

Yale SCHOOL OF PUBLIC HEALTH

Epidemiology of Microbial Diseases

EMD Seminar Series

Paul E. Turner, PhD

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“Phage therapy to combat infections by antibiotic-resistant bacteria”

“Increasing prevalence and severity of multi-drug-resistant bacterial infections necessitate novel antibacterial strategies. New approaches should target bacterial pathogens while exerting selection for reduced pathogenesis when these bacteria inevitably evolve resistance to therapeutic intervention. This presentation concerns a new approach to phage therapy, where these viruses are used to target lung infections caused by pathogens such as *Pseudomonas aeruginosa*, by using phages that kill the bacteria while exerting selection pressure for the pathogens to evolve lowered virulence and re-sensitivity to chemical antibiotics.”

12:00 PM Thursday, September 5, 2019

47 College Street, Room 106B

Host: A. Bei/G. Gonsalves/N. Grubaugh

