

Roitt Essential Immunology 12th Edition

P. Pediatric Nursing Care: A Concept-Based Approach teaches undergraduate nursing students the need to know information for working in a pediatric nursing environment.

Tree Kangaroos: Science and Conservation, a volume in the Biodiversity of the World: Conservation from Genes to Landscapes series, provides an overview of tree kangaroo species and their relationship with humans. This exciting, interdisciplinary work on tree kangaroo science and conservation is divided into six major sections: (1) tree kangaroo evolution, genetics, taxonomy, ecology, behavior, and conservation status; (2) current and emerging threats to the species; (3) conservation programs in Australia and New Guinea with an emphasis on the human aspect of conservation; (4) the role of zoos in conservation solutions; (5) techniques and technologies to study this elusive marsupial; and (6) what is needed to keep tree kangaroos and their landscapes healthy in the future. The series on Biodiversity of the World: Conservation from Genes to Landscapes includes titles focused on specific species or taxa across disciplinary boundaries and spatial scales—from genes to landscapes. Volumes are edited and written by prominent scholars and practitioners to illuminate and advance biodiversity science and conservation. Includes coverage of all known tree kangaroo species Features contributions edited and written by the world’s leading researchers and practitioners focusing on those scientifically mysterious mammals Provides accessible scientific and general information to a wide audience including students, academics, researchers, conservation professionals, policy makers, business leaders, zoo professionals, health professionals, and people interested in community-based conservation Presents the current knowledge of tree kangaroos, helping to lay the foundations and best practices for future conservation and research in Australia and New Guinea

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 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.

This comprehensive textbook is the key resource for postgraduate trainees or residents in haematology. Now in its seventh edition, the book continues to provide everything the reader needs for examination preparation or clinical practice. Postgraduate Haematology discusses up-to-date knowledge of the pathogenesis, clinical and laboratory features, management and treatment of a wide range of blood and bone marrow disorders in a concise and user friendly style. It presents essential information for everyday use and teaching, as well more detailed scientific background for more in-depth reading, accompanied by thoughtful referencing. The clearly illustrated full-colour figures and charts demonstrate key facts, and are supplemented by numerous high quality photomicrographs of blood cells and tissues. Over 51 chapters from international authors, including the WHO Classification of Haematopoietic and Lymphoid Tissues, Postgraduate Haematology provides an expert review of malignant and non-malignant haematology. New sections reflect advances in the speciality, e.g. knowledge gained from new generation sequencing, latest anticoagulant drugs, diagnostic laboratory tools, and treatment strategies Superb four-color illustrations and photomicrographs of blood cells and tissues throughout Includes algorithms to aid with decision-making for treatment Companion website featuring figures and tables from the book Arm yourself with the textbook of choice for trainees and practitioners in haematology.

Plasma Cell Neoplasms

Using the Biological Literature Theory and Practice Idiopathic Pulmonary Fibrosis Clinical Immunology and Serology This textbook will provide a comprehensive, state-of-the art review the field of diagnostic hematopathology as it's applied to patients with plasma cell neoplasms. Particular emphasis will be placed on immunophenotypic data | immunohistochemistry and flow cytometry | as well as cytogenetics. We will also discuss how these ancillary data can predict prognosis and chemotherapeutic response. Plasma Cell Neoplasms will serve as a very useful resource for physicians and researchers interested in the plasma cell myeloma diagnosis, therapy, and research. It will provide a concise yet comprehensive summary of the current status of the field that will help guide patient management and stimulate investigative efforts. All chapters will be written by experts in their fields and will include the most up to date scientific and clinical information.

Since publication of the 4th Edition of The Autoimmune Diseases in 2006, the understanding of the immune mechanisms underlying autoimmunity and autoimmune disease has significantly deepened and broadened. This fully revised 5th Edition incorporates new material and combines common themes underlying individual eactor mechanisms and therapies that relate generally to the autoimmune disorders. It discusses the biological basis of disease at genetic, molecular, cellular, and epidemiologic levels and includes expanded coverage of autoinflammatory disease and autoimmune responses to tumors. Givers a thorough and an important overview on the entire field, framing individual disease chapters with information that compares and contrasts each disorder and therapy Provides thorough, up-to-date information on specific diseases, along with clinical applications, in an easily found reference for clinicians and researchers interested in certain diseases Keeps readers abreast of current trends and emerging areas in the field Ensures that content is not only up-to-date, but applicable and relevant

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, Idiopathic Pulmonary Fibrosis: A Comprehensive Clinical Guide delivers a concise review of our current understanding of disease pathogenesis and provides current evidence in the medical literature regarding its diagnosis and management. Each chapter includes key points and a summary aiming to update clinicians about various issues concerning the diagnosis and management of IPF. In addition to outlining the current state of knowledge, each chapter also provides a summary of ongoing research and identifies the needs for future research in the field. Idiopathic Pulmonary Fibrosis: A Comprehensive Clinical Guide is an important new text that provides its readers with a better understanding of the pathobiology and natural history of IPF as it continues to evolve.

