrearrangement. <i>Mammalian Genome</i>, 12(9), 713–718. https://doi.org/10.1007/s00335-001-2057-3</p>	Fred Hutchinson Cancer Research Center; Ostrander
0001268	<p>Richman, M., Mellersh, C. S., André, C., Galibert, F., & Ostrander, E. A. (2001). Characterization of a minimal screening set of 172 microsatellite markers for genome-wide screens of the canine genome. <i>Journal of Biochemical and Biophysical Methods</i>, 47(1–2), 137–149. https://doi.org/10.1016/S0165-022X(00)00160-3</p>	Fred Hutchinson Cancer Research Center; Ostrander
0001268	<p>Sidjanin, D. J., Xue, F., McElwee, J., Johnson, J. L., Holmgren, C., Mellersh, C., ... Aguirre, G. D. (2001). Cloning of canine c-tubulin (TUBG1) cDNA and mapping to CFA9. <i>Animal Genetics</i>, 32, 316–331.</p>	Fred Hutchinson Cancer Research Center; Ostrander

0002038T	<p>Thomas, R., Smith, K. C., Gould, R., Gower, S. M., Binns, M. M., & Breen, M. (2001). Molecular cytogenetic analysis of a novel high-grade canine T-lymphoblastic lymphoma demonstrating co-expression of CD3 and CD79a cell markers. <i>Chromosome Research</i>, 9, 649–657. https://doi.org/10.1023/A:1012904307579</p>	<p>North Carolina State University; Breen</p>
0001642	<p>Zemke, D., Yamini, B., & Yuzbasiyan-Gurkan, V. (2001). Characterization of an Undifferentiated Malignancy as a Mast Cell Tumor Using Mutation Analysis in the Proto-Oncogene <i>c- KIT</i>. <i>Journal of Veterinary Diagnostic Investigation</i>, 13(4), 341–345. https://doi.org/10.1177/104063870101300411</p>	<p>Michigan State University; Yuzbasiyan-Gurkan</p>
0001268	<p>Zhang, Q., Acland, G. M., Zangerl, B., Johnson, J. L., Mao, Z., Zeiss, C. J., ... Aguirre, G. D. (2001). Fine Mapping of Canine XLPRA Establishes Homology of the Human and Canine RP3 Intervals. <i>Investigative Ophthalmology & Visual Science</i>, 42(11), 2466-2471. https://www.ncbi.nlm.nih.gov/pubmed/11581184</p>	<p>Fred Hutchinson Cancer Research Center; Ostrander</p>

2000 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
0001252	Glickman, L. T., Glickman, N. W., Schellenberg, D. B., Raghavan, M., & Lee, T. L. (2000). Incidence of and breed-related risk factors for gastric dilatation-volvulus in dogs. <i>Journal of the American Veterinary Medical Association</i> , 216(1), 40–45. https://doi.org/10.2460/javma.2000.216.40	Purdue University; Glickman
0001252	Glickman, L. T., Glickman, N. W., Schellenberg, D. B., Raghavan, M., & Lee, T. (2000). Non-dietary risk factors for gastric dilatation-volvulus in large and giant breed dogs. <i>Journal of the American Veterinary Medical Association</i> , 217(10), 1492–1499. https://doi.org/10.2460/javma.2000.217.1492	Purdue University; Glickman
0001268	Jonasdottir, T. J., Mellersh, C. S., Moe, L., Heggebo, R., Gamlem, H., Ostrander, E. A., & Lingaas, F. (2000). Genetic mapping of a naturally occurring hereditary renal cancer syndrome in dogs. <i>Proceedings of the National Academy of Sciences</i> , 97(8), 4132–4137. https://doi.org/10.1073/pnas.070053397	Fred Hutchinson Cancer Research Center; Ostrander
0001268	Jónasdóttir, T. J., Mellersh, C. S., Moe, L., Vignaux, F., Ostrander, E. A., & Lingaas, F. (2000). Chromosomal assignment of canine <i>TSC 2</i> , <i>PKD 1</i> and <i>CLN 3</i> genes by radiation hybrid- and linkage analyses. <i>Animal Genetics</i> , 31(2), 123–126. https://doi.org/10.1046/j.1365-2052.2000.00601.x	Fred Hutchinson Cancer Research Center; Ostrander
0001270	Lees, G. E., Kashtan, C. E., Michael, A. F., Helman, R. G., Naito, I., Ninomiya, Y., ... Kim, Y. (2000). Expression of the $\alpha 6$ chain of type IV collagen in glomerular basement membranes of healthy adult dogs. <i>American Journal of Veterinary Research</i> , 61(1), 38–41. https://doi.org/10.2460/ajvr.2000.61.38	Texas A&M University; Lees
0001268	Mellersh, C. S., Hitte, C., Richman, M., Vignaux, F., Priat, C., Jouquand, S., ... Galibert, F. (2000). An integrated linkage-radiation hybrid map of the canine genome. <i>Mammalian Genome</i> , 11(2), 120–130. https://doi.org/10.1007/s003350010024	Fred Hutchinson Cancer Research Center; Ostrander
0001268	Ostrander, E. A. (2000). Unleashing the Canine Genome. <i>Genome Research</i> , 10(9), 1271–1274. https://doi.org/10.1101/gr.155900	Fred Hutchinson Cancer Research Center; Ostrander

