



Jingjiao Ma Biography 2013

I am a PhD student at Kansas State University in the College of Veterinary Medicine majoring in Pathobiology. My project is to characterize swine influenza viruses (SIV) in Midwestern USA. My work is to investigate the mechanisms of SIV transmissibility and pathogenicity in pigs. I analysis the genetic markers of the virus to map out which is critical for virus cause disease or transmit among pig populations. I also associate with Kansas State Veterinary Diagnostic Laboratory future characterize the SIVs in the field, which will help the pig industry development. I sequenced many full genomes of viruses directly from the field, which will help local vet decide which vaccine they could use, to ensure the health conditions of pigs. I also analyzed the viruses in the field microbiologically, by which we can have an understanding which strain is prevalent in the herds.