Discovery of Genetic/Epigenetic Abnormalities in Cancers

Research emphasis:
Dr. Mochizuki’s research focuses on discovery of genetic/epigenetic abnormalities in cancers as well as in congenital disorders in companion animals and its clinical translation. He has developed diagnostic assays for canine/feline lymphoma and leukemia and canine bladder and prostate cancers, which are now offered through academic and industry settings. His current main research focuses on understanding of molecular pathogenesis of canine mast cell neoplasms and melanoma.

Applications:
- Molecular diagnostics
- Cancer genomics
- Mutation discovery

Research Strengths:
- Cancer genomics & bioinformatics
- Development of DNA testing
- Next generation sequencing

Selected Publications:


