

## **OSTRANDER STUDY - INSTRUCTIONS FOR VETERINARIANS**

This study aims to map the gene(s) responsible for malignant histiocytosis (also known as histiocytic sarcoma) in the Flat-Coated Retriever by comparing the genomes of affected and unaffected dogs. Large numbers of both healthy and diseased animals are required. This study is being conducted in the laboratory of **Drs. Elaine Ostrander** and **Heidi Parker** at the National Institutes of Health.

### **PARTICIPANT REQUIREMENTS:**

Flat-Coated Retrievers with known pedigrees may participate in this study. Dogs may be male or female, intact or neutered. **Affected dogs must have a diagnosis of malignant histiocytosis or histiocytic sarcoma**, prior to sample submission. **Affected dogs who have undergone chemotherapy or radiation therapy CAN be used for this research. Healthy, unaffected, control dogs must be nine years of age or older and never have been diagnosed with any type of cancer.**

### **INSTRUCTIONS TO VETERINARIANS:**

#### **Sampling Kits:**

Although a **kit is not required**, it is helpful for submitting everything that is needed by the researchers. The kit contains two 6-ml ACD blood collection tubes, a set of blood draw instructions, a Consent Form, a mailing label, and a reminder to include supporting documents. **Kits can be obtained free of charge by contacting Gretchen Carpintero at [dog\\_genome@mail.nih.gov](mailto:dog_genome@mail.nih.gov) or 301-451-9390.**

#### **Supporting Documentation:**

**For affected dogs, a pathology report** indicating a diagnosis of malignant histiocytosis (or histiocytic sarcoma) is required. **For healthy dogs, a note indicating the dog's state of health and age** is sufficient. In addition, the owner must provide a minimum of a **3-generation pedigree** and a completed **Consent Form**. The Consent Form is included in the kit; it can also be obtained from Donna Viglietti ([dog\\_genome@mail.nih.gov](mailto:dog_genome@mail.nih.gov)) or from The Flat-Coated Retriever Society Cancer Studies Support Team at [FCR-Cancer-Support@yahoogroups.com](mailto:FCR-Cancer-Support@yahoogroups.com). Supporting documents may be submitted separately from blood samples (e.g., sent by Fax).

#### **Blood Collection:**

When a kit is available, ~4 mls of blood should be collected into each of the two 6-ml tubes provided (total of ~8 mls). In the absence of a kit, ~8 mls of blood should be divided into two or more EDTA tubes. In cases where blood collection is difficult, a minimum of 5 mls of blood will suffice.

#### **Sending Blood Samples:**

Blood samples can be mailed using the **regular US mail service** and the mailer in which the kit was shipped. In the absence of a kit, blood can be sent in a well-padded container by regular mail. The sample need not be refrigerated during shipping.

#### **Ship to:**

Gretchen Carpintero, Samples Manager  
CGB/NHGRI/NIH  
50 South Drive  
Bldg. 50, Room 5347  
Bethesda, MD 20892-8000

E-mail: [dog\\_genome@mail.nih.gov](mailto:dog_genome@mail.nih.gov)  
Phone: 301-451-9390  
Fax: 301-594-0023