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Titolo	Frontiers in Antimicrobial Resistance : A Tribute to Stuart B. Levy // edited by David G. White, Michael N. Alekshun, Patrick F. McDermott
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Soggetti	Drug resistance in microorganisms Drug resistance in cancer cells
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Nota di contenuto	Tetracycline resistance: efflux, mutation, and other mechanisms / Frederic M. Sapunovic, Mila Aldema-Ramos, and Laura M. McMurry -- Tetracycline resistance due to ribosomal protection proteins / Marilyn C. Roberts -- Discovery and industrialization of therapeutically important tetracyclines / Mark L. Nelson and Steven J. Projan -- Fluoroquinolone resistance / Jordi Vila [beta]-lactam resistance in the 21st century / George Jacoby and Karen Bush -- Macrolide, lincosamide, streptogramin, ketolide, and oxazolidinone resistance / Marilyn C. Roberts and Joyce Sutcliff -- Aminoglycoside resistance mechanisms / David D. Boehr, Ian Moore, and Gerard D. Wright -- Glycopeptide resistance in enterococci / Florence Depardieu and Patrice Courvalin. -- Phenicol resistance / Stefan Schwarz and David G. White -- Multiple antimicrobial resistance / Anthony M. George -- Metal resistance loci of bacterial pathogens / Anne O. Summers -- Biocides and resistance / Bonnie Marshall, Laura M. McMurry, and Merri C. Moken -- The nexus of oxidative stress responses and antibiotic resistance mechanisms in escherichia coli and salmonella / Bruce Dimple -- The mar locus / Thamarai Schneiders, Herbert Haechler, and William Yan -- The mar regulon / Teresa M. Barbosa and Pablo J. Pomposiello -- Identification of mar mutants among clinical bacterial isolates / JoAnn Dzink-Fox and Margret Oethinger -- Structure and function of mara and its homologs / Robert G. Martin and Judah L. Rosner -- Function and structure of mar family members / Michael N.

Alekshun and James F. Head -- Role, structure, and function of multidrug efflux pumps in gram-negative bacteria / Hiroshi Nikaido -- Role of multidrug efflux pumps in gram-positive bacteria / Glenn W. Kaatz -- Advances in vancomycin resistance: research in staphylococcus aureus / Keiichi Hiramatsu [and others] -- Enterococcus / Roland Leclercq and Patrice Courvalin -- Streptococcus pneumoniae / Joyce Sutcliff and Marilyn C. Roberts -- Helicobacter and campylobacter / Patrick F. McDermott and Diane E. Taylor -- Anaerobes / Isabelle Podglajen, Jacques Breuil, and Ekkehard Collatz -- Pseudomonas aeruginosa / Keith Poole -- Antibiotic resistance in salmonella and shigella / E.J. Threlfall -- Antibiotic resistance in escherichia coli / Mark A. Webber and Laura J.V. Piddock -- Epidemiology and treatment options for select community-acquired and nosocomial antimicrobial-resistant pathogens / John E. Gustafson and John D. Goldman -- Drug-resistant falciparum malaria: mechanisms, consequences, and challenges / Karen Hayton [and others] -- Antimicrobial susceptibility testing of bacterial agents of bioterrorism: strategies and considerations / Fred C. Tenover -- Fitness traits in soil bacteria / Fabrice N. Gravelat, Stephen R. Strain, and Mark W. Silby -- Ecology of antibiotic resistance genes / Abigail A. Salyers, Hera Vlamakis, and Nadja B. Shoemaker -- Resistance in the food chain and in bacteria from animals: relevance to human infections / Vincent Perreten -- Antimicrobial use in plant agriculture / Anne K. Vidaver. Overview of mechanisms of resistance to anticancer agents / Michael P. Draper [and others] -- Development of resistance to anticancer agents / David E. Modrak, Graham Jones, and Michael P. Draper -- The birth of the alliance for the prudent use of antibiotics (apua) / Ellen Koenig -- Alliance for the prudent use of antibiotics: scientific vision and public mission / Kathleen T. Young and Thomas F. O'Brien -- Antimicrobial use in animals in the United States: developments in policy and practice / Stephen J. DeVincent and Christina Viola -- From perplexing proteins to paratek pharmaceuticals: one scientific front forged / by Stuart B. Levy / Mark L. Nelson and S. Ken Tanaka.

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