MMI 291 Seminar Series
Current Theme: Interdisciplinary Research
Winter Quarter 2022 – CRN 33585

Friday Seminar – 12:10-1 PM

“Feline leukemia virus infection outcomes are related to interactions with endogenous LTR”

Research / Bio
Sue VandeWoude is a veterinary virologist recognized for her studies of the biology, pathogenesis, and ecology of viral infections in felids. Her work has included virus discovery, viral co-infection interference, and cross species transmission of infections between domestic and nondomestic cats. Her disease ecology studies have indicated that anthropogenic change influences disease incidence in free-ranging bobcats and pumas, and that spillover of diseases from domestic cats to pumas occurs frequently with a range of clinical outcomes. Her work on Feline Leukemia Virus has examined interaction between endogenous and exogenous genomes in natural and experimental infections and has shown how these interactions modify viral replication and disease expression. Her recent studies of experimental SARS-CoV-2 infections in cats have revealed strong viral selection following inoculation with human-derived strains and during cat-to-cat transmission. VandeWoude is currently University Distinguished Professor and Director of the CSU One Health Institute and was elected to the National Academy of Sciences in 2019.

Publications
