1086-AC-1272 **Suzanne Lenhart*** (lenhart@math.utk.edu), U of Tennessee, National Institute for Math. & Bio. Synthesis, and Math Dept, Knoxville, TN 37996, and **Louis Gross** (gross@nimbios.org), University of Tennessee, EEB and Math Depts., National Institute for Math & Bio Synthesis, Knoxville, TN 37996. *Infectious Disease & Sustainability: Lessons from Research at NIMBioS.*

The National Institute for Mathematical and Biological Synthesis brings together interdisciplinary teams of researchers to investigate management and spatial temporal spread patterns of infectious diseases. Such diseases can affect the sustainability of food sources and threaten global food security. The impact of zoonoses on human populations can also be significant. The variety of diseases considered by working groups and investigative workshops at NIMBioS range from Johne's disease in dairy cattle to pseudorabies in feral hogs. (Received September 20, 2012)