

# **BRI Research Fellows LECTURE SERIES**



## ***Genomic Analysis to Characterize Disease Outbreaks: Studies from Anthrax, Plague and Cholera***

**Paul Keim, Ph.D.  
Biological Sciences  
Northern Arizona University**



Dr. Paul Keim is the Executive Director of the Pathogen and Microbiome Institute at Northern Arizona University, which uses genomic tools for understanding infectious diseases and the microbiome. His research employs genetic and genomic analyses for understanding the bacterial pathogen population structure of dangerous pathogens (anthrax, plague, tularemia, glanders, melioidosis, Q-fever) and evolution. Linking the populations to their ecology has been a critical part of his program. It was Keim's laboratory that identified the Ames "anthrax" strain in the 2001 letter attacks and served as the evidence repository and genetic analysis lab for the FBI during the investigation.

Dr. Keim is recognized as one of the world's leaders in anthrax research and his university laboratory houses one of the largest "anthrax" strain collections in the world. He is an elected fellow of both the AAAS and the American Academy for Microbiology. NIH appointed him to the National Science Advisory Board for Biosecurity in 2015 and he served as its chairman for two years. He has published over 400 scientific research articles that have been cited over 20,000 times.

*If you would like to meet with Dr. Keim during his visit,  
please contact Dr. Stephen Higgs, 785-532-3250.*

**Tuesday, November 29, 2016  
3:00 p.m.**

**Lecture Hall, Biosecurity Research Institute  
Pat Roberts Hall, 1900 Denison**

*The Marty Vanier and Bob Krause  
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