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Nota di contenuto	Foreword; Contents; Contributors; 1. Phage and the Early Development of Molecular Biology; 2. Classification of Bacteriophages; 3. Prophage Genomics; 4. Evolution of Tailed Phages: Insights from Comparative Phage Genomics; 5. Phage Ecology; 6. DNA Packaging in Double-Stranded DNA Phages; 7. General Aspects of Lysogeny; 8. Gene Regulatory Circuitry of Phage ; 9. Regulation of Gene Expression by Transcription Termination and Antitermination; 10. Phage Lysis; 11. X174 et al., the Microviridae; 12. Filamentous Phage; 13. PRD1: Dissecting the Genome, Structure, and Entry 14. Lipid-Containing Bacteriophage PM2, the Type Organism of Corticoviridae 15. Single-Stranded RNA Phages; 16. Phages with Segmented Double-Stranded RNA Genomes; 17. The T1-Like Bacteriophages; 18. T4 and Related Phages: Structure and Development; 19. Bacteriophage T5; 20. The T7 Group; 21. Bacteriophage N4; 22. Phage 29 and its Relatives; 23. Bacteriophage SPP1; 24. Bacteriophage P1; 25. The P2-Like Bacteriophages; 26. The Satellite Phage P4; 27. Bacteriophage and its Genetic Neighborhood; 28. N15: The Linear Plasmid Prophage; 29. Bacteriophage P22; 30. The

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Sommario/riassunto

Describes the fundamental biology and applications of the bacteriophages, viruses that infect bacteria. This book provides a contemporary guide to each major phage family, highlights interesting topics, and provides a description of the kinds of phages that are associated with the major classes of eubacteria and archaea.
