

S143

Symposium

Using *Dictyostelium amoeba* to screen for new compounds

Dictyostelium amoebae are susceptible to infection by a variety of human bacterial pathogens. The same bacterial traits are essential to ensure the pathogenic potential of bacteria against *Dictyostelium* and mammalian hosts. Here I will present the basic observations underlying this strategy, and the result of a search for new antibacterial compounds using this approach. We isolated many compounds with no antibiotic activity but which inhibited bacterial virulence.