

Eighth Annual Dr. Martin Luther King Jr. Seminar



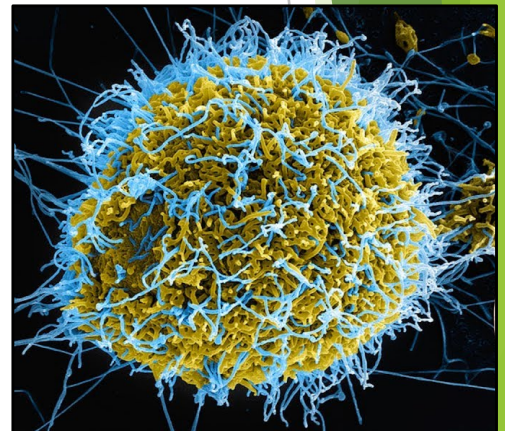
Dr. Paul Turner

Elihu Professor
Department of Ecology & Evolutionary Biology
Yale University

Friday January 25th at 12:20pm
Biocomplexity Institute Auditorium

Harnessing virus biodiversity to develop new therapies against multi-drug resistant bacteria

Dr. Paul Turner received his B.S. from the University of Rochester in Biology, his Ph.D. from Michigan State University, followed by postdoctoral appointments at the NIH, University of Valencia, and University of Maryland. He was recently named the first Elihu Professor of Ecology and Evolutionary Biology in honor of the school's namesake, Elihu Yale. Dr. Turner is the director of the Graduate Program in Microbiology for Yale University School of Medicine. He has also contributed to diversity initiatives at Yale and in professional organizations.



Abstract:

Increasing prevalence and severity of multi-drug-resistant (MDR) bacterial infections has necessitated novel antibacterial strategies. Ideally, new approaches would target bacterial pathogens while exerting selection for reduced pathogenesis when these bacteria inevitably evolve resistance to therapeutic intervention. Our approach is to harness the vast biodiversity of viruses in the wild, to discover bacteriophages (bacteria-specific viruses) that naturally cause such evolutionary trade-offs.

Host: Biological Sciences Diversity Committee

Co-sponsors: VT Life Sciences Seminar; Department of Biological Sciences; College of Science Diversity Committee; College of Natural Resources and Environment; Women and Minority Artists and Scholars Lecture Series; Global Change Center; Office of Inclusion and Diversity; Ecology, Evolution, and Behavior Seminar; College of Veterinary Medicine.