

Speaker Bio:

Joel S. Freundlich, Ph.D. is an Associate Professor of Pharmacology, Physiology and Neuroscience and of Medicine at Rutgers University–New Jersey Medical School. Prior to his return to academic research, he spent eight years in the pharmaceutical industry as a medicinal chemist. His undergraduate and master's degree training were in chemical engineering at Cornell University as a McMullen Dean's Scholar. He received his doctorate in organic chemistry from the Massachusetts Institute of Technology under the tutelage of 2005 Nobel Prize in Chemistry awardee Richard Schrock. The Freundlich laboratory is positioned at the intersection of computation, chemistry, and biology to develop new tools that contribute to our understanding of the pathogenesis of infectious diseases (caused by *M. tuberculosis*, ESKAPE bacteria, *P. falciparum*, and the Zika virus) and translate these toward the discovery of novel therapeutic strategies.