

Roitt S Essential Immunology Includes Desktop Edition

THE authoritative guide for clinical laboratory immunology For over 40 years the Manual of Molecular and Clinical Laboratory Immunology has served as the premier guide for the clinical immunology laboratory. From basic serology testing to the present wide range of molecular analyses, the Manual has reflected the exponential growth in the field of immunology over the past decades. This eighth edition reflects the latest advances and developments in the diagnosis and treatment of patients with infectious and immune-mediated disorders. The Manual features detailed descriptions of general and specific methodologies, placing special focus on the interpretation of laboratory findings, and covers the immunology of infectious diseases, including specific pathogens, as well as the full range of autoimmune and immunodeficiency diseases, cancer, and transplantation. Written to guide the laboratory director, the Manual will also appeal to other laboratory scientists, especially those working in clinical immunology laboratories, and pathologists. It is also a useful reference for physicians, mid-level providers, medical students, and allied health students with

an interest in the role that immunology plays in the clinical laboratory. Lippincott® Illustrated Reviews: Immunology, 3rd Edition, offers an engaging, vividly illustrated presentation and all of the popular learning features of the Lippincott® Illustrated Review series to reinforce essential immunology concepts and connect basic science to real-life clinical situations. Like other titles in this series, this dynamic resource follows an intuitive outline organization and boasts a wealth of vibrant illustrations and study aids that clarify complex information and ensure retention. Whether used as a review text for a short immunology course or paired with Lippincott® Illustrated Reviews: Microbiology for a combined microbiology/immunology course, this revised and updated edition familiarizes readers with the latest practices in immunology and emphasizes clinical application to deliver unparalleled preparation for exams and clinical practice.

This first edition volume demystifies the complex topic of flow cytometry by providing detailed explanations and nearly 120 figures to help novice flow cytometry users learn and understand the bedrock principles necessary to perform basic flow cytometry experiments correctly. The book divides the topic of flow cytometry into easy to understand sections and covers topics such as the physics behind flow cytometry, flow cytometry lingo, designing flow cytometry

experiments and choosing appropriate fluorochromes, compensation, sample preparation and controls and ways to assess cellular function using a variety of flow cytometry assays. Written as a series of chapters whose concepts sequentially build off one another, using the list of materials contained within each section along with the readily reproducible laboratory protocols and tips on troubleshooting that are included, readers should be able to reproduce the data figures presented throughout the book on their way to mastering sound basic flow cytometry techniques. Easy to understand and comprehensive, *Flow Cytometry Basics for the Non-Expert* will be a valuable resource to novice flow cytometry users as well as experts in other biomedical research fields who need to familiarize themselves with a basic understanding of how to perform flow cytometry and interpret flow cytometry data. This book is written for both scientists and non-scientists in academia, government, biotechnology, and medicine.

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.

How the Immune System Works has helped thousands of students understand what's in their big, thick, immunology textbooks. In his book, Dr. Sompayrac cuts through the jargon and details to reveal, in simple language, the essence of this complex subject. In fifteen easy-to-read chapters, featuring the humorous style and engaging analogies developed by Dr. Sompayrac, How the Immune System Works explains how the immune system players work together to protect us from disease – and, most importantly, why they do it this way. Rigorously updated for this fifth edition, How the Immune System Works includes the latest information on subjects such as vaccines, the immunology of AIDS, and cancer. A highlight of this edition is a new chapter on the intestinal immune system – currently one of the hottest topics in immunology. Whether you are completely new to immunology, or require a refresher, How the Immune System Works will provide you with a clear and engaging overview of this fascinating subject. But don't take our word for it! Read what students have been saying about this classic book: "What an exceptional book! It's clear you are in the hands of an expert." "Possibly the Best Small Text of All Time!" "This is a FUN book, and Lauren Sompayrac does a fantastic job of explaining the immune system using words that normal people can understand." "Hands down the best immunology book I have read... a

very enjoyable read." "This is simply one of the best medical textbooks that I have ever read. Clear diagrams coupled with highly readable text make this whole subject easily understandable and engaging." Now with a brand new website at www.wiley.com/go/sompayrac featuring Powerpoint files of the images from the book

Learn all the microbiology and basic immunology concepts you need to know for your courses and exams. Now fully revised and updated, Mims' clinically relevant, systems-based approach and abundant colour illustrations make this complex subject easy to understand and remember. Learn about infections in the context of major body systems and understand why these are environments in which microbes can establish themselves, flourish, and give rise to pathologic changes. This systems-based approach to microbiology employs integrated and case-based teaching that places the 'bug parade' into a clinical context.

