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Altri autori (Persone)	GylesC. L <1940-> (Carlton L.)
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Nota di contenuto	Contents; Contributors; Preface; 1 Themes in Bacterial Pathogenic Mechanisms; Basic Steps in Pathogenesis Provide a Sound Foundation; Refining Concepts of Virulence; Critical Host-Bacteria Communication; Promise of Genomics; Evolution of Pathogens-Insights into the Road Ahead; 2 Evolution of Bacterial Virulence; Population Structures and Genome Plasticity: Sex in Bacteria; Pathogenicity Islands: Not a Place for Fun; Illustrations of Virulence Evolution; Conclusion; 3 Streptococcus; Streptococcus agalactiae; Streptococcus dysgalactiae; Streptococcus equi; Streptococcus zooepidemicus Streptococcus canisStreptococcus suis; Streptococcus porcinus; Streptococcus uberis; Streptococcus pneumoniae; Conclusions; 4 Staphylococcus; Characteristics of the Organism; Pathogenic Staphylococcus Species; Sources of the Bacterium; Bacterial Virulence Factors; Pathogenesis; Types of Disease and Pathologic Changes; Interactions Between the Bacterium and Host Defenses; Immunity and Its Impact on Pathogenesis; Conclusions: New Developments; 5 Bacillus anthracis; Epidemiology; Bacteriology; Pathogenesis; Therapeutics; Immunity and Control; 6 Mycobacterium; Virulence; Host Response Granulomatous Lesion Development7 Corynebacterium and

Arcanobacterium; Corynebacterium; Corynebacterium bovis; Corynebacterium kutscheri; Corynebacterium pseudotuberculosis; Corynebacterium renale, C. pilosum and C. cystitidis; Corynebacterium ulcerans; Arcanobacterium; Arcanobacterium pyogenes; Conclusions; 8 Rhodococcus; Characteristics and Sources of the Organism; Bacterial Virulence Factors; Pathogenesis; Gaps in Knowledge and Anticipated Developments; 9 Listeria; Characteristics of the Bacterium; Sources of the Bacterium; Bacterial Virulence Factors; Pathogenesis Host-Pathogen Interactions in Listeriosis Conclusions; 10 Erysipelothrix rhusiopathiae; Bacterial Virulence Factors; Diseases; Pathogenesis; Acquired Immunity; Conclusions; 11 Neurotoxicogenic Clostridia; Botulism; Characteristics of Clostridium botulinum; Pathogenesis of Botulism; Tetanus; Pathogenesis of Tetanus; Nature and Action of Botulinum and Tetanus Toxins; Immunity to Botulism and Tetanus; Conclusion; 12 Histotoxic Clostridia; Virulence Factors and Pathogenesis; Conclusion; 13 Enteric Clostridia; Clostridium perfringens; Clostridium septicum; Clostridium difficile Clostridium spiroforme Conclusion; 14 Salmonella; Classification and Nomenclature; Biochemical Characteristics and Bacterial Isolation; Host Specificity; Diseases Caused by Salmonella; Virulence Factors; Pathogenesis; Immunity; Antibiotic Resistance and Virulence; Concluding Remarks; 15 E. coli Shigella; Disease; Shigellosis in Animals; Virulence Factors of E. coli Shigella; Plasmids; Pathogenesis of Shigellosis; Immunity; Toxins; Concluding Remarks; 16 Escherichia coli; Types of E. coli Implicated in Disease; Enterotoxigenic E. coli (ETEC); Pathogenesis Shiga Toxin-Producing Escherichia coli (STEC)

Sommario/riassunto

This much-anticipated third edition again consolidates the knowledge of more than twenty experts on pathogenesis of animal disease caused by various species or groups of bacteria. Emphasizing pathogenic events at the molecular and cellular levels, the editors and contributors place these developments in the context of the overall picture of disease. Pathogenesis of Bacterial Infections in Animals, Third edition, updates and expands the content of the second edition and includes cutting-edge information from the most current research. Comments on previous editions: "".
