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KEY=QUICK - CHANEL IBARRA

Quick Look Books in Immunology

Wiley-Blackwell This new series offers everything medical students need for efficient and effective preparation for the USMLE Step 1 exam. Relying on comprehensive illustrations and concise text, this unique format allows students to focus on the high-impact essentials of each field. Including review and study questions with full explanation, the Quick Look Medicine books will be a key to successful exam performance.

Janeway's Immunobiology

Garland Science The Janeway's Immunobiology CD-ROM, Immunobiology Interactive, is included with each book, and can be purchased separately. It contains animations and videos with voiceover narration, as well as the figures from the text for presentation purposes.

Molecular Biology of the Cell

Really Essential Medical Immunology

Wiley-Blackwell This new edition of Really Essential Medical Immunology builds on the success of the first edition and includes a fresh contemporary look and easy-to-navigate feel, with fully updated content and materials. Really Essential Medical Immunology Second Edition is a concise, manageable and portable textbook, based on the original and best-selling Roitt's Essential Immunology, and is specifically designed and written for busy medical and science students getting to grips with the subject of immunology. The book is divided into five different parts covering: The basis of immunology The recognition of antigens The acquired immune response Immunity of infection Clinical immunology Really Essential Medical Immunology: Contains only the absolute essentials that students need to know Lays out information in a clear, easy-to-navigate format Includes revision summary boxes to help get the best results in exams Describes concepts visually through the use of clear, simple full colour diagrams Is a must-buy for busy students who need to find information fast and easy

Rapid Review Microbiology and Immunology E-Book

Elsevier Health Sciences Get the most from your study time, and experience a realistic USMLE simulation with Rapid Review Microbiology and Immunology, 3rd Edition, by Drs. Ken S. Rosenthal and Michael J. Tan. This new reference in the highly rated Rapid Review Series is formatted as a bulleted outline with photographs, tables and figures that address all the microbiology and immunology information you need to know for the USMLE. And with Student Consult functionality, you can become familiar with the look and feel of the actual exam by taking a timed or a practice test online that includes 400 USMLE-style questions. Access all the information you need to know quickly and easily with a user-friendly, two-color outline format that includes High-Yield Margin Notes. Take a timed or a practice test online with more than 400 USMLE-style questions and full rationales for why every possible answer is right or wrong. Review the most current information with completely updated chapters, images, and questions, including a new chapter on Laboratory Tests for Diagnosis. Profit from the guidance of series editor, Dr. Edward Goljan, a well-known author of medical study references, who is personally involved in content review. Study and take notes more easily with the new, larger page size. Practice with a new testing platform on USMLE Consult that gives you a realistic review experience and fully prepares you for the exam. Review your understanding of how to interpret lab results in a new chapter on Laboratory Tests for Diagnosis.

It's Not Easy Being an Immunologist and Looking This Good

Blank-Lined Journal/Notebook/Diary for Immunologists & STEM Students - Cool Birthday Present & Immunology Gift

Let Your Creativity Flow with The Freedom of a Blank Lined Notebook A fantastic personalized present or a great treat for yourself, this 6 x 9 inches paperback journal comes with 120 lined pages that are created for everyday use. This cute personalized name notebook is perfect for passing notes, scrapbooking, sketching, drawing and organizing all of your user names and passwords. With lots of lined white pages, there's plenty of room to jot down your visions. This notebook is motivational themed to help you make huge leaps towards your dreams by writing and reflecting on your daily activities and going over them again to track your monthly progress. This journal to write in is an amazing piece for note taking, journaling, to-do-list or planning. You can also use it as a pocket diary to keep daily records of events and pen your thoughts, ideas and memories. This multiple-paged journal is compact enough to carry in your bag or backpack for easy movement. Grab one for yourself and a few for your friends!

