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Altri autori (Persone)	RehmBernd
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Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Pseudomonas; Contents; Preface; List of Contributors; 1 Comparative Genomics of Pseudomonas; 1.1 Introduction; 1.1.1 Other Species of Pseudomonas; 1.1.2 Obtaining Sequence Data on Pseudomonas; 1.2 Pan/Core Genome of Pseudomonas; 1.3 Phylogeny of Pseudomonas; 1.4 Blast Atlas of Pseudomonas Genomes; 1.4.1 Region 5 243 000-5 361 000; 1.4.2 Region 713 000-785 000; 1.5 Functional Categories; 1.6 Codon Usage and Expression; 1.7 Future Outlook; References; 2 Clinical Relevance of Pseudomonas aeruginosa: A Master of Adaptation and Survival Strategies; 2.1 Introduction; 2.2 CF 2.3 Survival of P. aeruginosa by Adaptation to the Inflammatory Defense System2.4 Conductive and the Respiratory Zones of the Lungs; 2.5 Survival of P. aeruginosa by Adaptation to the Respiratory Zone of the Lungs; 2.6 Survival of P. aeruginosa by Adaptation to the Conductive Zone of the Lungs; 2.7 Survival of P. aeruginosa by Adaptation to the Antibiotic Therapy; 2.8 Evolutionary Implications of the Adaptability of P. aeruginosa; References; 3 Adherence of Pseudomonas aeruginosa; 3.1 Introduction; 3.2 What is Adherence?; 3.3 Role of Adherence in Infection 3.4 How is Bacterial Adherence Associated with Virulence?3.5 P.

aeruginosa Adhesins; 3.6 Surface Receptor Requirements of the Pilus Adhesin; 3.7 How Does PilA Mediate Attachment to Human Mucosal Surfaces?; 3.8 X-ray Crystallographic Structural Studies of the Pilin Structural Protein; 3.9 Structure of the Pilus Fiber; 3.10 Structure of the Receptor-Binding Domain and Location on the Pilus; 3.11 Structural Nature of the Receptor-Binding Domain; 3.12 Twitching Motility; 3.13 How Does the Pilus Attach to a Solid Surface?; 3.14 The Monkey-Bar Swing Paradox
3.15 Molecular Basis for Receptor-binding Domain Interaction with Steel Surfaces
3.16 Pili as Nanowires for Redox Reactions; 3.17 What is the Most Important Role of Adherence to *P. aeruginosa*; References; 4 Flagella and Pili of *Pseudomonas aeruginosa*; 4.1 Introduction; 4.2 Flagellum of *P. aeruginosa*; 4.2.1 Structure of the *P. aeruginosa* Flagellum; 4.2.2 Chromosomal Organization of the Flagellar Genes of *P. aeruginosa*; 4.2.3 Transcriptional Hierarchy of the Flagellar Genes; 4.2.4 Model Proposed for Flagellar Assembly in *P. aeruginosa* 4.2.5 Environmental/Nonflagellar Regulators of Flagellar Expression
4.2.6 Posttranslational Modification of Flagellin; 4.2.6.1 Flagellar Glycosylation Islands (GIs) in *P. aeruginosa*; 4.2.6.2 Polymorphism of the *P. aeruginosa* a-type GI; 4.2.7 Role of Flagella in Inflammation; 4.2.8 Role of Flagellum in Pathogenesis; 4.3 Pili of *P. aeruginosa*; 4.3.1 Structure of *P. aeruginosa* Pilus; 4.3.2 Pilus/Fimbrial Genes of *P. aeruginosa*; 4.3.3 Regulation of Pilus Assembly and Twitching Motility; 4.3.4 Assembly of Type IV Pili; 4.3.5 Pilin Classification; 4.3.5.1 Type IV a and b Pilins
4.3.5.2 Group I-V Pilins

Sommario/riassunto

Concise and up-to-date, this handy guide fills a gap in the literature by providing the essential knowledge for everyone with an interest in the topic. The result is a comprehensive overview of the most important model organism in applied microbiology that covers basic biology, pathology and biotechnological applications.

2. Record Nr.	UNINA9910711555703321
Autore	Moyer Douglas L.
Titolo	Knowledge and understanding of dissolved solids in the Rio Grande-San Acacia, New Mexico, to Fort Quitman, Texas, and plan for future studies and monitoring / / by Douglas Moyer [and seven others]
Pubbl/distr/stampa	Reston, Virginia : , : U.S. Department of the Interior, Geological Survey, , 2013
Descrizione fisica	1 online resource (vii, 55 pages) : illustrations, maps
Collana	Open-file report ; ; 2013-1190
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3. Record Nr.	UNINA9910887376803321
Titolo	Il Mortigliengo fra 16. e 19. secolo : indagine su un habitat montano / a cura di Claudia Bonardi, Cristina Natoli
Pubbl/distr/stampa	Biella, : DocBi, Centro studi biellesi, 2005
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