

The Dog Genome Project



HELP US FIGHT DOG DISEASES!



*We are Searching for Genes for Canine Cancers and Other Diseases
Why? Carrier Testing and Improved Treatment in Dogs and Humans*

We need blood samples from ALL breeds!

What are we doing?

The world of dog owners, veterinarians, oncologists and dog geneticists is about to change! The Canine Genome Sequencing Project (based at the Broad Institute of Harvard and MIT in Boston) finished sequencing the dog genome this summer. Now, we are using this important new resource to find genes for canine diseases such as cancer, diabetes and epilepsy.

With the support of the AKC Canine Health Foundation, we are first investigating the genetic causes of osteosarcoma (bone cancer) and hemangiosarcoma. We are searching for regions of the genome that differ between healthy dogs and sick dogs to allow carrier testing. Ultimately, we will identify the defective genes causing these diseases, improving treatments in dogs and in people with cancer.

What can you do?

- If you have a healthy dog (especially a dog 8 years or older), we would really appreciate a blood sample and your dog's registration number or pedigree information.
- If your dog has cancer, please ask your veterinarian to draw a blood sample and send it to us together with the clinical information, including a copy of the pathology and histology reports, and your dog's registration number.

It is NOT necessary to shave the dog!

Information for Veterinarians:

Please collect 5 ml of blood in an EDTA tube and ship to the address at the bottom of this page, along with the signed consent form on the reverse side of this flyer. Please let us know to expect the sample.

Unfortunately, we are unable to reimburse for the cost of shipping or veterinary expenses, and we greatly appreciate your assistance with our research.

More details on blood collection: http://www.broad.mit.edu/mammals/dog/vet_info.html

If you have questions please contact us at:

Dog Genome Project
Broad Institute
One Kendall Square, Bldg 300
Cambridge, MA 02139

Fax: 617-252-1902 (let us know to expect the sample)
Email: dog-info@broad.mit.edu
Website: <http://www.broad.mit.edu/mammals/dog/>

We need your help!

We are collecting DNA from **ALL DOG BREEDS** so we can search for genes for many different dog diseases.

Our current studies are on **osteosarcoma** and **hemangiosarcoma**, but we are starting studies on **melanoma, lymphoma, mammary cancer** and **mast cell tumors**.

We particularly need samples from:

Bullmastiffs	Chinese Shar-Peis
Great Danes	English Springer Spaniels
Greyhounds	German Shepherds
Leonbergers	Golden Retrievers
Mastiffs	Irish Wolfhounds
Newfoundlands	Labrador Retrievers
Pugs	Rhodesian Ridgebacks
Rottweilers	Scottish Deerhounds
Saint Bernards	

Broad Institute Blood Sample Release Form

Research Statement:

We would like to obtain a blood sample from your dog. The sample will help us to explore canine genetic issues including patterns of genetic diversity between and within breeds, and in disease states.

What are the risks Involved with a blood sample?

A blood draw may cause a slight momentary discomfort to your dog as the needle is inserted. There is a small possibility that some bruising might be seen around the draw site. This should cause your dog only marginal, short-term discomfort and not have any major consequences. If your dog becomes aggressive and/or bites during the blood sampling process, the Canine Genome Project and the Broad Institute are not liable in any way for any resultant physical harm or property damage. Compensation is not available in the unlikely event of physical harm to your dog resulting from the blood draw procedure.

Who will have Access to the Information and Specimen?

No information about you, or the identity and health information of your dog will be made available to the public. Only the Broad Institute and collaborators on the respective studies will have access to the samples. Any studies utilizing your dog's oral/blood tissue sample will occur with the understanding that none of your dog's unique identifiers (name, AKC number, etc.) will be distributed or published.

Dog Owner's Statement:

I have read the information provided above and have had an opportunity to ask questions regarding the procedures involved. I am the owner or the agent for the owner of the dog described below and I have the authority to execute this release. My signature below indicates I voluntarily agree to give my dog's oral tissue or blood specimen for this study.

Is it okay to share samples with our research collaborators? Yes ___ No ___

Owner's Signature: _____ Date: _____

Owner's Name (printed): _____

Email Address: _____

Would you like to be notified of updates via email? yes | no

Phone Number: _____

Street Address: _____

City, State, Zip: _____

Dog's Registered Name: _____

Registration Organization and number: _____

• Dog's Call Name: _____ • Dog Breed: _____

• Year of Birth or Age: _____ • Variety/Coat Color: _____ • Pedigree attached? yes | no

• Dog Gender (*circle one*): Male | Male(Neu) | Female | Female(Sp) • Year of Sp/Neu _____

Any known diseases in this dog?

Any known diseases in related dogs?

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