



# 2013 K-State VRSP Participants



**Jacqueline Black**  
(Returning Senior Scholar)

*The effect of CYP inhibition on tramadol disposition and effects in dogs.*



[Dr. Butch KuKanich](#)



**Jessica Chavera**

*Role of cell-cell communication in canine mammary tumor CF41.Mg cells.*



[Dr. Annelise Nguyen](#)



**Laura Constance**

*Inner ear development in mouse models of SLC26A4-related deafness.*



[Dr. Philine Wangemann](#)



**Ellen Heinrich**

*Effect of sucralfate on absorption of doxycycline in healthy dogs.*



[Dr. Kate KuKanich](#)



**Melanie Hinzpeter**

*Vas deferens Epithelial Anion Secretion.*



[Dr. Bruce Schultz](#)



**Kristine Kemmet**

*Genome sequencing of the PRRS virus in normal and SCID pigs.*



**[Dr. R.R. Rowland](#)**



**Diane Larson**

*Shiga toxin-producing E. coli in beef production systems.*



**[Dr. David Renter](#)**



**Todd Luttgarm**

*In vitro solubility studies related to bioavailability and bioequivalence guidelines for oral drugs in cattle.*



**[Dr. Mike Apley](#)**



**[Dr. Jim Riviere](#)**



**Morgan Matile**

*Investigation of the feline hepatic GCK promoter.*



**[Dr. Thomas Schermerhorn](#)**



**Kyle Pfeifer**

*Significance of the gut bacterial community in the vector competence of *Culicoides sonorensis* for the bluetongue virus.*



**[Dr. Ludek Zurek](#)**



**Stephanie Rainbolt**

*Immunologic and genetic comparison of Mannheimia haemolytica isolates from an outbreak of bovine respiratory disease*



**[Dr. Derek Mosier](#)**



**Sean Stenseng**

*Detection of E. coli O104 in feces of feedlot cattle.*



**[Dr. T.G. Nagaraja](#)**



**Margaret Tracy**

*Shedding patterns of generic Escherichia coli in cattle.*



**[Dr. Mike Sanderson](#)**



**Jennifer Wright**

*Mechanisms of muscle microcirculatory dysfunction in heart failure.*



**[Dr. Tim Musch](#) [Dr. David Poole](#)**