Effectively review for problem-based courses with the help of chapter introductions and 'Lessons in Microbiology' text boxes that highlight the clinical relevance of the material, offer easy access to key concepts, and provide valuable review tools. Approach microbiology by body system or by pathogen through the accompanying electronic 'Pathogen Parade' – a quickly searchable, cross-referenced glossary of viruses, bacteria and fungi A new electronic

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'Vaccine Parade' offers quick-reference coverage of the most commonly used vaccines in current clinical practice. Deepen your understanding of epidemiology and the important role it plays in providing evidence-based identification of key risk factors for disease and targets for preventative medicine. Grasp and retain vital concepts easily, with a user-friendly colour coded format, succinct text, key concept boxes, and dynamic illustrations. New and enhanced information reflects the growing importance of the human microbiota and latest molecular approaches. Access the complete contents on the go via the accompanying interactive eBook, with a range of bonus materials to enhance learning and retention – includes self-assessment materials and clinical cases to check your understanding and aid exam preparation.

Institutional Edition. The Immunology Series is a new collection of fully integrated tools that are ideal for mastering the difficult subject of immunology. Because it covers immunology at the basic level, the Series is appropriate for medical students as well as those enrolled in advanced undergraduate science programs. The Series covers a broad range of topics, providing comprehensive, up-to-date information on: innate immunity, antibodies, membrane receptors for antigen, the primary interaction with antigen, immunochemical techniques, cellular techniques, the anatomy of the immune response, lymphocyte activation,

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the production of effectors, control mechanisms, ontogeny and phylogeny, adversarial strategies during infection, prophylaxis, immunodeficiency, hypersensitivity, transplantation, tumor immunology, and autoimmune diseases.

ROITT IMMUNOLOGY TEXTSTACK This electronic edition of Blackwell Science LTD's Essential Immunology, Eighth Edition, by Ivan M. Roitt includes the complete text plus all diagrams, charts and illustrations. Often referred to as "the gold standard of immunology", this authoritative text provides comprehensive coverage of the basic principles of immunology. Search for specific information appearing anywhere within the text - including data in tables and figure or diagram legends - or browse the comprehensive contents list to find topics of interest. Powerful tools enable you to mark, annotate, or download information of interest for future reference, and to create customized notebooks, handouts, and interactive electronic lessons incorporating materials from anywhere within the Series and from other electronic resources. Includes links to Clinical Immunology Cases.

CLINICAL IMMUNOLOGY CASES A collection of 89 vignettes, each outlining a clinical case, the treatment followed, and the results achieved. Based on Blackwell Science LTD's Essentials of Clinical Immunology by Helen Chapel and Mansel Haeney. Includes direct links to related materials appearing in the Roitt Immunology TextStack for more

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information. IMMUNOLOGY QUIZBANK Written specifically to accompany the Roitt Immunology TextStack, this new QuizBank provides students with an excellent way in which to test their knowledge of the basic principles of immunology. It features more than 700 multiple-choice questions written by Ivan M. Roitt and Peter J. Delves of the University College London Medical School. For each possible answer, detailed feedback explains why the answer is right or wrong. Also includes direct links from the answers to related materials appearing in the Roitt Immunology TextStack, for further review.

Drawing on her extensive classroom experience, the editor provides a clearly written contemporary introduction to the body's responses to disease. She brings a strong experimental/clinical focus to the study of immunology at the molecular and cellular levels, employing a range of effective pedagogical tools not found in other introductory books on the subject. A glossary, chapter summaries, and study questions using clinical cases are included.

