

**Kimberly Bishop**

**Kimberly A. Bishop** is a Doctor of Philosophy candidate in the Emerging Infectious Diseases (EID) graduate program at the Uniformed Services University of the Health Sciences. Ms. Bishop earned her Bachelor of Science degree in biology (microbiology track) in 2002 from Salisbury University in Maryland. As an EID graduate student, she is conducting research on *Hendra virus* (HeV) in the lab of Dr. Christopher Broder. HeV is a newly emergent and deadly Biosafety Level 4 zoonotic Paramyxovirus that was first identified in an outbreak involving racehorses and their trainers in Australia in 1994. As described in a recent publication in PNAS, their lab has identified the cellular receptor for HeV and its close relative Nipah virus (NiV) to be ephrin B2. Most recently, Ms. Bishop has reported that HeV can also utilize the closely related ephrin B3 and mapped B2 and B3 receptor binding residues of the HeV attachment protein (G). She is currently finishing her thesis work, preparing a manuscript detailing exploration of another functional domain of HeV G through alanine mutagenesis. She is a student member of the American Association for the Advancement of Sciences, the American Society for Microbiology, and the American Society for Virology.