



In 2009, the Canine Health Foundation will make grant payments in the amount of \$2.4 million to veterinary schools and research institutions in the United States and around the world who are involved in ongoing research to better the life of all dogs. The Foundation's goal is to raise a minimum of \$2.4 million to cover this commitment. As of August 31, 2009, we have supported these important research studies in the amount of nearly \$1.6 million dollars. **Won't you help us raise the balance?** Contact your health committee liaisons about sponsoring research from your club's DAF or go online and make a secure donation today. Help us keep tails wagging!

Grant Number	Grant Recipient	Title	Grant Amount	Amount to Raise
00613	Matthew Breen, PhD NCSU	The Prognostic Significance of Chromosome Aneuploidy in Canine Lymphoma	\$113,929.00	\$44,205.00
00615B	Matthew Breen, PhD NCSU	Heritable and Sporadic Genetic Lesions in Canine Lymphoma	\$149,369.00	\$82,162.00
00741	Peter Muir, PhD University of Wisconsin	Polymicrobial Bacteria-Associated Inflammatory Stifle Arthritis / Degenerative Cranial Cruciate Ligament Rupture in Dogs	\$153,742.00	\$133,742.00
00748	Ned Patterson, DVM PhD University of MN	SNP Association Mapping for Canine Epilepsy	\$235,872.00	\$151,565.00
00762	Gary Johnson, DVM, PhD University of Missouri	The Mapping and Characterization of Canine Epilepsy Loci	\$129,600.00	\$39,671.00
00856-A	Jamie Burkitt, D.V.M. University of California, Davis	Effect of Treatment with Low Doses of Hydrocortisone on Blood Pressure and Mortality in Dogs with Septic Shock	\$12,000.00	\$10,400.00
00934	Leigh Anne Clark, PhD Clemson University	Investigation of Inherited Diseases of the German Shepherd Dog Using the SNP Array	\$139,775.00	\$68,775.00
00935A&B	Catherine Andre, PhD University of Rennes Elaine Ostrander, PhD NHGRI / NIH	Positional Cloning of Two Genes for Malignant Histiocytosis (MH) in the Bernese Mountain Dog	\$166,400.00	\$63,200.00
00945	Albert E. Jergens, DVM, PhD Iowa State University	Mucosal Gene Expression Profiles in Canine Inflammatory Bowel Disease	\$60,000.00	\$29,175.00



Grant Number	Grant Recipient	Title	Grant Amount	Amount to Raise
00947A&B	Matthew Breen, PhD NCSU Jaime Modiano, VMD, PhD University of MN	Heritable and Sporadic Genetic Lesions in Canine Osteosarcoma	\$332,355.00	\$177,755.00
00972	Cathryn Mellersh, PhD Animal Health Trust	Identification of Mutations Associated with Hereditary Cataracts in Northern Breeds	\$100,000.00	\$87,500.00
00975	Cheryl London, DVM PhD Ohio State University	Characterization and Modulation of Canine Mast Cell Derived Eicosanoids	\$34,363.00	\$17,113.00
00976	Cheryl London, DVM PhD Ohio State University	Investigating the Role of STAT3 Activation in Canine Osteosarcoma	\$44,361.00	\$14,169.00
00982	Don Bellgrau, Ph.D. ApopLogic Pharmaceuticals, LLC	Evaluation of Efficacy of Fasaret in Dogs with Osteosarcoma	\$199,692.00	\$189,692.00
01099	Scott Schatzberg, DVM PhD University of Georgia	Degenerate PCR for Detection of Viral, Bacterial, and Rickettsial Genera in Pugs and Maltese Dogs with Necrotizing and Granulomatous Meningoencephalitis	\$67,612.50	\$56,512.00
01105	Cynda Crawford, DVM PhD University of Florida	Understanding the Dynamics of Canine Influenza Virus Transmission in Dog Populations and Intervention Strategies for Reducing Transmission	\$104,220.00	\$29,995.00
01113	Timothy D. O'Brien, DVM, PhD University of Minnesota	Canine Non-Hodgkin Lymphoma: Characterization and Prognostic Value of Cancer Stem Cells	\$150,071.40	\$105,571.00
01130	Susan E. Lana, DVM Colorado State University	Measurement of Minimal Residual Disease Using Real Time PCR in Canine Lymphoma	\$83,259.00	\$62,359.00
01131	Jaime Modiano, VMD PhD University of MN	Genetic Background and the Angiogenic Phenotype in Cancer	\$254,871.00	\$48,898.00