Fundamentals and Applications, Second Edition

Viral Infections of Humans

Bioanalytical Techniques

Clinical Chemistry - E-Book

Essential Endocrinology and Diabetes, Includes Desktop Edition

Science and Conservation

Boasting a worldwide reputation as the leading text in allergy and immunology, Middleton's Allergy continues its steadfast tradition of providing comprehensive coverage of state-of-the-art basic science, as well as authoritative guidance on the clinical concepts of day-to-day diagnosis and management of allergic disorders. Offering timely information that's suited for clinicians and researchers alike, Middleton's is a user-friendly and versatile source for the knowledge you need to provide optimal care to your patients! Stay on top of continuous new developments in clinical allergy and immunology through online access to the Expert Consult site, which will feature regular updates as well as the fully searchable contents.Find all of the information you need quickly and easily with a glossary of allergy and immunology terms; highlighted key points for each chapter; hundreds of crystal-clear images with a full-color format, and access to relevant websites. Apply the latest scientific knowledge and clinical applications with new chapters on Innate and Adaptive Immunity, Immune Tolerance, Immunobiology of IgE and Its Receptors, Resolution of Allergic Inflammation, and Particulate and Allergen Interactions, plus sweeping updates throughout.Take full advantage of the major advances in asthma pathogenesis and management with significant updates on diagnosis, treatment, and special aspects of asthma.Obtain the best results from the newest therapeutics for allergic and immunologic diseases through an expanded discussion of immunotherapy that includes new chapters on Sublingual Immunotherapy, Biologics and Immunosuppressives in Asthma, and Alternative and Complementary Therapies.

Striking changes have occurred in the world since the publication of the last edition of Viral Infections of Humans. The global population is rapidly approaching 8 billion; climate change is leading to the introduction of new hosts, vectors and virus diseases heretofore never seen in many parts of the world; technological advances have revolutionized the ability to recognize and characterize viruses new and old; vaccines are altering the epidemiological landscape of the diseases they target, in some cases raising the hope of their eradication and remarkably powerful computational tools are enabling not only detection of outbreaks of disease much sooner than in the past but also, through complex mathematical modeling, more accurate prediction of their potential impact. The new Fifth Edition of Viral Infections of Humans captures the both the excitement and frustration of the dynamic struggle between humankind and the viruses that continue to cause immense suffering. It presents the latest concepts, methods and technologies in epidemiology, detection, investigation, modeling and treatment. Updated and entirely new chapters by dozens of experts across the field provide analytic summaries of current knowledge of viruses and prions causing acute syndromes, chronic illnesses and/or malignancies. In sum, this ambitiously expanded volume offers a uniquely comprehensive perspective on viruses in humans, from agents of classic diseases (e.g., hepatitis, measles, polio, rabies and yellow fever), to those with greatest pandemic impact (e.g., influenza and human immunodeficiency virus), to those discovered relatively recently (e.g., henipavirus, metapneumovirus and norovirus). The new Fifth Edition of Viral Infections of Humans is an invaluable reference for students, fellows and established professionals in the fields of microbiology, public health and infectious disease epidemiology, medicine and health policy.

For decades, health care practitioners have relied on Middleton's Allergy as their go-to reference for comprehensive information on allergic disorders. Now Middleton's Allergy Essentials, by Drs. Robyn E. O'Hehir, Stephen T. Holgate, and Aziz Sheikh, offers a concise resource that's both easily accessible and highly authoritative. Perfect for clinicians in primary and secondary care settings, this practical volume covers what is most useful in your daily practice, with a strong emphasis on disease diagnosis and management. A practical approach to evaluation, differential diagnosis, and treatment of allergic disorders, focused specifically on what the non-specialist needs to know for everyday practice. Each chapter begins with a handy summary of key concepts to help you quickly identify important information. Coverage of today's hot topics includes asthma, drug allergies, food allergies and gastrointestinal disorders, anaphylaxis, atopic dermatitis, and allergic contact dermatitis. Concise sections on mechanisms are included where relevant, keeping you up to date with this rapidly evolving field. Authored by the same internationally recognized experts that produce Middleton's Allergy, the definitive text in the field. Ideal for physicians, residents, general and family practitioners, nurse practitioners, primary care doctors, hospitalists, general internists - anyone who is called upon to make effective diagnostic and treatment decisions regarding allergic disorders.

