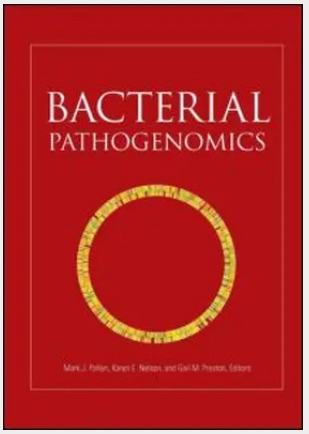
Pallen / Nelson / Preston

Bacterial Pathogenomics

Details progress in the fast-changing world of bacterial genomics. Explains the scientific advances that have resulted from the application of bacterial genome sequencing to the study of how bacterial pathogens have evolved and how these bacteria cause disease. Reviews the impact of genomics on our understanding of selected groups of pathogens, including Escherichia coli, mycobacteria, Neisseria, staphylococci, spirochetes, Campylobacter, plant pathogens, and Photorhabdus. Covers themes that cut across taxonomic boundaries, such as genomic signatures of intracellularity, the impact of shared genomic tools and datasets, pathogenomics of bacterial biothreat agents, the impact of phages on the evolution of bacterial pathogenicity, gram-positive protein secretion, cell wall biosynthesis, and intracellular pathogens. Serves as a resource for any bacteriology research and as a key text for students of bacterial genomics and the molecular basis of bacterial infection. This title is published by the American Society of Microbiology Press and distributed by Taylor and Francis in rest of world territories.



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