0001268	Ostrander, Elaine A, Galibert, F., & Patterson, D. F. (2000). Canine genetics comes of age. <i>Trends in Genetics</i> , 16(3), 117–124. https://doi.org/10.1016/S0168-9525(99)01958-7	Fred Hutchinson Cancer Research Center; Ostrander
0001626	Ritt, M. G., Mayor, J., Wojcieszyn, J., Smith, R., Barton, C. L., & Modiano, J. F. (2000). Sustained nuclear localization of p21/WAF-1 upon growth arrest induced by contact inhibition. <i>Cancer Letters</i> , 158(1), 73–84. https://doi.org/10.1016/S0304-3835(00)00507-3	Texas A&M University; Modiano
0001873	Vaden, S. L., Hammerberg, B., Davenport, D. J., Orton, S. M., Trogdon, M. M., Melgarejo, L. T., ... Williams, D. A. (2000). Food Hypersensitivity Reactions in Soft Coated Wheaten Terriers with Protein-Losing Enteropathy or Protein-Losing Nephropathy or Both: Gastroscopic Food Sensitivity Testing, Dietary Provocation, and Fecal Immunoglobulin E. <i>Journal of Veterinary Internal Medicine</i> , 14, 60–67. https://doi.org/10.1111/j.1939-1676.2000.tb01501.x	North Carolina State University; Vaden
0001873	Vaden, S. L., Sellon, R. K., Melgarejo, L. T., Williams, D. A., Trogdon, M. M., VanCamp, S. D., & Argenzio, R. A. (2000). Evaluation of intestinal permeability and gluten sensitivity in Soft-Coated Wheaten Terriers with familial protein-losing enteropathy, protein-losing nephropathy, or both. <i>American Journal of Veterinary Research</i> , 61(5), 518–524. https://doi.org/10.2460/ajvr.2000.61.518	North Carolina State University; Vaden
0001440	Venta, P. J., Li, J., Yuzbasiyan-Gurkan, V., Brewer, G. J., & Schall, W. D. (2000). Mutation causing von Willebrand's disease in Scottish Terriers. <i>Journal of Veterinary Internal Medicine</i> , 14(1), 10–19. https://doi.org/10.1111/j.1939-1676.2000.tb01493.x	University of Michigan; Brewer
0001273	Zeiss, C. J. (2000). Mapping of X-linked progressive retinal atrophy (XLPR), the canine homolog of retinitis pigmentosa 3 (RP3). <i>Human Molecular Genetics</i> , 9(4), 531–537. https://doi.org/10.1093/hmg/9.4.531	Cornell University; Aguirre