Grant Number	Grant Recipient	Title	Grant Amount	Amount to Raise
01139	Nicola Mason, PhD University of Pennsylvania	Immune Targeting of Canine Hemangiosarcoma Using a Canine Derived Single Chain Antibody Approach	\$123,125.40	\$67,964.00
01142	Amara H. Estrada, DVM University of Florida	Cutting Balloon Valvuloplasty for Dogs with Subaortic Stenosis	\$38,433.60	\$25,933.00
01151	Paula S. Henthorn, PhD University of PA	Molecular Basis of Tricuspid Valve Dysplasia	\$98,929.80	\$86,429.00
01152	Steven W. Dow, DVM PhD Colorado State University	Liposomal Bisphosphonate Therapy for Malignant Histiocytosis	\$47,277.90	\$34,778.00
01160-A	Wilfried Mai, DVM PhD University of Pennsylvania	Development of Contrast-Enhanced Magnetic Resonance Angiography for the Diagnosis of Congenital Vascular Liver Disease in Dogs	\$12,679.00	\$8,579.00
01188-A	Michael Davis, DVM Oklahoma State University	Capacity for Respiratory-Based Thermoregulation in Brachycephalic Breeds	\$12,474.00	\$7,974.00
01231-A	Edward Breitschwerdt, DVM NCSU	Prevalence and Localization of Bartonella spp. in Vascular Tumors from Dogs	\$10,800.00	\$8,800.00
01232-A	Nicola Mason, PhD University of PA	Investigation of NF- κ B as a Therapeutic Target in Canine Lymphoma	\$12,878.57	\$11,379.00
01241-A	Cristina Gobello, DVM National University of La Plata	Detection of DNA damage in response to cooling storage in canine spermatozoa using single-cell gel electrophoresis (comet assay)	\$8,402.00	\$7,402.00



Grant Number	Grant Recipient	Title	Grant Amount	Amount to Raise
01341-A	Nate Sutter, PhD Cornell University	Sample Collection, Pedigree Analysis and Candidate Gene Screen for Protein-Losing Enteropathy in Yorkshire Terriers	\$12,722.00	\$9,622
01344-A	Kimberly A. Selting, DVM University of Missouri	Comparison of percentage of T regulatory cells in dogs with spontaneously occurring lymphoma following oral versus intravenous cyclophosphamide	\$12,852.00	\$12,352.00
01345-A	Phillip F. Solter, DVM, PhD University of Illinois	Circulating Isoforms of B-type Natriuretic Peptide and the Pathogenesis of Canine Heart Failure	\$12,740.00	\$12,740.00
01346-A	Sandra N. Koch, DVM University of MN	Genetic Basis of Sebaceous Adenitis in Dogs	\$12,960.00	\$11,960.00
01352-A	Lin Kauffman, DVM Iowa State University	Detection of Brucella canis DNA in canine urine, semen and vaginal cells via qPCR Analysis	\$12,960.00	\$10,060.00
01354-A	Ned Patterson, DVM PhD University of MN	Heritability of Calcium Oxalate Urolithiasis in Miniature Schnauzers	\$12,960.00	\$12,960.00
01355-A	Kimberly Weber, DVM University of Illinois	Expression of Vascular Endothelial markers in Canine Hemangiosarcoma and their use in Diagnostic Cytology Using Immunocytochemistry	\$5,285.52	\$4,285.00

*Special thanks to all the clubs, foundations, individuals and other organizations that have sponsored this important research.
We couldn't do it without you!!*



The Board of the Canine Health Foundation met in September and approved the following studies to benefit the health of dogs. Totalling approximately \$1 million, these projects range from cancer to cryptorchidism to autoimmune disease. CHF will begin fundraising for these projects in early 2010. We hope you will be interested in supporting this important research. Please share this information with your clubs and let us know if you need any additional information.