Review of Medical Microbiology and Immunology, Tenth Edition

McGraw Hill Professional Ace the USMLE Step 1 and course exams-with the most concise, easy-to-use, and frequently updated medical microbiology and immunology review! To put your preparation for USMLE Step 1 and course exams on the fast track, only one resource will do: Review of Medical Microbiology & Immunology. Completely updated throughout, the Tenth Edition presents a high-

yield review of the basic and clinical aspects of bacteriology, virology, mycology, parasitology, and immunology. Importantly, the book also emphasizes the real-world clinical application of microbiology and immunology to infectious diseases. One look, and you'll see why it's the definitive microbiology course and exam quick review! Everything you need to thoroughly and rapidly prepare for the exam: The most frequently updated microbiology review available-one that enhances your understanding of the clinical relevance of microbiology Over 600 sample questions to test your knowledge A complete USMLE-style exam with case-based questions Review questions and case studies to reinforce essential material

Immunology at a Glance

John Wiley & Sons Immunology at a Glance provides a user-friendly overview of the body's defence mechanisms. Ideal from day one of a medical, biomedical or life science course, the text begins with a basic overview of both adaptive and innate immunity, before progressing to applied immunological concepts, which look at what happens when things go wrong, and how, in clinical medicine, each body system can be affected by immunity. Each double-page spread corresponds to a typical lecture and diagrammatically summarises core concepts in immunology, through accessible schematic diagrams on left-hand pages, with key points concisely summarised on the right-hand page. There are also self-assessment essay questions so you can test your knowledge. New for this 10th edition: Thoroughly updated and reorganised chapters offer greater clarity and easier understanding for those new to the subject. New chapters on cytokine receptors and 'Immunology in the Laboratory' A completely re-written section on autoimmunity. A brand new companion website featuring self-assessment questions and PowerPoint slides of images from the book, ideal for teaching and revision at <http://www.ataglanceseries.com/immunology> Immunology at a Glance is the ideal companion for anyone about to start a new course in immunology and will appeal to medical and biomedical science students. Perfect for exam preparation, it provides the concepts and frameworks you need to succeed in your exam.

Immunology Made Ridiculously Simple

A brief overview of the basic science and clinical aspects of immunology. The basic science section is a clear presentation of innate and adaptive immunity, immune cells, antibodies and antigens, and other components of the immune system and their interactions. The clinical section clarifies hypersensitivity, autoimmunity, immunodeficiency, common diagnostic tests, vaccination, transplantation, and tumor immunology.

Cellular and Molecular Immunology E-Book

Elsevier Health Sciences Popular for its highly visual, straightforward approach, Cellular and Molecular Immunology delivers an accessible yet thorough understanding of this active and fast-changing field. Drs. Abul K. Abbas, Andrew H. Lichtman, and Shiv Pillai present key updates in this new edition to cover the latest developments in antigen receptors and signal transduction in immune cells, mucosal and skin immunity, cytokines, leukocyte-endothelial interaction, and more. With additional online features, this is an ideal resource for medical, graduate and undergraduate students of immunology who need a clear, introductory text for immunology courses. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Develop a thorough, clinically relevant understanding of immunology through a clear overview of immunology with a distinct focus on the management of human disease. Visualize immunologic processes more effectively. Meticulously developed and updated illustrations, 3-dimensional art, and all-new animations provide a detailed, visual description of the key immunologic and molecular processes. Grasp the details of experimental observations that form the basis for the science of immunology at the molecular, cellular, and whole-organism levels and draw the appropriate conclusions. Find information more quickly and easily through an organized chapter structure and a more logical flow of material. Glean all essential, up-to-date, need-to-know information about immunology and molecular biology through extensive updates that cover cytokines, innate immunity, leukocyte-endothelial interactions, signaling, costimulation, and more. Benefit from numerous new figures and tables that facilitate easier retention of the material; quick summaries of each chapter; and nearly 400 illustrations that clarify key concepts.

Flow Cytometry and Cell Sorting

Springer Science & Business Media The analysis and sorting of large numbers of cells with a fluorescence-activated cell sorter (FACS) was first achieved some 30 years ago. Since then, this technology has been rapidly developed and is used today in many laboratories. A Springer Lab Manual Review of the First Edition: "This is a most useful volume which will be a welcome addition for personal use and also for laboratories in a wide range of disciplines. Highly recommended." CYTOBIOS

Review of Medical Microbiology and Immunology

Completely updated throughout, this 10th edition offers a concise, high-yield review of the basic and clinical aspects of bacteriology, virology, mycology, parasitology and immunology, with an emphasis on the clinical application of microbiology and immunology to infectious diseases.

