

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., & Wininger, 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