The Fourth Edition of the compendium pools together the knowledge and experience of experts from all over the world, who are engaged in teaching and research in the field of biochemistry, medical sciences and allied disciplines. Comprising 20 sections, the present edition of the book has been substantially revised incorporating the latest research and achievement in the field. Begins appropriately with chemical architecture of the living systems, role and significance of biochemical reactions, organization of specialised tissues, and importance of food and nutrition, the book explores beyond traditional boundaries of biochemistry. The knowledge of various organ systems has been expanded covering their normal function, ailments, and dysfunction. Chapters on Eye and Vision explaining molecular basis of cataract and glaucoma have been added. Also, the book introduces stem cells and regenerative therapy and defines molecules associated with pleasure, happiness, stress and anxiety. A section on Gastrointestinal and Biliary System elaborates on physiology and dysfunction, including fatty liver and its implications, and hepatitis viruses. The knowledge of Human Genetics and Biochemical Basis of Inheritance has been appropriately expanded to reflect the latest advances in various domains. Besides DNA fingerprinting for identity establishment, the Section discusses epigenetics, micro-RNA and siRNA including their role in gene expression, chromatin modification and its association with human diseases, and genetic engineering. It also explores emerging areas such as metabolomics and proteomics; synthetic biology, and dual use technology in bioterrorism. Due emphasis has been given to the Section on Cell Replication and Cancer. Emergence of the use of probiotics in human health has also been highlighted. Besides, an entire Section has been devoted to male and female reproductive systems, fertilization, implantation, pregnancy, lactation, and assisted reproductive technology. Immunology, including vaccines and immunization, has been given due attention with latest updates in this fast growing area. Modern medicine, despite its stupendous advances cannot provide cure for all ailments. Thus, the new edition provides knowledge of alternative medicine systems—Ayurveda, Homeopathy, Unani, Yoga and Herbal Medicine. Incorporating vast information on the latest and emerging areas, the book will be of immense value to the students of medical sciences not only in their preclinical years, but also in all phases of medical course including postgraduate education and practice. Besides, it will also serve as a valuable source to the students of biochemistry and human bi

Roitt's Essential Immunology, Includes Desktop Edition

Allergy Essentials

BIOS Instant Notes in Immunology

Anatomy and Histology of the Laboratory Rat in Toxicology and Biomedical Research

Tree Kangaroos

Middleton's Allergy E-Book

Bioanalytical Techniques form an integral part of applied biology and biomedical sciences. The various principles of bioanalytical techniques used in biomedical sciences, environmental studies, life sciences, pharmaceutical analysis, molecular biology, and biotechnological research are comprehensively discussed in this book. Analytical instrumentation is also explained in as concise a manner as possible. Microscopy, centrifugation, chromatography, electrophoresis, spectroscopy, and radioisotope and immunodiagnostic techniques are the main topics focussed in this book. Techniques in molecular biology and recombinant DNA technology have also been described in detail.

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This best-selling resource has a worldwide reputation as the leader in its field. Focusing on human immunology and biology, while also reporting on scientific experimentation and advance research, it provides comprehensive coverage of state-of-the-art basic science as well as authoritative guidance on the practical aspects of day-to-day diagnosis and management. This new edition includes 700 full-color illustrations, a new, more accessible format to make finding information a snap for the busy practitioner. Includes a glossary of allergy and immunology for quick and easy reference. Contains key points and clinical pearls highlighted to find important information quickly and easily for your patients. Offers contributions from hundreds of international authorities for world-class expertise in overcoming any clinical challenge. Contains 400 new illustrations, 700 in all, to better illustrate complex immunology. Covers the very latest in the field, including hot topics such as food allergy and immunotherapy. Includes the latest guidelines from The National Asthma Education and Prevention Program (NAEPP). Utilizes a new, more user-friendly full-color format for easier reference.

Preceded by Roitt's essential immunology / Peter J. Delves ... [et al.], 12th ed. 2011.

IgG4-Related Disease

Middleton's Allergy Essentials E-Book

A Comprehensive Clinical Guide

Autoantibodies and Cytokines

Immunology

A Laboratory Perspective

This introductory text explains both the basic science and the applications of biotechnology-derived pharmaceuticals, with special emphasis on their clinical use. It serves as a complete one-stop source for undergraduate/graduate pharmacists, pharmaceutical science students, and for those in the pharmaceutical industry. The Fourth Edition will completely update the previous edition, and will also include additional coverage on the newer approaches such as oligonucleotides, siRNA, gene therapy and nanotech.