Manual of Allergy and Immunology

Lippincott Williams & Wilkins The fifth edition of the Manual of Allergy and Immunology is designed to serve health care professionals in the diagnosis and management of allergic and other immunological disorders. The manual presents the basic and essential material and provides specific information to assist in clinical decision-making and treatment planning. The specialist will find this manual a convenient reference handbook, while the generalist will be able to use the Manual as a helpful guide in formulating a diagnostic and therapeutic approach to patients suspected of having an allergic or immunologic disorder. Students, house officers, and other health care professionals will find the Manual a useful guide to the clinical practice of allergy and immunology. New for this edition: • Additional tables provide extensive data for basic and clinical understanding • Increased use of algorithms to help provide quick diagnosis • References include both published literature and authoritative Internet resources for more extensive discussion of each subject • Therapeutic recommendations are consistent with current evidence-based guidelines to provide the latest information • Uses the familiar Lippincott Manual outline format to organize information and save time in looking up information

Chapel and Haeney's Essentials of Clinical Immunology

John Wiley & Sons CHAPEL AND HAENEY'S ESSENTIALS OF CLINICAL IMMUNOLOGY The Essentials are an international, best-selling series of textbooks, all of which are designed to support lecture series or themes on core topics within the health sciences. See www.wiley.com for further details. The fully updated new edition of the classic textbook, introducing the pathophysiology and management of immunological disorders Chapel and Haeney's Essentials of Clinical Immunology contains the knowledge necessary to understand the diagnosis and treatment of immunological disorders. With easy-to-read text and a wealth of colour clinical images and diagrams, this well-regarded textbook introduces complex concepts using effective pedagogical tools such as bulleted lists, key point boxes, real-life case studies, practical examples, figures and tables, chapter introductions, and keywords in bold integrated in each

chapter. Fully updated throughout, the seventh edition provides up-to-date coverage of the clinical relevance that immunology has in medicine. These new and revised sections examine current research trends, the implementation of automation in laboratories, the emerging field of neuro-psychiatric disorders such as NMDA receptor encephalitis and more. This edition includes new end-of-chapter summaries, updated clinical information, additional real-life case histories illustrating key concepts, and linking immunological testing to diseases. The new edition also includes: Covers the investigations required for diagnosis of immunological disorders and for management of patients Describes what occurs when diagnosing conditions in real-world laboratories Features case studies highlighting the connections between immunological theory and clinical cases Includes an updated companion website that features: case studies, interactive questions, photographs, illustrations, web links and review articles from the journal *Clinical and Experimental Immunology* Chapel and Haeney's *Essentials of Clinical Immunology* is an ideal resource for clinical medical students, junior doctors, medical residents and other medical professionals who are looking to expand or refresh their knowledge in clinical immunology, as well as being an excellent introductory textbook for undergraduate courses in the subject. For more information on the complete range of Wiley medical student and junior doctor publishing, please visit: www.wiley.com To receive automatic updates on Wiley books and journals, join our email list. Sign up today at www.wiley.com/email All content reviewed by students for students Wiley Medical Education books are designed exactly for their intended audience. All of our books are developed in collaboration with students. This means that our books are always published with you, the student, in mind If you would like to be one of our student reviewers, go to www.reviewmedicalbooks.com to find out more. This title is also available as an e-book. For more details, please see www.wiley.com/buy/9781119542384

Introductory Immunology

Basic Concepts for Interdisciplinary Applications

Academic Press *Introductory Immunology* quickly acquaints readers with natural immune responses manifesting in diseases and disorders. The book presents a complete picture of natural defenses to infectious agents, as well as the mechanisms that lead to autoimmune dysfunction. In addition, it examines immunologically based diseases, giving the reader sufficient knowledge to make sound clinical decisions leading to better treatment outcomes. *Introductory Immunology* is aimed at researchers, postgraduates, or any scientifically inclined reader interested in immunology. No prior expertise in medical, biochemical, or cellular science is needed to benefit from the clear presentation of immunology concepts in this book. Quick, concise introduction to immunological concepts

Breaks down all of immunology into manageable, logically digestible building blocks Geared toward readers without medical, biochemical, or cellular expertise

Incredible Immunity Now!

