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Titolo	Staphylococcus aureus : Microbiology, Pathology, Immunology, Therapy and Prophylaxis // edited by Fabio Bagnoli, Rino Rappuoli, Guido Grandi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-72063-5
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 540 p.)
Collana	Current Topics in Microbiology and Immunology, , 0070-217X ; ; 409
Disciplina	616.01
Soggetti	Immunology Infectious diseases Vaccines Infectious Diseases Vaccine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Clinical microbiology, transmission and carriage of Staphylococcus aureus -- Worldwide Epidemiology and antibiotic resistance of Staphylococcus aureus -- Structure and function of surface polysaccharides of Staphylococcus aureus -- Structure and function of surface proteins of Staphylococcus aureus -- Staphylococcus aureus pore-forming toxins.-Regulation of Staphylococcus aureus genes -- Staphylococcus aureus-associated Skin and Soft Tissue Infections. - Staphylococcus aureus-associated Musculoskeletal Infections -- Bacteremia, Sepsis, and Infective Endocarditis associated to Staphylococcus aureus -- Staphylococcus aureus as a zoonotic pathogen -- Antibiotic therapy of Staphylococcus aureus -- Innate immune responses against Staphylococcus aureus -- Adaptive immune responses against Staphylococcus aureus -- Immune evasion mechanisms of Staphylococcus aureus -- Vaccines and target populations for Staphylococcus aureus -- Bacteriophage and lysine therapy of Staphylococcus aureus.
Sommario/riassunto	This volume offers a comprehensive overview of basic and applied

aspects of *Staphylococcus aureus*, which is one of the most important human pathogens. It includes sixteen chapters that address the microbiology and immunology of *S. aureus*, the pathology of its key manifestations, and the current standard of care. Further, it reviews cutting-edge advances in alternative therapeutic and prophylactic approaches to antibiotics. All chapters were written by respected experts in the field – presenting recent findings on a diverse range of aspects, they are nonetheless interlinked. As such, the book is a must-read for all researchers, clinicians and technicians engaged in basic or applied science work involving *S. aureus*.
