DO NOT CONSIDER FOR TALK

2022 SEA Symposium Abstract

Allegany College of Maryland

Cumberland MD

Corresponding Faculty Member: Steven Heninger (sheninger@allegany.edu)

Fighting Infections with Dignity

Lily Johnson, Colt McDonald

Bacteriophage cocktails have been used by scientists to treat an array of harmful bacterial infections, from E. *Coli*, to P. *aeruginosa*, to Vibrio *parahaemolyticus* in humans. The phages included in these treatments may contain genetic material that is DNA or RNA, single-stranded or double-stranded, circular or linear, and segmented or nonsegmented, and the targeted bacteria chosen is dependent on its membrane proteins and recognition signals. Also looked at when would the phage Dignity be a potential candidate in a bacteriophage cocktail.