

1. Record Nr.	UNINA9910784631303321
Titolo	Mucosal immunology [[electronic resource] /] / edited by Jiri Mestecky ... [et al.]
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier Academic Press, c2005
ISBN	1-280-63357-3 9786610633579 0-08-045426-7
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (1995 p.)
Altri autori (Persone)	MesteckyJiri <1941->
Disciplina	616.07/9
Soggetti	Mucous membrane - Immunology Immunity
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	front cover; copyright; front matter; Preface to the First Edition; Preface to the Second Edition; Preface to the Third Edition; Contributors; table of contents; Historical Aspects of Mucosal Immunology; body; Part I Mucosal Immune System; Section A Mucosal Barrier: Development and Physiology of Mucosal Defense; 1 Development and Physiology of Mucosal Defense: An Introduction; 2 Mucosal Microbiota; 3 Adhesion of Bacteria to Mucosal Surfaces; 4 Mucus; 5 Innate Humoral Defense Factors; 6 Defensins and Other Antimicrobial Peptides and Proteins 7 Cellular and Molecular Basis for Antigen Transport Across Epithelial Barriers8 Structure and Function of Intestinal Mucosal Epithelium; 9 Mucosal Immunoglobulins; 10 Organization and Expression of Genes Encoding IgA Heavy Chain, Polymeric Ig Receptor, and J Chain; 11 Phylogeny and Comparative Physiology of IgA; 12 Immunoglobulin Transport and the Polymeric Immunoglobulin Receptor; 13 Fc Receptors; 14 Biological Activities of IgA; 15 Microbial Evasion of IgA Functions; 16 Ontogeny of Mucosal Immunity and Aging; 17 Phylogeny of the Gut-Associated Lymphoid Tissue (GALT) 18 The Role of Mucosal Microbiota in the Development, Maintenance, and Pathologies of the Mucosal Immune SystemSection B Inductive and Effector Tissues and Cells of the Mucosal Immune System; 19 Inductive and Effector Tissues and Cells of the Mucosal Immune System: An

Overview; 20 Bronchus-Associated Lymphoid Tissues; 21 Development and Function of Organized Gut-Associated Lymphoid Tissues; 22 Human Gut-Associated Lymphoid Tissues; 23 Nasal-Associated Lymphoid Tissue; 24 Role of Epithelium in Mucosal Immunity; 25 Role of Epithelial Cells in Mucosal Antigen Presentation  
26 Antigen Handling and Presentation by Mucosal Dendritic Cells and Macrophages  
27 Oral Tolerance: Physiologic Basis and Clinical Applications; 28 Th1/Th2/Th3 Cells for Regulation of Mucosal Immunity, Tolerance, and Inflammation; 29 Cytotoxic T Cells of the Mucosal Immune System; 30 Development, Function, and Specificity of Intestinal Intraepithelial Lymphocytes; 31 IgA B Cell Development; 32 The Human Mucosal B-Cell System; 33 B-1 Cells and the Mucosal Immune System; 34 Lymphocyte Homing: Chemokines and Adhesion Molecules in T cell and IgA Plasma Cell Localization in the Mucosal Immune System  
35 Proinflammatory Cytokines and Signaling Pathways in Intestinal Innate Immune Cells  
36 Mast Cells In Mucosal Defenses and Pathogenesis; 37 Eosinophils; 38 Neuropeptides for Mucosal Immunity; Section C Mucosal Immunity and Infection; 39 Mucosal Immunity and Infection: An Overview; 40 Bacterial Interactions with Mucosal Epithelial Cells; 41 Virus Infection of Epithelial Cells; 42 Mucosal Immunity to Bacteria; 43 Mucosal Immunity to Viruses; 44 Mucosal Immune Response to Parasitic Infections; 45 Parenteral Immunization Induces Mucosal Protection: A Challenge to the Mucosal Immunity Paradigm  
46 Passive Immunization: Systemic and Mucosal

---

Sommario/riassunto

Mucosal immunology is so important since most infectious agents enter the body through the various mucous membranes, and many common infections take place in or on mucous membranes. Mucosal Immunology, now in its third edition, is the only comprehensive reference covering the basic science and clinical manifestations of mucosal immunology. This book contains new research data, exceptional illustrations, original theory, a new perspective and excellent organization.\* The most comprehensive text on mucosal immunology from internationally recognized experts in the field\* Includ

---