Secrets To Better Health, Vitality and Immunity

ACO Publishing How Strong Would You Like it To Be? Want better immunity support, a stronger immune system boost, healthier mindset and immune system NOW? Are you one of those people who seem to catch every bug, cold and sniffle that makes the rounds at work, public or home? Do you find yourself wondering what steps you could take to keep this from happening on a seemingly daily basis? There is a new solution. Incredible Immunity Now has the answers in a quick and easy to read format that helps you bolster your immune system. The road to improved immunity is not a destination but a journey. Incredible Immunity Now teaches you the root CAUSE of the immune system compromise and provides you with practical solutions to strengthen and improve your immune system. The results - better illness prevention, faster recovery times and lessening of symptoms. ü Discover new techniques and methods ü New foods and supplements ü Feel better, safer and stronger ü Change your life! Secrets To Better Health, Vitality and Immunity Do You Want Better Health, Stronger Body and Incredible Immunity Now? It is time to turn that elusive dream into a concrete reality. The world today is rife with pollution, poison and toxins that attack your body, mind and immune system in a constant barrage. You, however, are capable of fighting back and winning the war against sickness. Incredible Immunity Now will lead you on an amazing journey of discovery, explain the problems that CAUSE the immune system booster to struggle and the SOLUTIONS you CAN implement to boost your own body ecology and immunity fix through the roof! Feel stronger, better and more powerful than you thought possible and help yourself to prevent illness. This amazing new book that is taking the internet by storm has been carefully researched and backed up with science. You'll learn new techniques for controlling stress, new methods of immune defense to manage your health, an introduction to immunology and new foods and drinks to boost your immunity. If you buy one book this year, make it this one, it can literally change your life! Get It Now! Yes please, I'd LOVE to take control of my life, my health and my immunity NOW! I want to get my full copy of Incredible Immunity Now!

Quick Look Immunology

Basic Immunology

Functions and Disorders of the Immune System

W B Saunders Company The 2nd edition of this popular text emphasizes the fundamental concepts and principles of human immunology that students need to know, without overwhelming them with extraneous material. It leads the reader to a firm understanding of basic principles, using full-color illustrations; short, easy-to-read chapters; color tables that summarize key information clinical cases; and much more-all in a conveniently sized volume that's easy to carry. The New Edition has been thoroughly updated to reflect the many advances that are expanding our understanding of the field. The smart way to study! Elsevier titles with STUDENT CONSULT will help you master difficult concepts and study more efficiently in print and online! Perform rapid searches. Integrate bonus content from other disciplines. Download text to your handheld device. And a lot more. Each STUDENT CONSULT title comes with full text online, a unique image library, case studies, USMLE style questions, and online note-taking to enhance your learning experience. Your purchase of this book entitles you to access www.studentconsult.com at no extra charge. This innovative web site offers you... Access to the complete text and illustrations of this book. Integration links to bonus content in other STUDENT CONSULT titles. Content clipping for your handheld. An interactive community center with a wealth of additional resources. The more STUDENT CONSULT titles you buy, the more resources you can access online! Look for the STUDENT CONSULT logo on your favorite Elsevier textbooks!

The Beautiful Cure

The Revolution in Immunology and What It Means for

Your Health

University of Chicago Press “Visceral.”—Wall Street Journal “Illuminating.”—Publishers Weekly “Heroic.”—Science The immune system holds the key to human health. In *The Beautiful Cure*, leading immunologist Daniel M. Davis describes how the scientific quest to understand how the immune system works—and how it is affected by stress, sleep, age, and our state of mind—is now unlocking a revolutionary new approach to medicine and well-being. The body’s ability to fight disease and heal itself is one of the great mysteries and marvels of nature. But in recent years, painstaking research has resulted in major advances in our grasp of this breathtakingly beautiful inner world: a vast and intricate network of specialist cells, regulatory proteins, and dedicated genes that are continually protecting our bodies. Far more powerful than any medicine ever invented, the immune system plays a crucial role in our daily lives. We have found ways to harness these natural defenses to create breakthrough drugs and so-called immunotherapies that help us fight cancer, diabetes, arthritis, and many age-related diseases, and we are starting to understand whether activities such as mindfulness might play a role in enhancing our physical resilience. Written by a researcher at the forefront of this adventure, *The Beautiful Cure* tells a dramatic story of scientific detective work and discovery, of puzzles solved and mysteries that linger, of lives sacrificed and saved. With expertise and eloquence, Davis introduces us to this revelatory new understanding of the human body and what it takes to be healthy.