Roitt's Essential Immunology has established itself as the book of choice for students of immunology worldwide. This excellent textbook is commonly regarded as 'the best of the immunology primers' and the tenth edition remains at the cutting edge of this fascinating area of science. The trademark of this book is its highly readable introduction to the subject, its emphasis on core knowledge and its excellent four-color artwork. On the tenth edition, Ivan

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Roitt is joined by Peter Delves, a brilliant teacher from University College London. Together they have extensively updated all aspects of the book to produce a new edition, which will be an invaluable resource to students of immunology and medicine. The tenth edition focuses on: dendritic cells intraepithelial lymphocytes NKT and gd T-cells NK receptors non-classical MHC presentation of non-peptidic antigens analysis of TCR-peptide-MHC interactions gene 'knockouts' and 'knockins' cell signaling pathways chemokines and their receptors intimate links between innate and adaptive immunity regulatory T-cells Fcγ receptors activation-induced cell death signaling through pattern recognition systems prions DNA vaccines mucosal adjuvants molecular understanding of immunodeficiency CCR5 co-receptor for HIV therapeutic benefit of monoclonal anti-IgE in allergy the excessive hygiene hypothesis induction of antigen-specific tolerance for transplantation heat-shock proteins in tumor immunity and autoimmunity peptide priming of dendritic cells for immunotherapy thymic expression of organ-specific autoantigens Roitt's Essential Immunology is supported by a web site at www.roitt.com This useful on-line resource contains self-assessment material, future updates, further reading and an image archive. New edition of a best-selling textbook - known internationally by both students & faculty. Completely updated throughout. Greater emphasis on core knowledge & ease of use. Supported by a free on-line www.roitt.com companion containing updates, images and self-assessment material.

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

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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!

The first basic overview of all aspects of transplantation with a clarity not to be found in more inaccessible textbooks. This brand new title provides a succinct overview of both the scientific and clinical principles of organ transplantation and the types of organ transplant, featuring highly-illustrated information covering core topics in transplantation including: Organ donors Organ preservation Assessment of transplant recipients Indications for transplantation Immunology of transplantation Immunosuppression and its complications Overviews of thoracic and abdominal organ transplantation, including the kidneys, liver, heart and lungs

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Transplantation at a Glance is the ideal introduction for medical students, junior doctors, surgical trainees, immunology students, pharmacists, and nurses on transplant wards. Immunology, 8th Edition makes it easy for you to learn all the basic and clinical concepts you need to know for your courses and USMLEs. This medical textbook's highly visual, carefully structured approach makes immunology simple to understand and remember. Understand the building blocks of the immune system - cells, organs and major receptor molecules - as well as initiation and actions of the immune response, especially in a clinical context. Visually grasp and retain difficult concepts easily thanks to a user-friendly color-coded format, key concept boxes, explanatory diagrams, and over 190 photos to help you visualize tissues and diseases. Put concepts into practice. "Critical Thinking Boxes" and 25 online cases encourage you to "think immunologically" while anchoring your understanding of immunology through clinical application. Gauge your mastery of the material and build confidence with high-yield style chapter-opening summaries and case-based and USMLE-style questions that provide effective chapter review and quick practice for your exams. Access the full contents online at www.studentconsult.com where you'll find the complete text and illustrations, USMLE-style questions, clinical cases, and much more! Get the depth of coverage you need in a smaller, more manageably sized book. Through meticulous editing and reorganization, primary material remains in the book while more specialized and clinical material has been moved online. Master the most cutting-edge concepts in immunology. Thorough updates throughout provide the timely knowledge you need ace your exams.

Really Essential Medical Immunology is a concise version of the original and best selling Roitt's Essential Immunology. This new, slim textbook is designed for busy medical and

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science students.

Essential Immunology John Wiley & Sons

"Essential Immunology offers up-to-date discussions of immunologic tolerance, idioty, autoimmunity and immune regulation presented in a way that allows readers to see both the inter-relations among these processes and their application to host defenses and human disease. Professor Roitt has the ability to grasp and explain the larger concepts of an often very confusing field, while not at all neglecting the myriad of facts that give these concepts substance and weight. Overall, Essential Immunology is the best of the immunology primers, it clearly outdistances other textbooks in the area by its scope, its organization, its clarity and its ability to convey a carefully balanced view of immunology. The medical student who first comes on the mysteries of immunology here, as well as the seasoned immunologist, will find it an adventure and a joy to read".