1999 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
0001268	Acland, G. M., Ray, K., Mellersh, C. S., Langston, A. A., Rine, J., Ostrander, E. A., & Aguirre, G. D. (1999). A Novel Retinal Degeneration Locus Identified by Linkage and Comparative Mapping of Canine Early Retinal Degeneration. <i>Genomics</i> , 59(2), 134–142. https://doi.org/10.1006/geno.1999.5842	Fred Hutchinson Cancer Research Center; Ostrander
0001273	Aguirre, G. D., Baldwin, V., Weeks, K. M., Acland, G. M., & Ray, K. (1999). Frequency of the Codon 807 Mutation in the cGMP Phosphodiesterase ^N _L -Subunit Gene in Irish Setters and Other Dog Breeds with Hereditary Retinal Degeneration. <i>The Journal of Heredity</i> , 90(1), 143–147. https://www.ncbi.nlm.nih.gov/pubmed/9987922	Cornell University; Aguirre
0001273	Gu, W. (1999). Individual DNA bands obtained by RAPD analysis of canine genomic DNA often contain multiple DNA sequences. <i>Journal of Heredity</i> , 90(1), 96–98. https://doi.org/10.1093/jhered/90.1.96	Cornell University; Aguirre
0001268	Gu, W., Ray, K., Pearce-Kelling, S., Baldwin, V. J., Langston, A. A., Ray, J., ... Aguirre, G. D. (1999). Evaluation of the APOH gene as a positional candidate for prcd in dogs. <i>Investigative Ophthalmology & Visual Science</i> , 40(6), 1229–1237. https://www.ncbi.nlm.nih.gov/pubmed/10235557	Fred Hutchinson Cancer Research Center; Ostrander
0001432	Kennedy, L. J., Altet, L., Angles, J. M., Barnes, A., Carter, S. D., Francino, O., ... Wagner, J. L. (2000). Nomenclature for factors of the Dog Major Histocompatibility System (DLA), 1998: first report of the ISAG DLA Nomenclature Committee. <i>Animal Genetics</i> , 10.	University of California, Davis; Pedersen
0001268	Langston, A. A. (1999). Toward a framework linkage map of the canine genome. <i>Journal of Heredity</i> , 90(1), 7–14. https://doi.org/10.1093/jhered/90.1.7	Fred Hutchinson Cancer Research Center; Ostrander
0001270	Lees, G. E., Helman, R. G., Kashtan, C. E., Michael, A. F., Homco, L. D., Millichamp, N. J., ... Kim, Y. (1999). New form of X-linked dominant hereditary nephritis in dogs. <i>American Journal of Veterinary Research</i> , 60(3), 373–383. https://www.ncbi.nlm.nih.gov/pubmed/10188823	Texas A&M University; Lees

0001274	Lyons, L. A. (1999). Development of comparative anchor tagged sequences (CATS) for canine genome mapping. <i>Journal of Heredity</i> , 90(1), 15–26. https://doi.org/10.1093/jhered/90.1.15	National Cancer Institute; Lyons
0001428	Meurs, K. M., Spier, A. W., Miller, M. W., Lehmkuhl, L., & Towbin, J. A. (1999). Familial Ventricular Arrhythmias in Boxers. <i>Journal of Veterinary Internal Medicine</i> , 13, 437–439. https://doi.org/10.1111/j.1939-1676.1999.tb01460.x	The Ohio State University; Meurs
0001268	Neff, M. W., Broman, K. W., Mellersh, C. S., Ray, K., Acland, G. M., Aguirre, G. D., ... Rine, J. (1999). A Second-Generation Genetic Linkage Map of the Domestic Dog, <i>Canis familiaris</i> . <i>Genetics</i> , 151, 803–820. https://www.genetics.org/content/151/2/803	Fred Hutchinson Cancer Research Center; Ostrander
0001268	Ostrander, E. A., & Giniger, E. (1999). Let sleeping dogs lie? <i>Nature Genetics</i> , 23(1), 3–4. https://doi.org/10.1038/12591	Fred Hutchinson Cancer Research Center; Ostrander
0001273	Ray, K. (1999). Strategies for identification of mutations causing hereditary retinal diseases in dogs: evaluation of opsin as a candidate gene. <i>Journal of Heredity</i> , 90(1), 133–137. https://doi.org/10.1093/jhered/90.1.133	Cornell University; Aguirre
0001273	Wang, W., Acland, G. M., Ray, K., & Aguirre, G. D. (1999). Evaluation of cGMP-Phosphodiesterase (PDE) Subunits for Causal Association with Rod–Cone Dysplasia 2 (rcd2), a Canine Model of Abnormal Retinal cGMP Metabolism. <i>Experimental Eye Research</i> , 69(4), 445–453. https://doi.org/10.1006/exer.1999.0720	Cornell University; Aguirre
0001268	Wang, W., Zhang, Q., Acland, G. M., Mellersh, C., Ostrander, E. A., Ray, K., & Aguirre, G. D. (1999). Molecular characterization and mapping of canine cGMP-phosphodiesterase delta subunit (PDE6D). <i>Gene</i> , 236(2), 325–332. https://doi.org/10.1016/S0378-1119(99)00246-2	Fred Hutchinson Cancer Research Center; Ostrander
0001268	Wayne, R. K., & Ostrander, E. A. (1999). Origin, genetic diversity, and genome structure of the domestic dog. <i>BioEssays</i> , 21(3), 247–257. <a href="https://doi.org/10.1002/(SICI)1521-1878(199903)21:3<247::AID-BIES9>3.0.CO;2-Z">https://doi.org/10.1002/(SICI)1521-1878(199903)21:3<247::AID-BIES9>3.0.CO;2-Z	Fred Hutchinson Cancer Research Center; Ostrander

