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Nota di contenuto	Contents; Contributors; Foreword; 1 The Vibrio cholerae Toxin Coregulated Pilus: Structure, Assembly and Function with Implications for Vaccine Design; 2 Conjugative Pili; 3 Pilus Biogenesis by the Chaperone-Usher Pathway; 4 Type 1 and P Pili of Uropathogenic Escherichia coli; 5 Type IV Pili: Functions and Biogenesis; 6 The Pseudomonas aeruginosa Type IV Pilus Assembly System in Three Dimensions; 7 Corynebacterium diphtheriae Pili: Assembly, Structure and Function; 8 Three-dimensional Structures of Pilin Subunits and their Role in Gram-positive Pilus Assembly and Stability 9 Sortase Structure and Specificity in Streptococci10 Pili of Streptococcus pyogenes; 11 The Role of Pili in the Formation of Biofilm and Bacterial Communities; 12 Fimbriae/Pili from Oral Bacteria; 13 Pilus-based Vaccine Development in Streptococci: Variability, Diversity and Immunological Responses; Index; A; B; C; D; E; F; G; H; I; L; M; N; O; P; R; S; T; U; V; Y
Sommario/riassunto	Bacterial pili play important roles as environmental sensors, in host colonization and in biofilm formation, enabling bacteria to interact with the environment, with surfaces and with other bacteria and host cells.

Most bacteria, both Gram positive and Gram negative, and almost all bacterial pathogens, are piliated. This book discusses the synthesis, structure, evolution, function and role in pathogenesis of these complex structures, and their basis for vaccine development and therapeutics for Streptococcus pathogens. It is an invaluable resource for researchers and students of medical microbi