Kucers' The Use of Antibiotics is the definitive, internationally-authored reference, providing everything that the infectious diseases specialist and prescriber needs to know about antimicrobials in this vast and rapidly developing field. The much-expanded Seventh Edition comprises 4800 pages in 3 volumes in order to cover all new and existing therapies, and emerging drugs not yet fully licensed. Concentrating on the treatment of infectious diseases, the content is divided into four sections - antibiotics, anti-fungal drugs, anti-parasitic drugs, and anti-viral drugs - and is highly structured for ease of reference. Each chapter is organized in a consistent format, covering susceptibility, formulations and dosing (adult and pediatric), pharmacokinetics and pharmacodynamics, toxicity, and drug distribution, with detailed discussion regarding clinical uses - a feature unique to this title. Compiled by an expanded

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team of internationally renowned and respected editors, with expert contributors representing Europe, Africa, Asia, Australia, South America, the US, and Canada, the Seventh Edition adopts a truly global approach. It remains invaluable for anyone using antimicrobial agents in their clinical practice and provides, in a systematic and concise manner, all the information required when prescribing an antimicrobial to treat infection.

Immunology: A Short Course, 7th Edition introduces all the critical topics of modern immunology in a clear and succinct yet comprehensive fashion. The authors offer uniquely-balanced coverage of classical and contemporary approaches and basic and clinical aspects. The strength of Immunology: A Short Course is in providing a complete review of modern immunology without the burden of excessive data or theoretical discussions. Each chapter is divided into short, self-contained units that address key topics, illustrated by uniformly drawn, full-color illustrations and photographs. This new edition of Immunology: A Short Course:

- Has been fully revised and updated, with a brand new art program to help reinforce learning
- Includes a new chapter on Innate Immunity to reflect the growth in knowledge in this area
- Highlights important therapeutic successes resulting from targeted antibody therapies
- Includes end of chapter summaries and review questions, a companion website at www.wileyimmunology.com/coico featuring interactive flashcards, USMLE-style interactive MCQs, figures as

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PowerPoint slides, and case-based material to help understand clinical applications

Emphasizes both the basic and clinical aspects of immunology that promotes understanding of core concepts and provides clinical correlations to medical practice. Logical progression from normal immune function to laboratory abnormalities and clinical diseases. Problem-oriented approach to clinical disorders caused by immunologic disruptions

Cancer Immunotherapy Principles and Practice, from the Society of Immunotherapy of Cancer (SITC), is the authoritative reference on cancer immunobiology and the immunotherapy treatments that harness the immune system to combat malignant disease. Featuring five sections and over 50 chapters covering the Basic Principles of Tumor Immunology, Cancer Immunotherapy Targets and Classes, Immune Function in Cancer Patients, Disease Specific Treatments and Outcomes, and Regulatory Aspects of Cancer Immunotherapy, this book covers all major topics that have shaped the development of immunotherapy and propelled it to its current place at the forefront of cancer treatment innovation. This volume is a comprehensive resource for oncologists and fellows, immunologists, cancer researchers, and related practitioners seeking understanding of the basic science and clinical

applications of cancer immunotherapy. As well as presenting the evidence for immune-based cancer treatment, it positions immunotherapy in the context of other available cancer treatments and provides data on response rates, risks, and toxicities across a variety of diseases. Filled with detailed tables, and instructive illustrations, as well as key points for quick reference, *Cancer Immunotherapy Principles and Practice* simplifies a challenging and dynamic subject. Key Features: Clearly summarizes the basic principles and research supporting cancer immunotherapy clinical translation Contains expert guidance and treatment strategies for all immunotherapy classes and agents, including cell-based therapies, monoclonal antibodies, cytokine therapies, checkpoint inhibitors, oncolytic viruses, adjuvant approaches, and treatment combinations Includes expert perspectives from leading authorities in the field Provides information on all FDA-approved immunotherapies, including clinical management and outcome data Discusses clinical aspects of immunotherapy for individual cancer types, including melanoma and other skin cancers, lung cancers, gynecologic cancers, gastrointestinal cancers, hematologic cancers, genitourinary cancers, head and neck cancers, sarcomas, brain and other CNS cancers, breast cancer, and pediatric malignancies. Explains regulatory aspects behind the development and approval of immunotherapy drugs Includes Online