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000101E	Wilkie, P. J. (1999). <i>Future Dog Breeding for Genetic Soundness</i> [Report]. Retrieved from Minnesota Agricultural Experiment Station website: http://conservancy.umn.edu/handle/11299/136378	University of Minnesota; Wilkie
0001273	Zeiss, C. J., Acland, G. M., & Aguirre, G. D. (1999). Retinal Pathology of Canine X-linked Progressive Retinal Atrophy, the Locus Homologue of RP3. <i>Investigative Ophthalmology & Visual Science</i> , 40(13), 13.	Cornell University; Aguirre
0001458	Zemke, D. & Yuzbasiyan-Gurkan, V. (1999). A single nucleotide polymorphism and a (GA) _n microsatellite in intron 6 of the canine endothelin receptor B (EDNRB) gene. <i>Animal Genetics</i> , 30(5), 382–383. https://doi.org/10.1046/j.1365-2052.1999.00526.x	Michigan State University; Yuzbasiyan-Gurkan

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Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
0001268	Acland, G. M., Ray, K., Mellersh, C. S., Gu, W., Langston, A. A., Rine, J., ... Aguirre, G. D. (1998). Linkage analysis and comparative mapping of canine progressive rod-cone degeneration (prcd) establishes potential locus homology with retinitis pigmentosa (RP17) in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 95(6), 3048–3053. https://doi.org/10.1073/pnas.95.6.3048	Fred Hutchinson Cancer Research Center; Ostrander
0001273	Aguirre, G. D., Baldwin, V., Pearce-Kelling, S., & Narfstr�, K. (1998). Congenital Stationary Night Blindness in the Dog: Common Mutation in the RPE65 Gene Indicates Founder Effect. <i>Molecular Vision</i> , 4(23). https://www.ncbi.nlm.nih.gov/pubmed/9808841	Cornell University; Aguirre
0001273	Akhmedov, N. B., Piriev, N. P., Pearce-Kelling, S., Acland, G. M., Aguirre, G., & Farber, D. (1998). Canine cone transducin-γ gene and cone degeneration in the cd dog. <i>Investigative Ophthalmology & Visual Science</i> , 39, 1775–1781. https://www.ncbi.nlm.nih.gov/pubmed/9727399	Cornell University; Aguirre
0001268	Blazej, R. G., Mellersh, C. S., Cork, L. C., & Ostrander, E. A. (1998). Hereditary canine spinal muscular atrophy is phenotypically similar but molecularly distinct from human spinal muscular atrophy. <i>Journal of Heredity</i> , 89(6), 531–537. https://doi.org/10.1093/jhered/89.6.531	Fred Hutchinson Cancer Research Center; Ostrander
0001275	Chen, Y. W., Bermudez, A. J., Liu, P.-C., Nonneman, D., & Johnson, G. S. (1998). A DraIII PCR/RFLP in an intron of the emu lysosomal protective protein gene. <i>Animal Genetics</i> , 29(5), 404–405.	University of Missouri, Columbia; Johnson
0001275	Chen, Y. W., Liu, P.-C., Shibuya, H., O’Brien, D. P., Lubahn, D. B., & Johnson, G. S. (1998). Length polymorphism in a CAG-rich coding region of the canine dentatorubro-pallidoluysian atrophy (DRPLA) gene. <i>Animal Genetics</i> , 29(3), 241.	University of Missouri, Columbia; Johnson
0001275	Ganjam, K. K., Shibuya, H., Stoy, S. J., Liu, P.-C., Ganjam, V. K., Katz, M. L., & Johnson, G. S. (1998). A BstUI PCR/RFLP marker in an intron of the canine fibrillin 1 gene. <i>Animal Genetics</i> , 29(3), 240–241.	University of Missouri, Columbia; Johnson

