

1. Record Nr.	UNINA9910284622103321
Autore	Cantarella, Glauco Maria
Titolo	Manuale della fine del mondo : il travaglio dell'Europa medievale / Glauco Maria Cantarella
Pubbl/distr/stampa	Torino : Einaudi, 2015
ISBN	978-88-06-21827-0
Descrizione fisica	IX, 350 p. ; 23 cm
Collana	Einaudi storia ; 58
Disciplina	940.146
Locazione	FSPBC
Collocazione	COLLEZ. 2078 (58)
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910463037403321
Titolo	Mollicutes : molecular biology and pathogenesis // edited by Glenn F. Browning, Asia-Pacific Centre for Animal Health, Faculty of Veterinary Science, the University of Melbourne, Victoria, Australia and Christine Citti, INRA, Ecole Nationale Veterinaire de Toulouse and UMR 1225 Interactions Hotes-Agents Pathogenes, Toulouse, France
Pubbl/distr/stampa	Norfolk, England : , : Caister Academic Press, , [2014] ©2014
ISBN	1-908230-93-2
Descrizione fisica	1 online resource (346 p.)
Disciplina	579.3135
Soggetti	Mycoplasmatales Bacterial genetics Virulence (Microbiology) Mycoplasma diseases Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Contributors; Current books of interest; Preface; 1: The Contentious Taxonomy of Mollicutes; Paths to the present; Current controversies; Genome sequence-based taxonomy: a path to the future?; 2: Genomic Mosaics; The Mollicutes in the era of genomics; General features of Mycoplasma genomes; The impact of horizontal gene transfer on Mycoplasma genomics; Conclusions; 3: Molecular Genetic Tools for Mollicutes; Introduction; Transformation of Mollicutes; Random mutagenesis through transposition; Targeted mutagenesis through homologous recombination; Production of unmarked mutations Vectors for gene expression/disruption in Mollicutes Gene expression in Mollicutes; Discussion; 4: Identification and Characterization of Virulence Genes in Mycoplasmas; Introduction; Adhesins; Invasion; Toxin production; Mimicry; Immune evasion; Immunostimulation; Immunosuppression; Multifunctional proteins; Protein secretion;

Scavenging complex nutrients; Other virulence factors; Regulation of virulence genes; Challenges for the future; 5: Post-translational Modification of Proteins in the Mollicutes; Introduction; Post-translational protein processing plays a key role in protein secretion Signal sequences are critical for trafficking proteins to secretion pathways Are signal sequences removed from secreted mycoplasma proteins?; Signal sequences are removed from secreted proteins in *Mycoplasma pneumoniae*; Evidence that proteins are subject to endoproteolytic cleavage in *Mycoplasma pneumoniae*; Signal sequences are not removed during secretion of large mass adhesins in *Mycoplasma hyopneumoniae*; Why are adhesins targets of endoproteolytic cleavage?; Processing of lipoproteins; Endoproteolytic processing in *Mycoplasma gallisepticum*; Protein phosphorylation and acetylation

6: Multifunctional Cytoadherence Factors Introduction; Cytoadherence factors; Non-proteinaceous cytoadherence factors with multiple functions; Membrane proteins as cytoadhesins; Cytoadhesins that are variable in phase, size and antigenicity; Cytoadhesins that help to move; Immune evasion; MSCRAMMs; Mimicry; Secreted cytoadhesins; Moonlighting cytoadhesins; Vice versa: cytoplasmic factors with cytoadhesive functions; 7: The Glycocalyx of Mollicutes; Introduction; Capsule; Polysaccharides; Glycoproteins; Glycolipids; Glycoconjugate synthesis machinery; Summary

8: Glycosidase Activity in Mollicutes Introduction; Virulence-associated glycosidases in Mycoplasmas; Putative roles in cellular biology or disease processes of mycoplasmas; Acquisition, diversity and evolutionary fitness; Therapeutic potential; 9: Current Insights into Phase and Antigenic Variation in Mycoplasmas; Introduction; Genetic mechanisms of *Mycoplasma* phase and antigenic variation at glance; Genetic events mediating phase and antigenic variation in selected *Mycoplasma* species; Biological role and significance of mycoplasma surface antigenic variation; Outlook and future perspectives

10: *Spiroplasma* Transmission from Insects to Plants

Sommario/riassunto

Mollicutes are a class of simple bacteria characterized by the lack of a bacterial cell wall and their very small genomes (580 kb to 2200 kb). This phylogenetically coherent group contains a broad range of different plant and animal pathogens, making it an ideal model for understanding gene function, gene regulation, and the evolution of virulence factors in other bacterial pathogens. The recent development of improved tools for manipulating mollicute genomes has transformed research in this area, permitting new insights into mollicute molecular and cellular biology. An interesting fact to emerge
