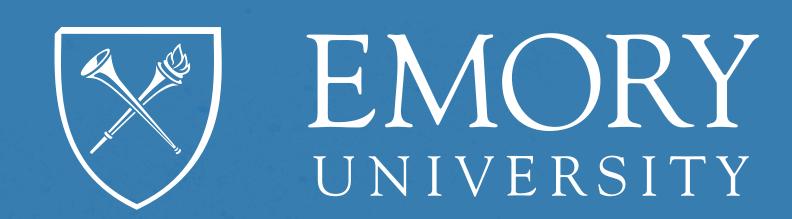


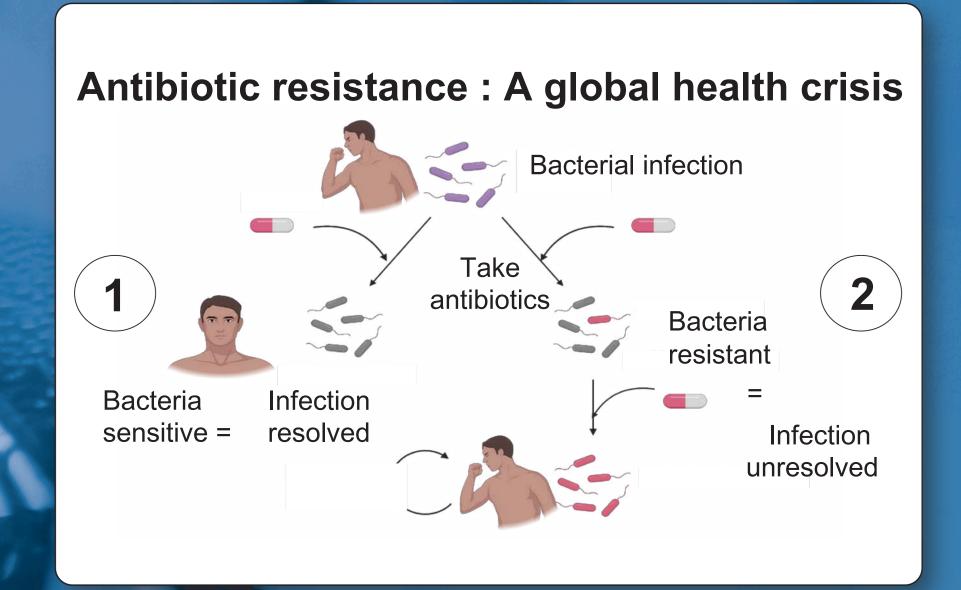
## Logan Kavanaugh

Ph.D. Student, Microbiology and Molecular Genetics Second Year ARCS Scholar McGowan/ARCS Award



## Antibiotic Recognition and Efflux by MexY in Bacterial Pathogen Pseudomonas aeruginosa

By using a multi-disciplinary approach (i.e., biochemistry, structural biology, and microbiology), we can tackle the threat of antibiotic resistance and identify targets for novel antibacterial therapeutics.



## Antibiotic resistance : A global health crisis Urgently need 2050: novel antibiotics and/or small deaths in Road traffic molecules to resensitize low estimate Estimated bacteria to Cholera 100,000current 120,000 antibiotics Diarrhoeal 1.5 million

