

1. Record Nr.	UNINA9910830341203321
Autore	Kaufmann Stefan H. E.
Titolo	Immunology of Infectious Diseases // Stefan H. E. Kaufmann, Alan Sher, Rafi Ahmed
Pubbl/distr/stampa	Washington, D.C. : , : ASM Press, , 2002
ISBN	1-68367-234-8
Descrizione fisica	1 online resource (xi, 495 pages) : illustrations
Disciplina	616.90479
Soggetti	Immune response Communicable diseases - Immunological aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contributors -- Preface -- Introduction -- Stefan H. E. Kaufmann -- Alan Sher -- Rafi Ahmed -- I. The Pathogens -- Overview of the Bacterial Pathogens -- Michael Kuhn -- Werner Goebel -- Dana J. Philpott -- Philippe J. Sansonetti -- Overview of the Fungal Pathogens -- Luigina Romani -- Overview of the Parasitic Pathogens -- Edward J. Pearce -- Rick L. Tarleton -- Overview of the Viral Pathogens -- Jonathan W. Yewdell -- Jack R. Bennink -- II. The Anti-Infective Immune Response -- Evolution of the Host Defense System -- Austin L. Hughes -- III. Innate Immunity -- Pathocytes and Anti-Infective Immunity -- Gordon D. Brown -- Siamon Gordon -- Innate Immunity in Bacterial Infections -- Emil Unanue -- Defensins and Cathelicidins: Antimicrobial Peptide Effectors of Mammalian Innate Immunity -- Tomas Ganz -- Robert I. Lehrer -- Innate Immunity to Parasitic Infections -- Christopher A. Hunter -- Alan Sher -- Innate Immunity and Fungal Infections -- Amy C. Herring -- Gary B. Huffnagle -- Innate Immunity and Viral Infections -- Christine A. Biron -- Marc Dalod -- Thais P. Salazar-Mather -- IV. Acquired Immunity -- The Th1/Th2 Paradigm in Infections -- Tim R. Mosmann -- Deborah J. Fowell -- Immunological Memory and Infection -- Rafi Ahmed -- J. Gibson Lanier -- Eric Pamer -- Regional Immune Response to Microbial Pathogens -- Marian R. Neutra -- Jean-Pierre Kraehenbuhl -- Acquired Immunity against Bacteria -- Helen L. Collins -- Stefan H. E. Kaufmann -- Acquired Immunity against Fungi -- Arturo Casadevall -- Adaptive

Immune Effector Mechanisms against Intracellular Protozoa and Gut-Dwelling Nematodes -- Philip Scott -- Richard K. Grensis -- Acquired Immunity against Viral Infections -- Eva Szomolanyi-Tsuda -- Michael A. Brehm -- Raymond M. Welsh -- V. Pathology -- Autoimmunity as a Consequence of Infection -- Kai W. Wucherpfenning -- Nilufer P. Seth -- Pathology and Pathogenesis of Bacterial Infections -- Steffen Stenger -- Robert Modlin -- Pathology and Pathogenesis of Parasitic Disease -- Thomas A. Wynn -- Dominic Kwiatkowski -- Pathology and Pathogenesis of Virus Infections -- Shawn P. O'Neil -- Wun-Ju Shieh -- Sherif R. Zaki -- VI. Evasion and Latency -- Bacterial Persistence: Strategies for Survival -- Ernesto J. Munoz-Elias -- John D. McKinney -- Viral Immune Evasion -- David C. Johnson -- Grant McFadden -- Immune Evasion by Parasites -- John M. Mansfield -- Martin Olivier -- VII. Immunogenetics -- Immunogenetics of the Host Response to Bacteria and Parasites in Humans -- Laurent Abel -- Jean-Laurent Casanova -- Immunogenetics of the Host Response to Bacteria in Mice -- Philippe Gros -- Erwin Schurr -- Immunogenetics of the Host Response to Viral Infections -- Michael Brahic -- Charles M. Bangham -- Gabriel Gachelin -- Jean-Francois Bureau -- VIII. Immune Intervention -- Immune Intervention in Tuberculosis -- Douglas B. Young -- Brian D. Robertson -- Immune Intervention in AIDS -- Guido Silvestri -- Mark B. Feinberg -- Index.

Sommario/riassunto

An integrated view of the principal aspects of immune response to all types of infectious agents, emphasizing the immune system as a host defense system. Illustrates how the dialogue between different types of pathogens and the host immune system, as well as the cross-talk between the different members of the immune response, works. Serves as valuable reading for microbiologists interested in pathogenesis and immunology; clinicians with an interest in immunology, virology, vaccine development, infectious diseases, bacteriology, parasitology, pathology, and cell biology; and immunologists wanting to expand their knowledge of infectious diseases and their causative agents.
