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Genetics and Regulation of Anionic Polymer Synthesis  
Acknowledgement; References; Chapter 6. Peptidoglycan; Introduction; The Basic Chemical Structure of Peptidoglycan; Biophysical Properties of Peptidoglycan; Architecture of Peptidoglycan; Peptidoglycan Biosynthesis and Modifications; Covalent Attachment of Secondary Cell Wall Polymers to Peptidoglycan; Covalent Attachment of Proteins to Peptidoglycan; Peptidoglycan Synthesis During the Cell Cycle; References; Acknowledgements; Chapter 7. Flagella; Flagellar Function; Flagellar Structure; Assembly System of Flagella; Export Apparatus  
Morphological Pathway  
Origin of Flagella; Conclusion; Acknowledgement; References; Chapter 8. Pili and Fimbriae of Gram-Negative Bacteria; Introduction; Chaperone-Usher Pathway Pili; CUP Pilus Architecture; Subunit Structure; Assembly Proteins and Mechanisms; Ushers; Alternative Chaperone-Usher Pathways; Diversity of CUP Systems in Disease; Different Pilus Systems Involved in Adhesion and Disease; Curli: Extracellular Nucleation/Precipitation Pathway; Interfering With the Pilus; References; Chapter 9. Endospores, Sporulation and Germination; Endospore Structure and Resistance  
Endospore Formation

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### Sommario/riassunto

The molecular age has brought about dramatic changes in medical microbiology, and great leaps in our understanding of the mechanisms of infectious disease. *Molecular Medical Microbiology* is the first book to synthesise the many new developments in both molecular and clinical research in a single comprehensive resource. This timely and authoritative three-volume work is an invaluable reference source of medical bacteriology. Comprising more than 100 chapters, organized into 17 major sections, the scope of this impressive work is wide-ranging. Written by experts in the field, chapters include c

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