

# 2019 Peer-Reviewed Publications

Resulting from AKC Canine Health Foundation research grants



CHF Grant ID	APA Citation	Institution; Principal Investigator
00572-A	Agler, C. S., Friedenbergs, 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. <a href="https://doi.org/10.1016/j.vetimm.2019.01.004">https://doi.org/10.1016/j.vetimm.2019.01.004</a>	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. <a href="https://doi.org/10.1371/journal.pone.0212638">https://doi.org/10.1371/journal.pone.0212638</a>	North Carolina State University; Gookin
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. <a href="https://doi.org/10.3389/fvets.2019.00049">https://doi.org/10.3389/fvets.2019.00049</a>	University of Arizona; Bray
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> . <a href="https://doi.org/10.1016/j.theriogenology.2019.04.013">https://doi.org/10.1016/j.theriogenology.2019.04.013</a>	University of California, Davis; Meyers
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. <a href="https://doi.org/10.1186/s40575-019-0070-7">https://doi.org/10.1186/s40575-019-0070-7</a>	University of California, Davis; Oberbauer
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> . <a href="https://doi.org/10.1007/s10577-019-09606-0">https://doi.org/10.1007/s10577-019-09606-0</a>	University of California, Davis; Breen
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. <a href="https://doi.org/10.1177/0300985818819179">https://doi.org/10.1177/0300985818819179</a>	National Cancer Institute; LeBlanc

02161-A	<p>Martel, D. P., Fox, P. R., Lamb, K. E., &amp; 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. <a href="https://doi.org/10.2460/javma.254.3.373">https://doi.org/10.2460/javma.254.3.373</a></p>	The Animal Medical Center; Martel
01075-A	<p>May, E. R., Frank, L. A., &amp; Sula, M.-J. M. (2019). Description and characterization of a hair coat disorder in Schipperkes. <i>Veterinary Dermatology</i>, 30(1), 36-e10. <a href="https://doi.org/10.1111/vde.12711">https://doi.org/10.1111/vde.12711</a></p>	Iowa State University; May
02327-MOU	<p>Ontiveros, E. S., Fousse, S. L., Crofton, A. E., Hodge, T. E., Gunther-Harrington, C. T., Visser, L. C., &amp; 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. <a href="https://doi.org/10.3389/fvets.2019.00052">https://doi.org/10.3389/fvets.2019.00052</a></p>	University of California, Davis; Stern
02228-MOU	<p>Ontiveros, E. S., Hughes, S., Penedo, M. C. T., Grahn, R. A., &amp; 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. <a href="https://doi.org/10.1371/journal.pone.0212171">https://doi.org/10.1371/journal.pone.0212171</a></p>	University of California, Davis; Stern
02188-A	<p>Place, N. J., Cheraskin, J.-L., &amp; 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. <a href="https://doi.org/10.2460/javma.254.9.1067">https://doi.org/10.2460/javma.254.9.1067</a></p>	Cornell University; Place
02182-A	<p>Santoro, D., Archer, L., &amp; 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>. <a href="https://doi.org/Comparative Immunology, Microbiology and Infectious Diseases">https://doi.org/Comparative Immunology, Microbiology and Infectious Diseases</a></p>	University of California, Davis; Santoro
02321	<p>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</i>, 9(96). <a href="https://doi.org/10.3389/fonc.2019.00096">https://doi.org/10.3389/fonc.2019.00096</a></p>	University of Illinois; Fan
02162-MOU	<p>Sparks, C. R., Robertson, I., &amp; Olby, N. J. (2019). Morphometric analysis of spinal cord termination in Cavalier King Charles Spaniels. <i>Journal of Veterinary Internal Medicine</i>. 1-9. <a href="https://doi.org/10.1111/jvim.15437">https://doi.org/10.1111/jvim.15437</a></p>	North Carolina State University; Olby

02171-MOU	<p>Takada, M., Smith, L. A., Hix, J. M. L., Corner, S. M., O'Reilly, S., Kiupel, M., &amp; Yuzbasiyan-Gurkan, V. (2019). Development of an Orthotopic Intraspinal Xenograft Mouse Model of Canine Histiocytic Sarcoma and Its Use in Evaluating the Efficacy of Treatment with Dasatinib. <i>Comparative Medicine</i>, 69(1), 22–28.  <a href="http://dx.doi.org/10.30802/AALAS-CM-18-000065">http://dx.doi.org/10.30802/AALAS-CM-18-000065</a></p>	Michigan State University; Yuzbasiyan-Gurkan
01896-A	<p>Thomovsky, S. A., Chen, A. V., Deavila, D. M., &amp; Kiszonas, A. M. (2019). Serum Melatonin Values in Normal Dogs and Dogs with Seizures. <i>Journal of the American Animal Hospital Association</i>.  <a href="https://doi.org/10.5326/JAAHA-MS-6669">https://doi.org/10.5326/JAAHA-MS-6669</a></p>	Washington State University; Thomovsky
02257	<p>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>.  <a href="https://doi.org/10.1016/j.ymgme.2019.04.003">https://doi.org/10.1016/j.ymgme.2019.04.003</a></p>	University of Missouri, Columbia; Johnson
2527-E Clinician-Scientist Program	<p>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>.  <a href="https://doi.org/10.1111/vco.12459">https://doi.org/10.1111/vco.12459</a></p>	University of California, Davis; Withers
01660	<p>Zapata, I., Moraes, L. E., Fiala, E. M., Zaldivar-Lopez, S., Couto, C. G., Rowell, J. L., &amp; Alvarez, C. E. (2019). Risk-modeling of dog osteosarcoma genome scans shows individuals with Mendelian-level polygenic risk are common. <i>BMC Genomics</i>, 20(1), 226.  <a href="https://doi.org/10.1186/s12864-019-5531-6">https://doi.org/10.1186/s12864-019-5531-6</a></p>	The Research Institute at Nationwide Children's Hospital; Alvarez