Access to the Digital Book

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

Every aspect of immune function and host defense is dependent upon a proper supply and balance of nutrients. Severe malnutrition can cause significant alteration in immune response, but even subclinical deficits may be associated with an impaired immune response, and an increased risk of infection. Infectious

diseases have accounted for more off-duty days during major wars than combat wounds or nonbattle injuries. Combined stressors may reduce the normal ability of soldiers to resist pathogens, increase their susceptibility to biological warfare agents, and reduce the effectiveness of vaccines intended to protect them. There is also a concern with the inappropriate use of dietary supplements. This book, one of a series, examines the impact of various types of stressors and the role of specific dietary nutrients in maintaining immune function of military personnel in the field. It reviews the impact of compromised nutrition status on immune function; the interaction of health, exercise, and stress (both physical and psychological) in immune function; and the role of nutritional supplements and newer biotechnology methods reported to enhance immune function. The first part of the book contains the committee's workshop summary and evaluation of ongoing research by Army scientists on immune status in special forces troops, responses to the Army's questions, conclusions, and recommendations. The rest of the book contains papers contributed by workshop speakers, grouped under such broad topics as an introduction to what is known about immune function, the assessment of immune function, the effect of nutrition, and the relation between the many and varied stresses encountered by military personnel and their effect on health.

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This book presents case histories to illustrate in a clinical context essential points about the mechanisms of immunity. It includes cases that illustrate both recently discovered genetic immunodeficiencies and some more familiar and common diseases with interesting immunology.

For this edition the text has been thoroughly revised and updated, but differs from previous editions in that it is confined almost entirely to oral diseases. The presentation of the subject has not however changed, and the book contains sufficient material and bibliographical references to stimulate the thoughtful undergraduate, as well as the postgraduate student. The major features of the book deal with the contribution of saliva and blood immune factors to the protection and development of dental caries, periodontal disease, oral, viral and fungal infections in addition to oral manifestations of autoimmunity and neoplastic diseases. New topics introduced in this edition include rapid advances in biotechnology, including monoclonal antibodies, synthetic peptides and recombinant DNA

A valuable board review for students and refresher course for professionals, from the international expert in the field, Ivan Riott. This handbook not only tests, it teaches--ensuring that it will be used over and over again as a quick review of this complex subject.

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A new, fully updated edition of the world's most famous book on liver diseases—with updating of all areas and inclusion of new specific topics, by internationally renowned specialists This brand new edition of the classic book on hepatology provides a concise, clearly presented and well-structured review across the whole spectrum of hepatobiliary diseases by some of the world's leading hepatologists and hepatobiliary specialists. Where many other hepatology textbooks provide detailed accounts of basic science and clinical management, Sherlock's Diseases of the Liver and Biliary System, 13th Edition takes a different approach.

Concentrating on the clinical decisions to be taken and the relevant supporting data, it is written and edited to maintain Sheila Sherlock's unique approach, in particular the clarity and layout of the text, and the explanatory figures and tables. The book is thus concise, highly accessible, and generously illustrated with over 700 attractive color figures. There is a pithy approach to each disease based both on evidence and on the authors' experience, the hallmark of this book. Based on these elements, the 12th edition was awarded first prize in the 2012 British Medical Association Book Awards in the Internal Medicine category. Sherlock's Diseases of the Liver and Biliary System begins by introducing the anatomy and function of the liver to readers, continuing then with in-depth coverage of liver biopsy techniques and interpretation, and fibrogenesis and its assessment. There are then chapters on all aspects of liver and biliary disease including acute liver failure, cirrhosis, portal hypertension, hepatic encephalopathy, ascites, hepatitis B and C, alcohol and the liver, non-alcoholic fatty liver disease, drug related liver reactions, cholestatic, autoimmune and genetic liver diseases, benign and malignant tumours and not least liver transplantation. There are also chapters on the liver in pregnancy, in the neonate, infancy and childhood, in systemic diseases and in

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infections. This new edition also features four new individual chapters focusing on coagulation, non-invasive assessment of fibrosis and cirrhosis; vascular diseases of the liver and portal vein thrombosis, and nutrition in liver disease. Digital downloads of the figures from this edition are offered on a companion website. Internationally recognized and loved, world-renowned hepatology book, first published in 1955 Takes a one-of-a-kind, clinical approach maintaining Sheila Sherlock's clarity and legacy of presentation Full colour throughout with 700 illustrative figures Wide faculty of international contributors Sherlock's Diseases of the Liver and Biliary System, 13th Edition is an ideal primer in hepatology for students and trainees in hepatology and gastroenterology, and a valuable resource for all specialist gastroenterologists and hepatologists, paediatricians, pathologists, radiologists, general physicians and specialist nurses.

