

Possible microbiology paper topics:  
(remember to refer to syllabus for guidelines; look at Perspectives article)

Biofilms

Bioremediation

Methanogenesis

Genetic engineering of plants to prevent disease using microbial products

Mechanism of virus/host interaction - choose one virus of interest

plant

animal

bacterial

E. coli O157:H7

Prions

Influenza

Archaea

extremophiles/enzymes

Multidrug resistant Mycobacterium species (TB)

Compare flagellar synthesis with type III secretion genes

Bacteriotherapy

Explore one endosymbiotic relationship in detail -bacteria and eukaryote

Chemotaxis in more detail (or could compare to phototaxis)