

JAMES P. HOLLAND MEMORIAL LECTURE

Virus Evolution

by Paul Turner

Associate Professor of Ecology
and Evolutionary Biology
Yale University

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Photo by Michael Marsilano, Yale University

Paul Turner's research utilizes diverse microorganisms (RNA viruses, DNA viruses, and bacteria) to address questions regarding the evolution of genetic exchange (sex), virus ecology and evolution, host-parasite interactions, and the evolution of infectious disease. Because microorganisms allow the observation of hundreds or thousands of generations, microbes provide a uniquely powerful system to study evolution in action. Dr. Turner employs a number of interdisciplinary approaches in his work, including techniques from microbiology, population genetics, genomics, molecular biology, and mathematical modeling.

This lecture, eighth in the series, is sponsored by Indiana University's Office of the Vice President of Diversity, Equity, and Multicultural Affairs; the Office of the Vice President for Research; the Office of the Dean of the Faculties; the College of Arts & Sciences; the Herman C. Hudson and James P. Holland Scholars Programs; the Department of Biology, its National Institutes of Health Graduate Training Grant, and its National Institutes of Health Initiative for Maximizing Student Development; and the Medical Sciences Program.