BMA Book of the Year 2012 First prize in Basic and Clinical Sciences, BMA Book Awards 2012 Roitt's Essential Immunology - the textbook of choice for students and instructors of immunology worldwide Bringing you fully up-to-date with the latest knowledge and concepts about the workings of the immune system, the hallmark easy-reading style of Roitt's Essential Immunology clearly explains the key principles needed by medical and health sciences students, from the basis of immunity to clinical applications. Beautifully presented, with brand new illustrations, the pedagogy has been strengthened throughout, and includes "just to recap..." sections at the beginning of each chapter, reminding the reader of key findings and principles, and summary sections at the end of each chapter that are ideal for quick study and revision. Also available as a FREE enhanced Wiley Desktop Edition (upon purchase of the book), Roitt's Essential Immunology is supported by a suite of online resources at

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www.roitt.com including: Interactive MCQs and SBA questions for each chapter, with feedback on all answers selected Animations and videos showing key concepts Fully downloadable figures and illustrations, further reading and useful links Extracts from the Encyclopaedia of Life Science Podcasts to reinforce the key principles explained in the text: ideal for revision 'on the go' This title is also available as a mobile App from MedHand Mobile Libraries. Buy it now from iTunes, Google Play or the MedHand Store.

Previously published as: The Immunological basis of surgical science and practice, 1992. This concise introductory textbook uses carefully chosen examples from clinical and experimental observations to provide an insight into the principles underlying the immune system. As a result, it encourages readers to ask critical questions in order to further advance our understanding of this unique organ. Both authors are experienced lecturers and highly regarded researchers. The book is professionally illustrated in four color throughout with beautiful artwork which by itself distinguish the title from any comparable title. Website: www.wiley-vch.de/home/immunology

A Historical Perspective on Evidence-Based Immunology focuses on the results of hypothesis-driven, controlled scientific experiments that have led to the current understanding of immunological principles. The text helps beginning students in biomedical disciplines understand the basis of immunologic knowledge, while also helping more advanced students gain further insights. The book serves as a crucial reference for researchers studying the evolution of ideas and scientific methods, including fundamental insights on immunologic tolerance, interactions of lymphocytes with antigen TCR and BCR, the generation of diversity and mechanism of tolerance of T cells and B cells, the first cytokines, the concept of

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autoimmunity, the identification of NK cells as a unique cell type, the structure of antibody molecules and identification of Fab and Fc regions, and dendritic cells. Provides a complete review of the hypothesis-driven, controlled scientific experiments that have led to our current understanding of immunological principles Explains the types of experiments that were performed and how the interpretation of the experiments altered the understanding of immunology Presents concepts such as the division of lymphocytes into functionally different populations in their historical context Includes fundamental insights on immunologic tolerance, interactions of lymphocytes with antigen TCR and BCR, and the generation of diversity and mechanism of tolerance of T and B cells

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.

Meticulously reviewed and updated for today's medical students, Basic Immunology, 6th Edition, is a concise text expertly written by the same distinguished author team as the best-selling, comprehensive text, Cellular and Molecular Immunology. This focused, easy-to-understand volume uses full-color illustrations and clinical images, useful tables, and practical features such as Summary Point boxes, end-of-chapter review questions, glossary terms, and clinical cases—all designed to help students master this complex topic in the most efficient, effective manner possible. Emphasizes clinical aspects of immunology, including disease pathogenesis, the development of novel therapies based on basic science, and an appendix of clinical cases for real-world application. Provides top-notch instruction from experienced teachers, course directors, and lecturers led by well-known editor and author Dr. Abul Abbas.

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Features a highly readable writing style and practical organization, now with fully revised content and updated images to reflect recent important advances in today's understanding of the immune system. Presents information in a format and style that maximizes usefulness to students and teachers studying medicine, allied health fields, and biology. Contains numerous features designed to help students understand key immunologic concepts: high-quality illustrations, practical tables, chapter outlines, bolded key points, and focus questions in every chapter for self-assessment and review. Evolve Instructor site with a downloadable image bank is available to instructors through their Elsevier sales rep or via request at:

<https://evolve.elsevier.com>

Publisher Description

The sixth edition of Roitt's IMMUNOLOGY brings this classic textbook up to date. 250 top quality photographs and over 400 color illustrations bring immunology to life. Case studies have been added, placing immunology in a clinical context. Expanded Critical Thinking sections with detailed feedback test understanding and provide a useful revision tool. Part of an unsurpassed coordinated learning package.

