

# The Dog Genome Project



## HELP US FIGHT DOG DISEASES!



### 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) has sequenced the dog genome. Now, we are using this important new resource to find genes for dog diseases such as cancers, diabetes, kidney failure, as well as other diseases.

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 similar diseases.

### We need your help!

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

We particularly need help from dogs with:

- Hemangiosarcoma
- Osteosarcoma
- Lymphoma
- Mast Cell Tumors
- Addison's disease
- Diabetes
- Kidney failure at young age
- Compulsive disorder

### What can you do?

- o **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.
- o **If your dog has been sick**, please ask your veterinarian to draw a blood sample and send it to us together with the clinical information (such as pathology and histology reports) and your dog's registration number **OR** pedigree information.

**It is NOT necessary to shave the dog!**

### Information for Veterinarians:

Please collect ~5 ml of blood in EDTA tube(s) 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.broadinstitute.org/mammals/dog/vet\\_info.html](http://www.broadinstitute.org/mammals/dog/vet_info.html)

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### Please send samples to:

c/o Michele Perloski  
Dog Genome Project  
Broad Institute of MIT and Harvard  
7 Cambridge Center, 6112-a  
Cambridge, MA 02142

Fax: (617) 714-8956 (let us know to expect blood samples)  
Email: [dog-info@broadinstitute.org](mailto:dog-info@broadinstitute.org)  
Website: <http://www.dogDNA.org>

## Broad Institute Blood/Tissue Sample Release Form

### Research Statement:

We would like to obtain a blood/tissue 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. No DNA information of your dogs will be made available to you, or 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 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. I give my permission for my contact information to be stored and for you to recontact me regarding my dog's health. My signature below indicates I voluntarily agree to give my dog's blood and/or tissue specimen for this study.

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

*Is it okay to contact your vet for health questions and updates about your dog?* Yes  No

*Would you like to be notified of updates via email?* Yes  No

**Owner's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Owner's Name(printed):** \_\_\_\_\_

**Email Address:** \_\_\_\_\_ **Phone #:** \_\_\_\_\_

**Street Address:** \_\_\_\_\_

**City, State, Zip:** \_\_\_\_\_

**Vet Contact Info:** \_\_\_\_\_

**Dog's Registered Name:** \_\_\_\_\_

**Registration Organization and number:** \_\_\_\_\_

• Dog's Call Name: \_\_\_\_\_ • Dog Breed: \_\_\_\_\_

• Birth Date: \_\_\_\_\_ • Variety/Coat Color: \_\_\_\_\_ • Pedigree attached? yes | no

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

**Which diseases has this dog had?  
(now and in the past)**

**Disease**

**Date of Diagnoses**

**Do you know of any diseases in related dogs?**

Please send samples to:

c/o Michele Perloski, Broad Institute of MIT and Harvard, 7 Cambridge Center, 6112-a, Cambridge, MA 02142, USA,

Email: dog-info@broadinstitute.org