The Limits of the Self

Immunology and Biological Identity

OUP USA Immunology asserts that an individual can be defined through self and nonself. Thomas Pradeu argues that this theory is inadequate, because immune responses to self constituents and immune tolerance of foreign entities are the rule, not the exception.

BIOS Instant Notes in Immunology

Taylor & Francis BIOS Instant Notes in Immunology, Third Edition, is the perfect text for undergraduates looking for a concise introduction to the subject, or a study guide to use before examinations. Each topic begins with a summary of essential facts—an ideal revision checklist—followed by a description of the subject that focuses on core information, with clear,

On Immunity

An Inoculation

Graywolf Press A New York Times Best Seller A National Book Critics Circle Award Finalist A New York Times Book Review Top 10 Book of the Year A Facebook "Year of Books" Selection One of the Best Books of the Year * National Book Critics Circle Award finalist * The New York Times Book Review (Top 10) * Entertainment Weekly (Top 10) * New York Magazine (Top 10)* Chicago Tribune (Top 10) * Publishers Weekly (Top 10) * Time Out New York (Top 10) * Los Angeles Times * Kirkus * Booklist * NPR's Science Friday * Newsday * Slate * Refinery 29 * And many more... Why do we fear vaccines? A provocative examination by Eula Biss, the author of Notes from No Man's Land, winner of the National Book Critics Circle Award Upon becoming a new mother, Eula Biss addresses a chronic condition of fear-fear of the government, the medical establishment, and what is in your child's air, food, mattress, medicine, and vaccines. She finds that you cannot immunize your child, or yourself, from the world. In this bold, fascinating book, Biss investigates the metaphors and myths surrounding our conception of immunity and its implications for the individual and the social body. As she hears more and more fears about vaccines, Biss researches what they mean for her own child, her immediate community, America, and the world, both historically and in the present moment. She extends a conversation with other mothers to meditations on Voltaire's Candide, Bram Stoker's Dracula, Rachel Carson's Silent Spring, Susan Sontag's AIDS and Its Metaphors, and beyond. On Immunity is a moving account of how we are all interconnected-our bodies and our fates.

Oxford Handbook of Clinical Immunology and Allergy

Oxford University Press The Oxford Handbook of Clinical Immunology and Allergy is a unique, practical and clinically relevant guide to assist with the diagnosis and management of immunological/allergic disease, and the correct selection and interpretation of immunological tests.

Nutrition and Immunity

Springer This volume provides readers with a systematic assessment of current literature on the link between nutrition and immunity. Chapters cover immunonutrition topics such as child development, cancer, aging, allergic asthma, food intolerance, obesity, and chronic critical illness. It also presents a thorough review of microflora of the gut and the essential role it plays in regulating the balance between immune tolerance and inflammation. Written by experts in the field, Nutrition and Immunity helps readers to further understand the importance of healthy dietary patterns in relation to providing immunity against disorders and offering readily available immunonutritional programming in clinical care. It will be a valuable resource for dietitians, immunologists, endocrinologists and other healthcare professionals.

Basic Immunology

Functions and Disorders of the Immune System

Saunders The Updated 2nd Edition of this popular text emphasizes the fundamental concepts and principles of human immunology that students need to know, without overwhelming them with extraneous material. It leads the reader to a firm understanding of basic principles, using full-color illustrations; short, easy-to-read chapters; color tables that summarize key information clinical cases; and much more all in a conveniently sized volume that's easy to carry. Presents all of the most important principles that govern the function of the immune system. Extrapolates key concepts from the vast amount of experimental data that has emerged. Focuses on the cellular interactions in immune responses rather than describing in detail many of the underlying biochemical and molecular mechanisms. Emphasizes immune responses in human rather than experimental animals, drawing upon parallels with experimental situations only when necessary. Uses clear, crisp illustrations, diagrams, figures, charts and tables to highlight important principles. Illustrates how the principles of immunology may be applied to common human diseases through clinical cases in the Appendix. Features an easy-to-read layout; summarizes chapter content in bulleted lists accompanied by review questions; and offers a list of selected readings. Includes access to www.studentconsult.com, an innovative website that allows you to build a personalized, fully integrated, online library, where you'll find... The entire contents of every STUDENT CONSULT title you purchase. Integration links to bonus content in other STUDENT CONSULT titles. Powerful search capabilities- View all excerpts relevant to keyword or subject

