

1. Record Nr.	UNINA9910529502403321
Titolo	Antimicrobial peptides : discovery, design and novel therapeutic strategies // edited by Guangshun Wang
Pubbl/distr/stampa	Oxfordshire, England ; ; Boston, Massachusetts : , : CABI, , [2017] ©2017
ISBN	1-78639-041-8 1-78639-040-X
Edizione	[Second edition.]
Descrizione fisica	1 online resource (xvii, 268 pages) : illustrations
Disciplina	612.015
Soggetti	Peptide antibiotics Drugs - Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Discovery, classification and functional diversity of antimicrobial peptides / Guangshun Wang -- Structural and functional diversity of cathelicidins / Alessandro Tossi, Barbara Skerlavaj, Francesca D'Este and Renato Gennaro -- Disulfide-linked defensins and their therapeutic potential -- Monique von Hoek -- Lantibiotics : bioengineering and applications / Brian Healy and Paul Cotter -- Discovery of novel antimicrobial peptides using combinatorial chemistry and high-throughput screening / Charles G. Starr and William C. Wimley -- Prediction and design of antimicrobial peptides: methods and applications to genomes and proteomes / Guangshun Wang -- Antimicrobial peptides, multiple mechanisms against a variety of targets / Li-av Segev-Zarko, Maria Luisa Mangoni and Yechiel Shai -- Microbial membranes and the action of antimicrobial peptides / Jose Carlos Bozelli Junior, Shirley Schreier and Richard Epanand -- Non-membrane-targeting amps, novel therapeutic opportunities? / Marco Scocchi, Mario Mardirossian, Giulia Runti and Monica Benincasa -- Structural insight into the mechanism of action of antimicrobial peptides and structure-based design / Guangshun Wang -- Synergy of antimicrobial peptides / Moswabar H. Chowdhury, Gill Diamond and Lisa Kathleen Ryan -- Surface immobilization of antimicrobial peptides to prevent biofilm formation / Biswajit Mishra, Scott Reiling and

Guangshun Wang -- Sustained delivery of cathelicidin antimicrobial peptide-inducing compounds to minimize infection and enhance wound healing / Jingwei Xie, Gitali Ganguli-Indra,, Arup K. Indra and Adrian Gombart -- Immunomodulatory activities of cationic host defense peptides and novel therapeutic strategies / Kelli C. Wuerth and Robert Hancock.
