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*Mechanisms of Cell Envelope Defense Against Antibiotics in
Gram-positive Bacteria*

William R. Miller, M.D. is an Assistant Professor of Medicine with the Division of Infectious Diseases at Houston Methodist Hospital, Houston Methodist Academic Institute, and Weill Cornell Medical College. Dr. Miller is a member of the Center for Infectious Diseases at the Houston Methodist Research Institute, where his current research interests involve the clinical impact and mechanistic bases of antimicrobial resistance. Active projects include studying the multilayered cell membrane defense networks of Gram-positive pathogens using enterococci as model organisms, understanding the inoculum effect in severe methicillin-sensitive *Staphylococcus aureus* infections, and characterizing the molecular mechanisms of resistance of multidrug resistant *Pseudomonas aeruginosa*.