searches (up to 300 words per hit) from every book in the series. Image library POCKETConsult- Download portions of your personal library onto your handheld. Student resources- Sharpen your skills, stay informed, and have fun! More! Incorporates all of the scientific advances that are expanding the knowledge base in this rapidly evolving field - including emerging topics such as regulatory T cells and tolerance and autoimmunity. Updated suggested reading list.

Mucosal Immunology

This Second Edition of Mucosal Immunology is the only comprehensive reference covering the basic science and clinical manifestations of mucosal immunology. It has been thoroughly revised and expanded with 29 completely new chapters and color illustrations. The text includes information on all of the clinically important mucosal diseases and provides a comprehensive look at the new oral vaccines designed to combat them. The book is divided into 97 chapters for quick reference. Key Features * Thoroughly revised and expanded * 29 completely new chapters * Includes all clinically important mucosal diseases * Divided into 97 chapters for quick reference * Color illustrations * Internationally renowned authors and editors * Comprehensive coverage of new oral vaccines

Lecture Notes: Immunology

John Wiley & Sons Highly Commended at the British Medical Association Book Awards 2016 Immunology Lecture Notes provides a thorough grounding in basic concepts of immunity. Covering the core components of the immunology curriculum at medical school, it presents a concise overview of the immune system, its interactions with pathogens, the major areas of immunopathology, including immunodeficiency, allergy, autoimmunity, lymphoproliferative diseases and transplantation, and their therapy. Immunology Lecture Notes includes: Full-colour descriptive illustrations and diagrams throughout, supplemented by new molecular graphics and anatomical scans New clinical cases developed as themes throughout the book to illustrate the practical application of immunological principles Fully updated self-assessment questions with expanded explanation of answers With learning objectives and key points guiding you through the vital concepts, Immunology Lecture Notes will help you to address the key disorders of the immune system, and use immunological developments in clinical practice.

Review of Medical Microbiology and Immunology, Eleventh Edition

McGraw-Hill Medical Ace the USMLE Step 1 and course exams with the most concise, easy-to-use, and frequently updated medical microbiology and immunology review Now in Full Color! A Doody's Core Title for 2011! "This book has a tradition with medical students that is well deserved. As with past versions, this one is well organized and easy to use. It is an excellent resource for reviewing a large amount of information in a quick and efficient manner. 3 Stars."--Doody's Review Service To put your preparation for USMLE Step 1 and course exams on the fast track, only one resource will do: Review of Medical Microbiology and Immunology. Completely updated throughout, the Eleventh Edition presents a high-yield review of the basic and clinical aspects of bacteriology, virology, mycology, parasitology, and immunology. Importantly, the book also emphasizes the real-world clinical application of microbiology and immunology to infectious diseases. One look, and you'll see why it's the definitive microbiology course and exam quick review! Everything you need to thoroughly and rapidly prepare for the exam! More than 600 sample questions to test your knowledge A complete USMLE-style exam with case-based questions Review questions and case studies Summaries of important microorganisms Summary tables that emphasize the need-to-know aspects of infectious diseases Basic science pearls that summarize fundamental concepts Information-packed tables and figures Pearls for the USMLE provide concise, valuable information for exams 70 color images, including Gram stains, bacteriological lab tests, viral electron micrographs and inclusion bodies, fungal stains, as well as protozoan and worm micrographs More than 100 clinical images on www.LangeTextbooks.com/Levinson Here's why this is THE definitive microbiology course and exam quick review (Condensed Table of Contents): Basic Bacteriology, Clinical Bacteriology, Basic Virology, Clinical Virology, Mycology, Immunology, Ectoparasites, Brief Summaries of Medically Important Organisms, Clinical Cases, Pearls for the USMLE, USMLE (National Board) Practice Questions, USMLE (National Board) Practice Examination

Veterinary Immunology

Principles and Practice, Second Edition

CRC Press Veterinary Immunology: Principles and Practice has become the adopted text in numerous veterinary schools throughout the world. Widely updated with advances in knowledge since 2011, this second edition reflects the rapid development in the field. The new edition presents expanded information on commonly used diagnostic test procedures and discusses

Microbiology and Immunology

Elsevier Health Sciences Rev. ed. of: Microbiology and immunology / Ken S. Rosenthal, James S. Tan. 2nd ed. c2007.

