Bioaerosol Sampling and Zoonotic Diseases

Research emphasis:
Dr. Anderson’s research interests include using a One Health approach to study emerging infectious diseases, zoonotic diseases, and viral respiratory pathogens. Dr. Anderson has worked extensively in China performing bioaerosol studies of influenza A viruses and other swine viruses in pig farms, as well as live animal markets. He has considerable laboratory experience conducting serological assays and molecular diagnostics and seeks to further develop bioaerosol sampling as a means for non-invasive surveillance for select pathogens in North Carolina agricultural settings.

Applications:
- Surveillance
- Agromedicine
- Biosecurity
- One Health

Research Strengths:
- Virology
- Molecular Diagnostics
- Serology
- Epidemiology

Publications and Abstracts:


