



## ***NOW RECRUITING***

### **Canine transitional cell carcinoma of the bladder, urinary tract and prostate.**

#### **Adenocarcinoma of the prostate.**

The BreenLab at NCSU has identified chromosome changes in cells of bladder, urinary tract and prostate tumors that allow us to diagnose the presence of a transitional cell carcinoma (TCC) with >96% specificity. Currently, this assay requires a biopsy specimen of the bladder/prostate tumor to be sent to the lab for testing. To avoid the need to obtain a tumor biopsy specimen, we have developed a rapid means to diagnose the presence of TCC in a free-catch urine sample.

We are now seeking the help of the dog community to help validate this assay and determine the sensitivity before we offer the test widely.

**Do you currently have a dog (any breed) diagnosed with transitional cell carcinoma of the bladder or urinary tract?**

**Do you currently have a dog diagnosed with prostate cancer (either transitional cell carcinoma or adenocarcinoma)?**

**Are you willing to allow us to include your dog in a research project that aims to help us to determine the sensitivity of our assay to detect bladder cancer cells in a free catch urine sample?**

If the answer to the above questions is yes, please contact [info@breenlab.org](mailto:info@breenlab.org) to find out how you and your dog can help.

At this stage all we would need are the following.

- 1) a free catch urine sample collected into a clean and leak proof container, submitted to the lab overnight.
- 2) access to the clinical records from your veterinarian relating to your dog's cancer.
- 3) your permission to access the biopsy specimen submitted to your veterinarian's routine pathology laboratory (if one was submitted).