0001252	Glickman, L., Lantz, G., Schellenberg, D., & Glickman, N. (1998). A prospective study of survival and recurrence following the acute gastric dilatation-volvulus syndrome in 136 dogs. <i>Journal of the American Animal Hospital Association</i> , 34(3), 253–259. https://doi.org/10.5326/15473317-34-3-253	Purdue University; Glickman
0001268	Graumann, M. B., DeRose, S. A., Ostrander, E. A., & Storb, R. (2008). Polymorphism analysis of four canine MHC class I genes. <i>Tissue Antigens</i> , 51(4), 374–381. https://doi.org/10.1111/j.1399-0039.1998.tb02976.x	Fred Hutchinson Cancer Research Center; Ostrander
0001273	Gu, W., & Ray, K. (1998). Detection of Single-Nucleotide Polymorphism. <i>BioTechniques</i> , 24, 836–837.	Cornell University; Aguirre
0001268	Gu, W., Acland, G. M., Langston, A. A., Ostrander, E. A., Aguirre, G. D., & Ray, K. (1998). Identification of a RAPD marker linked to progressive rod-cone degeneration in dogs. <i>Mammalian Genome</i> , 9(9), 740–744. https://doi.org/10.1007/s003359900855	Fred Hutchinson Cancer Research Center; Ostrander
0001275	Guo, Q., Shibuya, H., Nonneman, D., Liu, P.-C., Huang, T. H., & Johnson, G. S. (1998). A polymorphic (CA) _n microsatellite in the canine lecithin:cholesterol acyltransferase gene. <i>Animal Genetics</i> , 29(4), 328–329.	University of Missouri, Columbia; Johnson
0001275	Khan, S., Shibuya, H., Nonneman, D., Liu, P.-C., Huang, T. H., & Johnson, G. S. (1998). A polymorphic (TG) _n microsatellite in an intron of the canine tyrosine transaminase gene. <i>Animal Genetics</i> , 29(4), 322.	University of Missouri, Columbia; Johnson
0001270	Lees, G. E., Helman, R. G., Kashtan, C. E., Michael, A. F., Homco, L. D., Millichamp, N. J., ... Kim, Y. (1998). A model of autosomal recessive Alport syndrome in English cocker spaniel dogs. <i>Kidney International</i> , 54(3), 706–719. https://doi.org/10.1046/j.1523-1755.1998.00062.x	Texas A&M University; Lees
0001275	Liu, P.-C., Chen, Y. W., Shibuya, H., Katz, M. L., Lubahn, D. B., & Johnson, G. S. (1998). A polymorphic (GA) _n microsatellite in an intron of the canine endothelin-B receptor gene. <i>Animal Genetics</i> , 29(3), 236.	University of Missouri, Columbia; Johnson

0001275	Liu, P.-C., Chen, Y. W., Shibuya, H., Katz, M. L., Lubahn, D. B., & Johnson, G. S. (1998). Length polymorphism in a CT-rich microsatellite in an intron of the canine tyrosinase-related protein-2 gene. <i>Animal Genetics</i> , 29(4), 327.	University of Missouri, Columbia; Johnson
0001275	Liu, P.-C., Chen, Y. W., Shibuya, H., Lubahn, D. B., & Johnson, G. S. (1998). A length polymorphism in an intron of the canine polycystic kidney disease 1 gene. <i>Animal Genetics</i> , 29(4), 322–323.	University of Missouri, Columbia; Johnson
0001275	Liu, P.-C., Shibuya, H., Katz, M. L., & Johnson, G. S. (1998). A BsmFI PCR/RFLP in the canine CD19 gene. <i>Animal Genetics</i> , 29(1), 64–65.	University of Missouri, Columbia; Johnson
0001275	Liu, P.-C., Shibuya, H., Lubahn, D. B., & Johnson, G. S. (1998). A polymorphic (CT) _n microsatellite in an intron of the canine SA-hypertension gene. <i>Animal Genetics</i> , 29(1), 72.	University of Missouri, Columbia; Johnson
0001275	Liu, P.-C., Shibuya, H., Nonneman, D., Katz, M. L., & Johnson, G. S. (1998). A BseRI PCR/RFLP in an intron of the canine phenol sulfotransferase gene. <i>Animal Genetics</i> , 29(4), 329.	University of Missouri, Columbia; Johnson
0001275	Shibuya, H., Cassells, M. W., Huang, T. H., & Johnson, G. S. (1998). A polymorphic (TG) _n microsatellite in an intron of the canine angiotensin I converting enzyme gene. <i>Animal Genetics</i> , 29(1), 66–67.	University of Missouri, Columbia; Johnson
0001275	Shibuya, H., Liu, P.-C., Katz, M. L., Siakotos, A. N., Nonneman, D. J., & Johnson, G. S. (1998). Coding sequence and exon/intron organization of the canine CLN3 (batten disease) gene and its exclusion as the locus for ceroid-lipofuscinosis in English Setter Dogs. <i>Journal of Neuroscience Research</i> , 52(3), 268–275. <a href="https://doi.org/10.1002/(SICI)1097-4547(19980501)52:3<268::AID-JNR3>3.0.CO;2-B">https://doi.org/10.1002/(SICI)1097-4547(19980501)52:3<268::AID-JNR3>3.0.CO;2-B	University of Missouri, Columbia; Johnson
0001275	Shibuya, H., Liu, P.-C., O'Brien, D. P., Chen, Y. W., & Johnson, G. S. (1998). A BbvI mismatch PCR/RFLP marker for the canine huntingtin gene. <i>Animal Genetics</i> , 29(3), 239–240.	University of Missouri, Columbia; Johnson

