

**IMPORTANT DNA MARKERS SOUGHT FOR CANINE CRUCIATE DISEASE  
SEMINAR SATURDAY AUGUST 7, 2010 6:30 pm IN THE POPLAR ROOM AT  
THE SAANICH FAIR GROUNDS**

**There will be no charge for the seminar, donations gratefully accepted**



**CRUCIATE DISEASE AFFECTS MANY BREEDS,  
HELP US HELP THE SCIENCE TO FIND THE DNA MARKER**

**The Newfoundland Dog Club of Canada-BC Region** invites you to a **very important canine health seminar**. The seminar will provide you with information regarding DNA markers for Canine Cruciata Disease and the science behind the search. **Cheek Swab DNA sample collection** will take place August 6, 7 & 8 at the Saanich Fairgrounds. We are looking for **DNA** from dogs of any age that have been **affected and unaffected dogs over the age of 5 years**. If your dog is not entered in the show it must not be within 30 feet of the show site so we have set up our collection tent away from the show area, signs will be posted to direct you to the DNA collection tent.

The speaker is **Arabella Baird of the Veterinary School at Liverpool University** working in collaboration with the **Centre for Integrated Genomic research at Manchester University**. Arabella is conducting a 3 to 4 year study as a PhD program and will be obtaining samples from dogs in the UK, USA and Canada.

**The purpose of the study and DNA sample collection is to find an explanation of the genetics relating to Cruciata disease.**

Arabella's study will be working closely, and sharing information with a similar study on Newfoundland Dogs presently being done by Dr. Vicki L. Wilke, Department of Veterinary Clinical Studies, University of Minnesota. The study in the UK is collecting DNA samples from **ALL breeds** and opens the focus to 3 countries, UK, USA and Canada.

**The aim of the project is to find the specific genetic regions involved in the disease with the ultimate aim to develop a test to screen dogs for the causative gene and then help make breeding strategies to reduce the incidence of the disease in dogs.**

Brief outline of the seminar:

- A general background of cruciata disease and how it's a problem.
- The theory behind the project (previous research indicative of genetic problem)
  - What we are doing and what we are looking for
    - Simple explanation of the genetics
    - What we aim to find
  - How this would help Newfoundland's and other breeds
    - DNA sample collection what we require
    - Handouts

**For further information** on cheek swab collection of your dogs' DNA please contact:

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