



CHRISTINA PETTAN-BREWER, D.V.M., M.S.

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Klaisy Christina Batista Pettan-Brewer received her veterinarian degree in Brazil at the Universidade Federal de Viçosa (UFV), and moved to the USA to pursue her career in Zoological/Wildlife Medicine with Dr. Murray E Fowler and Comparative Pathology with Dr. Linda J Lowenstine. She accredited her DVM degree with a Master's of Science in Comparative Pathology and three years Residency Program in Zoological/Wildlife Medicine at the University of California, Davis and Los Angeles Zoo. She accomplished two post-doctoral research fellowships in Medical Genetics and Comparative Medicine at the School of Medicine, University of Washington, Seattle. Christina is currently a Veterinarian and Associate Director in the UW Department of Comparative Medicine. The prior focus of Dr. Pettan-Brewer's research was the basic biology of aging and age-related diseases, particularly cancer. She concentrated her studies on DNA damage and oxidative stress, genetic instability in different polymorphisms, and the investigation of DNA repair and antioxidant mechanisms during neoplastic progression. Dr. Pettan-Brewer's new finding, showing that a single nucleotide mutation in the oxidant-sensitive DNA repair gene, XRCC1, suppresses tumor progression, is a major discovery that has great potential for application to translational research. She is also collaborating with other researchers on the use of small compounds that act as antioxidant mimetics for the amelioration of age-related tumor progression and healthspan. Her personal interests and passion in zoological and wildlife medicine provide her with continuous inspiration and direction for her research into human and domestic animals medicine, and wildlife as reservoirs of neglected and emerging infectious diseases. Dr. Pettan-Brewer has recently received the 2014-2015 One Health Fulbright Scholar Award.

<https://depts.washington.edu/compmed/directory/faculty/pettan-brewer.html>

https://www.researchgate.net/profile/Christina_Pettan-Brewer