Immunology Guidebook

Elsevier The Immunology Guidebook provides an easily accessible text-reference to the more up-to-date and difficult concepts in the complex science of immunology. It aims to demystify basic concepts and specialised molecular and cellular interactions. Its 18 chapters offer a logical and sequential presentation where much of the data is displayed in carefully designed tables. This book is intended for immunology students, researchers, practitioners and basic biomedical scientists. Tables provide a quick reference to 'difficult to find' immunology data A distillate of the latest information on immunogenetics of the human MHC associated with tissue transplantation Information boxes featurw related web resources

Immunology, a Synthesis

Sinauer Associates, Incorporated In this second, revised edition of a textbook, E.S. Golub joins forces with D.R. Green to provide an up-to-date synthesis of modern immunology, spanning the full range of molecular, cellular and clinical immunology. Continuing in the tradition of the first edition and of The Cellular Basis of the Immune Response, Golub and Green describe immunology as a process by using experimental design and by following the sequence of experiments that have led to the current state of knowledge in the field.

Immunology at a Glance

Wiley-Blackwell The At a Glance series sets out to summarise the essential information about a particular subject for the student requiring a quick introduction or a guide to revision. This is achieved by taking each part of the subject in turn and condensing it into a two-page spread with a schematic diagram on the left and a concise explanation on the right. This book presents a broad look at immunology with the aid of a series of thoughtfully constructed sketches to show the mechanisms involved in immunological processes. It covers: the scope of immunology cellular and hormonal factors immunology of infectious disease antibody formation, structure and function immunology of cancer hypersensitivity autoimmunity and immunodeficiency. The sixth edition features two new spreads on antigen recognition and processing, and cell interactions which together comprise the antibody response which is now divided into two sections. Throughout this new edition, the major emphasis has been the advances of our knowledge of the genetic basis of immunology. The appendix of CD classification has also been updated.

Medical Immunology

CRC Press With an abundance of illustrations, diagrams, and algorithms, this sixth edition of Medical Immunology provides a reader-friendly review of critical material on the current diagnostic and clinical applications of immunology. Organized into four sections that describe clinical applications, methodological advances, immunological diseases, and innova

Fundamental Immunology

Lippincott Williams & Wilkins Fundamental Immunology Seventh Edition This standard-setting textbook has defined the field of immunology since 1984, and is now in its Seventh Edition continuing to deliver the detailed, authoritative, and timely coverage readers expect. This comprehensive, up-to-date text is ideal for graduate students, post-doctoral fellows, basic and clinical immunologists, microbiologists and infectious disease physicians, and any physician treating diseases in which immunologic mechanisms play a role. Now full-color throughout the book's fully revised and updated content reflects the latest advances in the field. Current insights enhance readers' understanding of immune system function. The text's unique approach bridges the gap between basic immunology and the disease process. Extensive coverage of molecular biology explains the molecular dynamics underlying immune disorders and their treatment. Abundant illustrations and tables deliver essential information at a glance. Plus a

convenient companion website features the fully searchable text with all references linked to PubMed. Look inside and discover... * Fully revised and updated content reflects the latest advances in the field. * Current insights enhance readers' understanding of immune system function * Unique approach bridges the gap between basic immunology and the disease process. * Extensive coverage of molecular biology explains the molecular dynamics underlying immune disorders and their treatment. * Abundant illustrations and tables deliver essential information at a glance. PLUS... A convenient companion website features the fully searchable text with all references linked to PubMed. Pick up your copy today!

