

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	Cadieu, 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	Fred Hutchinson Cancer Research Center; Ostrander
00850-A	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	University of California, San Francisco; Hamilton
00276	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	Cornell University; Moise
00886-A	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	Cornell University; Dewey
00754A	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	Purdue University; Knapp
00976	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	The Ohio State University; London
00640	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	Texas A&M University; Greer
00652-A	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	University of California, Davis; Chomel

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