0001275	Stoy, S. J., Sibuya, H., O'Brien, D., & Johnson, G. S. (1998). A BslI PCR/RFLP in the renin binding protein (RnBP) gene on canine chromosome X. <i>Animal Genetics</i> , 29(4),327-328.	University of Missouri, Columbia; Johnson
0001273	Zeiss, C. J, Acland, G. M., Aguirre, G. D., & Kunal Ray. (1998). TIMP-1 expression is increased in X-linked progressive retinal atrophy despite its exclusion as a candidate gene. <i>Gene</i> , 225(1-2), 67-75. https://doi.org/10.1016/S0378-1119(98)00521-6	Cornell University; Aguirre
0001273	Zeiss, C. J., Aguirre, G. D., & Ray, K. (1998). A highly polymorphic RFLP marker in the canine retinitis pigmentosa GTPase regulator (RPGR) gene. <i>Animal Genetics</i> , 29(5), 409.	Cornell University; Aguirre
0001273	Zeiss, C. J., Trepanier, L. A., Aguirre, G. D., & Ray, K. (1998). A highly conserved microsatellite in the dystrophin gene of diverse mammalian species. <i>Animal Genetics</i> , 29(3), 224-227.	Cornell University; Aguirre
0001275	Zhou, T., Nonneman, D., Shibuya, H., Khan, S., Liu, P.-C., & Johnson, G. S. (1998). An Avall PCR/RFLP in an exon of the canine gene for the beta subunit of the amiloride-sensitive sodium channel (SCNN1B). <i>Animal Genetics</i> , 29(3), 239.	University of Missouri, Columbia; Johnson
0001275	Zhou, T., Shibuya, H., Liu, P.-C., O'Brien, D. P., & Johnson, G. S. (1998). A NlaIII PCR/RFLP in an intron of the retinitis pigmentosa GTPase regulator gene (RPGR) on the canine X chromosome. <i>Animal Genetics</i> , 29(4), 330-331.	University of Missouri, Columbia; Johnson

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Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
0001268	Langston, A. A., Mellersh, C. S., Neal, C. L., Ray, K., Acland, G. M., Gibbs, M., ... Ostrander, E. A. (1997). Construction of a Panel of Canine–Rodent Hybrid Cell Lines for Use in Partitioning of the Canine Genome. <i>Genomics</i> , 46(3), 317–325. https://doi.org/10.1006/geno.1997.5009	Fred Hutchinson Cancer Research Center; Ostrander
0001268	Mellersh, C. S., Langston, A. A., Acland, G. M., Fleming, M. A., Ray, K., Wiegand, N. A., ... Ostrander, E. A. (1997). A Linkage Map of the Canine Genome. <i>Genomics</i> , 46(3), 326–336. https://doi.org/10.1006/geno.1997.5098	Fred Hutchinson Cancer Research Center; Ostrander
0001268	Ostrander, E. A., & Giniger, E. (1997). Semper Fidelis: What Man’s Best Friend Can Teach Us about Human Biology and Disease. <i>The American Journal of Human Genetics</i> , 61(3), 475–480. https://doi.org/10.1086/515522	Fred Hutchinson Cancer Research Center; Ostrander
0001252	Schaible, R. H., Ziech, J., Glickman, N. W., Schellenberg, D., Yi, Q., & Glickman, L. T. (1997). Predisposition to gastric dilatation-volvulus in relation to genetics of thoracic conformation in Irish Setters. <i>Journal of the American Animal Hospital Association</i> , 33(5), 379–383. https://doi.org/10.5326/15473317-33-5-379	Purdue University; Glickman