Liver Immunology: Principles and Practice, Second Edition begins with important information about the epidemiology and mortality of liver disease worldwide. This information is followed by chapters related to basic immunology, application of liver immunology for diagnosis, and several excellent chapters that provide a solid foundation for understanding immune-mediated liver disease, including those associated with the biliary tree. A chapter on non-hepatic manifestations of immune

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mediated liver disease helps provide context for how these diseases affect the patient overall. In addition, chapters discuss various discrete immunologically-mediated infectious liver disorders including those related to bacteria, parasites, and all of the classic viruses. Chapters on the traditional autoimmune liver diseases -- primary biliary cirrhosis, autoimmune hepatitis, primary sclerosing cholangitis as well as overlap syndrome – are also included. The breadth of this comprehensive second edition is highlighted by chapters on alcoholic liver disease, non-alcoholic fatty liver disease, and drug-induced liver disease, among others. This invaluable new edition ends with a forward-looking view of future directions and how the field might meet the challenge of refractory patients. Developed by a renowned group of authors, *Liver Immunology: Principles and Practice, Second Edition* will again serve as a comprehensive textbook by providing an excellent overview for this rapidly evolving field. It greatly adds to the understanding of the pathogenesis of these diseases, while also providing novel insights that can be harnessed into helping improve the care of patients afflicted with various immune-mediated diseases. This volume will again be a must-read for clinicians at all levels, investigators and students.

BMA Book of the Year 2012 First prize in Basic and Clinical Sciences, BMA Book Awards 2012 Roitt's Essential Immunology - the textbook of choice for students and instructors of immunology worldwide Bringing you fully up-to-date with the latest knowledge and concepts about the workings of the immune system, the hallmark easy-

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reading style of Roitt's Essential Immunology clearly explains the key principles needed by medical and health sciences students, from the basis of immunity to clinical applications. Beautifully presented, with brand new illustrations, the pedagogy has been strengthened throughout, and includes “just to recap...” sections at the beginning of each chapter, reminding the reader of key findings and principles, and summary sections at the end of each chapter that are ideal for quick study and revision. Also available as a FREE enhanced Wiley Desktop Edition (upon purchase of the book), Roitt's Essential Immunology is supported by a suite of online resources at www.roitt.com including: Interactive MCQs and SBA questions for each chapter, with feedback on all answers selected Animations and videos showing key concepts Fully downloadable figures and illustrations, further reading and useful links Extracts from the Encyclopaedia of Life Science Podcasts to reinforce the key principles explained in the text: ideal for revision 'on the go' This title is also available as a mobile App from MedHand Mobile Libraries. Buy it now from iTunes, Google Play or the MedHand Store. Roitt's Essential Immunology has established itself as the book of choice for students of immunology worldwide. This excellent textbook is commonly regarded as 'the best of the immunology primers' and the eleventh edition remains at the cutting edge of this fascinating area of science. The trademark of this book is its highly readable introduction to the subject, its emphasis on core knowledge and its excellent four-color artwork. The internationally renowned authors have extensively updated all aspects of

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the book to produce a new edition, which will be an invaluable resource to students of immunology and medicine. Roitt's Essential Immunology is supported by a website at www.roitt.com This useful on-line resource includes interactive multiple-choice questions with feedback, key concepts explained with animations, further reading lists with PubMed links, and an archive of images from the book.

Preceded by Roitt's essential immunology / Peter J. Delves ... [et al.]. 12th ed. 2011. Essentials of Clinical Immunology provides the most up-to-date, core information required to understand diseases with an immunological basis. Clinically focussed, the sixth edition of this classic text presents theoretical and practical information in a simple yet thorough way. Essentials of Clinical Immunology covers the underlying pathophysiology, the signs and symptoms of disease, the investigations required and guidance on the management of patients. Perfect for clinical medical students, junior doctors and medical professionals seeking a refresher in the role of immunology in clinical medicine, this comprehensive text features fully updated clinical information, boxes with key points, real-life case histories to illustrate key concepts and an index of contents at the start of each chapter. A companion website at www.immunologyclinic.com provides additional learning tools, including more case studies, interactive multiple-choice questions and answers, all of the photographs and illustrations from the book, links to useful websites, and a selection of review articles from the journal Clinical and Experimental Immunology. This title is also available as a

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