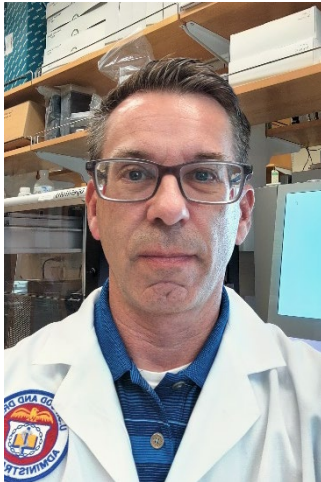


## Transforming Agriculture: Metagenomics for Food Safety

### *Speaker Bios*



**Dr. Bradd Haley** is a research microbiologist in the Environmental Microbial and Food Safety Laboratory at USDA ARS in Beltsville. Bradd studied human waterborne and foodborne pathogens during his graduate studies at the University of Georgia, and the University of Maryland, College Park. He was a postdoctoral research microbiologist with Dr. Jo Ann Van Kessel in the Environmental Microbial and Food Safety Laboratory starting in 2012 and became a Research Microbiologist in the lab in 2017. The focus of his current research is to elucidate the ecology of human pathogens and antimicrobial resistance in dairy production systems and use these data to identify on-farm solutions to these problems.



**Dr. Christopher Grim** is a molecular biologist with over 20 years of experience in microbial ecology, bacterial genomics, metagenomics, infectious disease and public health, and food safety. Dr. Grim received his Ph.D. in Environmental Molecular Biology/Biotechnology from the University of Maryland, College Park. Dr. Grim joined FDA in 2009 and serves as a Research Microbiologist in the Center for Food Safety and Applied Nutrition. Dr. Grim's work is focused on integrating genomics and metagenomics into the areas of pathogen detection and subtyping, virulence assessment, improved method development, and source tracking of the foodborne pathogens, antimicrobial resistance and emerging hazards.