

## KEY WORDS AND PHRASES FOR BACTERIAL COLONIZATION OF THE BODY PART-1

activate the host cell's cytoskeletal machinery enabling bacterial entry into the cell by phagocytosis

bind human iron chelators

biofilm-producing capsule

cell wall adhesins

enter the lymphatics and bloodstream and disseminate to other body sites

*Neisseria gonorrhoeae, Neisseria meningitidis, Escherichia coli, Vibrio cholerae*

pili

produce exotoxins that kill host cells only when iron concentrations are low in order to release host cell iron

produce siderophores that trap iron

provides a ready supply of nutrients, protects bacteria from complement proteins, antibodies, etc.

spirochetes

swim through mucus towards mucosal surfaces

synthesizing specific transport systems capable of binding limiting substrates and transporting them into the cell

*Treponema pallidum, Borrelia burgdorferi*