NETosis: At the Intersection of Cell Biology, Microbiology, and Immunology

Frontiers E-books NETosis is a unique form of cell death that is characterized by the release of decondensed chromatin and granular contents to the extracellular space. The initial observation of NETosis placed the process within the context of the innate immune response to infections. Neutrophils, the most numerous leukocytes that arrive quickly at the site of an infection, were the first cell type shown to undergo extracellular trap formation. However, subsequent studies showed that other granulocytes are also capable of releasing nuclear chromatin following stimulation. The extracellular chromatin acts to immobilize microbes and prevent their dispersal in the host. Bacterial breakdown products and inflammatory stimuli induce NETosis and the release of NETs requires enzyme activities. Histones in NET chromatin become modified by peptidylarginine deiminase 4 (PAD4) and cleaved at specific sites by proteases. NETs serve for attachment of bactericidal enzymes including myeloperoxidase, leukocyte proteases, and the cathelicidin LL-37. While the benefit of NETs in an infection appears clear, NETs also figure prominently at the center of various pathologic states. Therefore, it is important for NETs to be efficiently cleared; else digestive enzymes may gain access to tissues where inflammation takes place. Persistent NET exposure at sites of inflammation may lead to a further complication: NET antigens may provoke acquired immune responses and, over time, could initiate autoimmune reactions. Recent studies identified aberrant NET synthesis and/or clearance in inflammatory/autoimmune conditions such as systemic lupus erythematosus (SLE), psoriasis, ANCA-positive vasculitis, gout and Felty's syndrome. In the case of SLE, for example, it appears that LL-37 exposed in the NETs may be a significant trigger of type I Interferon responses in this disease. Recent evidence also implicates aberrant NET formation in the development of endothelial damage, atherosclerosis and thrombosis. NETosis is thus of interest to researchers who investigate innate immune responses, host-pathogen interactions, chronic inflammatory disorders, cell and vascular biology, biochemistry, and autoimmunity. As we approach the 10-year-anniversary of the initial discovery of NETosis, it is useful and timely to review the so far identified mechanisms and

pathways of NET formation, their role in bacterial and fungal defense and their putative importance as inducers of autoimmune responses. We look forward to a rich and rigorous discussion of these and related issues that benefit from interdisciplinary approaches, collaborations and exciting discoveries.

Biological Amplification Systems in Immunology

Springer Interest in complement developed at the end of the nineteenth century from observations on cellular and humoral defense mechanisms against bacteria. It was recognized at that time that there were factors in body fluids of animals and man that were capable of killing and lysing bacteria in the absence of cellular factors. Due to the efforts of two of the founders of immunology, Bordet and Ehrlich, and their colleagues, by 1912 the multicomponent nature of complement action was well recognized, the sequence of reaction of the components in the lysis of erythrocytes was defined, complement fixation as a major tool for studying antibody-antigen interaction was well established, and studies on the physicochemical properties of the components had been started. Yet, with a few notable exceptions, research on complement was largely abandoned by most "mainstream" immunologists for the following two or three decades. When one looks at the contents of the present volume, it is hard to imagine that as recently as 20 years ago, there were probably fewer than ten major laboratories where complement research was the primary theme. The contents attest to the fact that there are today dozens of laboratories on three continents where research on complement is pursued in depth. It is not easy to point to all the advances that have occurred in complement research during the past few years.

The Immune System

A Very Short Introduction

Oxford University Press The immune system is central to human health and the focus of much medical research. Growing understanding of the immune system, and especially the creation of immune memory (long lasting protection), which can be harnessed in the design of vaccines, have been major breakthroughs in medicine. In this Very Short Introduction, Paul Klenerman describes the immune system, and how it works in health and disease. In particular he focuses on the human immune system, considering how it evolved, the basic rules that govern its behavior, and the major health threats where it is important. The immune system comprises a series of organs, cells and chemical messengers which work together as a team to provide defence against

infection. Klenerman discusses these components, the critical signals that trigger them and how they exert their protective effects, including so-called "innate" immune responses, which react very fast to infection, and "adaptive" immune responses, which have huge diversity and a capacity to recognize and defend against a massive array of micro-organisms. Klenerman also considers what happens when our immune systems fail to be activated effectively, leading to serious infections, problems with inherited diseases, and also HIV/AIDS. At the opposite extreme, as Klenerman shows, an over-exaggerated immune response leads to inflammatory diseases such as Multiple Sclerosis and Rheumatoid Arthritis, as well as allergy and asthma. Finally he looks at the "Immune system v2.0" - how immune therapies and vaccines can be advanced to protect us against the major diseases of the 21st century. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

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