

Microbiology, Microbial Biosignatures, and Microbiomes in Human Health and Disease

Dr. Todd Sandrin

Professor Sandrin's research resides at intersections of microbiology and chemistry. As a broadly trained microbiologist with expertise applying state-of-the-art approaches, he is interested in ways to: 1) enhance beneficial aspects of microorganisms (e.g., biodegradation of harmful chemical pollutants) and 2) develop approaches to mitigate negative effects of microorganisms (e.g., disease, microbial contamination of water). Tools his group commonly employs fall within the realm of proteomics and functional genomics. A proteomics and functional genomics core facility at ASU's West campus facilitates this type of research.