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Titolo	Bacterial toxins : genetics, cellular biology and practical applications / / Edited by Thomas Proft
Pubbl/distr/stampa	Norfolk, England : , : Caister Academic Press, , [2013] ©2013
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Descrizione fisica	1 online resource (249 p.)
Disciplina	615.95293
Soggetti	Bacterial toxins 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	Table of Contents; Chapter 1. Receptor-related Risk Factors for Verotoxin Pathogenesis; Verotoxins and their receptors; Receptor glycolipid; B subunit receptor-binding sites; VT signalling and internalization; Cholesterol masking of VT receptors; New model for VTB subunit pentamer binding plasma membrane Gb3; Cholesterol is key for VT-Gb3 retrograde transport; Regulation of Gb3 biosynthesis; Soluble GSL mimics; Conclusions; References; Chapter 2. The Helicobacter pylori CagA Protein: A Multifunctional BacterialToxin Delivered by Type IV Secretion; Introduction The cag pathogenicity island and its effector protein CagAThe Cag type IV secretion system as a toxin delivery system; CagA interaction partners and associated effects in host cells; Conclusions; Chapter 3. Pore-forming Toxins; Introduction; Introduction to Staphylococcus aureus -haemolysin; Nomenclature and early observations; Primary structure and regulation of toxin production; Three-dimensional structure and function; Role in disease pathogenesis; Summary and future perspectives - -toxin Introduction to the cholesterol-dependent cytolysins and membrane attack complex/perforin (MACPF) family proteinsGeneral features of the CDC primary structure; The CDC monomer crystal structure; Secretion of the CDCs; Cellular recognition; The CDC membrane anchoring system; The CDC allosteric pathway; Formation of the prepore

oligomer; Formation of the pore complex; Ring versus arc oligomers; The CDCs and bacterial pathogenesis; The membrane attack complex/perforin (MACPF) proteins; Summary and futureperspectives - CDCs andMACPF proteins; References
Chapter 4. Bacterial Enterotoxins as Immunomodulators and Vaccine AdjuvantsIntroduction; Cholera toxin: the prototype for ADP-ribosylating holotoxin adjuvants; LT: a more complex family of holotoxin adjuvants; Are ADP-ribosylating toxins in general good adjuvants?; Taking toxin adjuvant immunomodulation one step further; Concluding remarks; References; Chapter 5. Mobile Genetic Elements as Carriers for Bacterial Virulence Genes; Core and adaptive genome; The mobile bacterial genome; Mobile genetic elements and their role in virulence; Why MGEs encode exotoxins and other virulence factors? Role of SOS inductionBacteriophage-encoding toxins and other virulence factors; Plasmids encoding toxins; Pathogenicity islands encoding toxins; Open questions; Web resources; References; Chapter 6. The Staphylococcal Superantigen-like Toxins; Introduction; The SSLs - an introduction; Genetics of the ssls; Molecular biology of the SSLs; SSL-related S. aureus immune evasion molecules; Mechanisms of immune evasion mediated by SSLs; Novel SSL-associated applications; Concluding remarks; References; Chapter 7. Botulinum Neurotoxins as Therapeutics; Introduction
Mechanistic basis of BoNTs as therapeutics

Sommario/riassunto

Toxins are virulence determinants that play an important role in microbial pathogenicity and/or evasion of the host immune response. This makes them ideal targets for the development of novel antimicrobial strategies. The potential applications of toxin research extend beyond simply combating microbial pathogens, and include use as novel anti-cancer drugs and other front-line medicines and as tools in neurobiology. In the field of cellular biology, toxins have become invaluable as tools for the manipulation and investigation of fundamental cellular and physiological processes. Research in this

2.

Record Nr.	UNISALENTO991001754469707536
Autore	Slade, Gordon
Titolo	The Lace expansion and its applications : école d'été de probabilités de Saint-Flour XXXIV-2004 / G. Slade ; editor, Jean Picard
Pubbl/distr/stampa	Berlin : Springer, c2006
ISBN	3540311890
Descrizione fisica	xiii, 228 p. : ill. ; 24 cm
Collana	Lecture notes in mathematics, 0075-8434 ; 1879
Classificazione	AMS 60K35 AMS 82B41 AMS 82B43 AMS 60G57 AMS 05A16 LC QA3.L47
Altri autori (Persone)	Picard, Jean
Altri autori (Convegni)	Ecole d'été de probabilités de Saint-Flour <34. ; 2004>
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Livello bibliografico	Monografia
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3.

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Autore	Euripides <480-406 a. C.>
Titolo	Euripidis Hypsipylae fragmenta : Post Grenfellium et Huntium in usum studiosae inventutis / edidit Henricus van Herwerden
Pubbl/distr/stampa	Traiecti ad Rhenum, : Apud A. Oosthoek, 1909
Titolo uniforme	Hypsipyle <in greco>
Descrizione fisica	46 p. ; 25 cm
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Locazione	FLFBC
Collocazione	OPUSC. 45 (012)
Lingua di pubblicazione	Latino
Formato	Materiale a stampa
Livello bibliografico	Monografia