



Department of Mathematics and Statistics

Colloquium

Tuesday September 17

AMB 164 4:00 - 5:00 pm

Three sabbatical pathogen projects

Derek Sonderegger

Northern Arizona University

Abstract

Abstract: I will discuss three projects I worked on at the Pathogen and Microbiome Institute (PMI). First, a preliminary GWAS study looking for genetic susceptibility to Valley Fever in canines. Second, developing a blood assay for Melioidosis using regularization methods. Third, developing a method to handle incomplete sampling in assessing hospital acquired infections of *C. difficile*. I will also talk about my experiences collaborating with PMI faculty and the conferences that I attended during the sabbatical.

Refreshments at 3:45