Please note that once a research project is approved by CHF'S Board of Directors, it is considered funded. The funding of CHF research occurs through a partnership with many alliances including but not limited to, the AKC, Nestle Purina, Clubs and the Donor Advised Funds. All grants that are approved by CHF are fully funded through the support of these alliances. The way that this works is each entity contributes to the funding of the grant; some have called this support from the other alliances "matching." For example, if a Club were interested in contributing \$5,000 to a \$50,000 grant (either from the DAF or with a cash payment), CHF would supplement the DAF donation with additional money from the other alliances to fulfill the total grant obligation of \$50,000. Through the generous support of our alliances, the AKC, Nestlé Purina, Donor Advised Funds and others we have supported 23 million dollars in canine health research.

Grant Number	Grant Recipient	Title	Grant Amount	Amount to Raise
01093A&B	Elaine Ostrander, PhD NHGRI / NIH Elizabeth McNeil, DVM, PhD Michigan State University	Positional Cloning of the Gene(s) for Gastric Cancer in the Chow Chow	\$77,063.55	\$77,063.55
01248	Max Rothschild, PhD Iowa State University	Whole Genome Association Analyses for Cryptorchidism in Dogs	\$74,104.00	\$74,104.00
01262	William J. Murphy, PhD Texas A&M University	Sequencing and Functional Analysis of the Canine Y Chromosome	\$106,309.00	\$106,309.00
01265	Ronald Sluyter, PhD University of Wollongong	Understanding Mechanisms Involved in Canine Autoimmune and Inflammatory Disorders	\$48,730.00	\$48,730.00
01268	Lorna J. Kennedy, PhD University of Manchester	Investigation to identify genes associated with canine immune- mediated haemolytic anaemia	\$68,339.56	\$68,339.56



Grant Number	Grant Recipient	Title	Grant Amount	Amount to Raise
01271A&B	Kerstin Lindblad-Toh, PhD Broad Institute Joan Coates, DVM University of Missouri	Mapping of Additional Genes Associated with Canine Degenerative Myelopathy	\$160,000.00	\$160,000.00
01272	Jorge Piedrahita, PhD NCSU	Isolation and Characterization of Canine Induced Pluripotential Stem Cells (iPS)	\$82,610.00	\$82,610.00
01311	Keith E. Murphy, PhD Clemson University	Genome-wide association mapping study of hypertrophic osteodystrophy in Irish Setters	\$74,237.00	\$74,237.00
01312	Keith E. Murphy, PhD Clemson University	Association mapping study of Legg-Calve-Perthes Disease in the West Highland White Terrier, Yorkshire Terrier, and Miniature Pinscher	\$78,688.00	\$78,688.00
01313	Kathryn Meurs, DVM PhD Washington State University	Identification of a Genetic Marker for Familial Aortic Stenosis in the Rottweiler	\$27,651.00	\$27,651.00
01317	Kerstin Lindblad-Toh, PhD Broad Institute	Mutation Detection and Functional Analysis of Multiple Loci for Osteosarcoma	\$80,692.20	\$80,692.20
01336A&B	Deborah Knapp, DVM Purdue University Elaine Ostrander, PhD NHGRI / NIH	Finding the Mutations that Increase Susceptibility to Transitional Cell Carcinoma in the Scottish Terrier, West Highland Terrier, and Shetland Sheepdog	\$86,899.75	\$86,899.75