

BIO 8051: Advanced Bacteriology

Advanced bacterial genetics, including applications to medicine, biotechnology, and public health. Uses current literature and lab techniques to study molecular mechanisms driving lateral gene transfer in bacteria, the spread of antibiotic resistance and virulence factors, and methods for manipulating these mechanisms to analyze and engineer bacteria. Two lectures per week. Prereq. a previous course in microbiology, molecular biology, or genetics is helpful, but not required.

Credits: 2.0

Program: [Biology](#)