BASIC CLINICAL LABORATORY TECHNIQUES, Sixth Edition teaches prospective laboratory workers and allied health care professionals the basics of clinical laboratory procedures and the theories behind them. Performance-based to maximize hands-on learning, this work-text includes step-by-step instruction and worksheets to help users understand laboratory tests and procedures ranging from specimen collection and analysis, to instrumentation and CLIA and OSHA safety protocols. Students and working professionals alike will find BASIC CLINICAL LABORATORY TECHNIQUES an easy-to-understand, reliable resource for developing and refreshing key laboratory skills. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The perfect balance of theory and practice! Here's the must-have information you need to understand the essential principles of immunology and to master the serology techniques most commonly used in the laboratory. Easy-to-read, student-friendly coverage focuses on the direct application of theory to clinical laboratory practice, preparing you for the real world in which you will practice. The 4th Edition of this popular text has been completely updated and revised throughout to reflect the latest advances in the field. A brand-new full-color layout makes the content easier to understand than ever before.

Perfect for clinicians in both primary and secondary care settings, Allergy Essentials, 2nd Edition, covers the information you need most in your daily practice, with a strong emphasis on disease diagnosis and management. In one concise, convenient volume, it covers all common allergies in children and adults, offering authoritative content from the world's leading allergy experts in conjunction with primary care/family practitioners for a practical, balanced approach. You'll find up-to-date information on everything from basic immunology and physiology to new medications, new therapies, and individualized treatment options, allowing you to confidently integrate these changes into your practice. Offers a practical approach to evaluation, differential diagnosis, and treatment of allergic disorders, focused specifically on what the non-specialist needs to know for everyday practice. Includes new content on allergen-specific immunotherapy as well as a new chapter on precision medicine. Covers the most recent allergy tests, including blood tests, and includes current discussions of biologics as therapeutics. Provides focused, relevant information on basic immunology and physiology, epidemiology, and allergens. Begins each chapter with a handy summary of key concepts to help you quickly identify important information. Authored by the same internationally recognized experts that produce Middleton's Allergy, the definitive text in the field. An ideal resource for primary care providers who are increasingly seeing and treating patients with allergic conditions as well as allergists who need a concise and current practice reference.

Middleton's Allergy

Emery's Elements of Medical Genetics E-Book

Postgraduate Haematology

Principles and Pathology

A Practical Guide, Fourth Edition

Principles and Practice

Blood Science is a relatively new discipline which merges biochemistry, haematology, immunology, transfusion science and genetics. This bringing together of traditional disciplines requires a corresponding change in education and training for healthcare scientists and Blood Science: Principles and Pathology is written in response to this emerging need. An introduction to the subject and an overview of the techniques used in blood science are followed by a series of chapters based on groups of analytes investigated in blood - red blood cells, white blood cells and platelets, followed by the constituents of plasma, including waste products, electrolytes, glucose, lipids, enzymes, hormones, nutrients, drugs, poisons and others. Each chapter is supported by learning objectives, summaries and further information, and a focus is given to chapter specific case studies with interpretation to demonstrate how laboratory data in conjunction with clinical details is utilised when investigating patients with actual or suspected disease. Finally, a separate chapter offers more detailed case reports and clinical aspects of blood science. Undergraduate students taking blood science modules as part of their BSc programmes in Biomedical and Healthcare Sciences will appreciate the level of integration between clinical biochemistry and haematology. In addition, this book will provide suitable initial reading for those students embarking on blood science modules on MSc programmes and will be of value to new graduates entering the profession and starting their career in blood science departments by supplementing practice-based training with the required theoretical underpinning. This book is approved by the Institute of Biomedical Science and written by its expert writers, many of whom work on the Institute's advisory panels.

Beautifully presented, and now in full colour, the sixth edition ofEssential Endocrinology and Diabetes is fullyup-to-date with the latest knowledge and concepts on theworkings of the endocrine system. It explains the key principles ofendocrine physiology in an easy reading style popular withstudents, clinicians and scientists. The invaluable background onbasic science and investigation, including new moleculeartechniques, provides the foundation for detailed discussion ofthe diagnosis and management of clinical endocrine disorders anddiabetes. The teaching style and presentation has been strengthenedthroughout, and includes learning objectives and“recap” links at the beginning of each chapter thatremind the reader of key findings and principles, whilecross-referencing makes it easy to locate related informationquickly and efficiently. There are also more case studies, withdetailed answers applying theory to practice. Essential Endocrinology and Diabetes is the perfectresource for a course on endocrinology and diabetes, as partof USMLE teaching, and an on-going companion during postgraduateclinical and scientific study. It is accompanied by a FREEenhanced Wiley Desktop Edition - the interactive, digital versionof the book - featuring downloadable text and images,highlighting and note taking facilities, book-marking,cross-referencing, in-text searching, and linking to relevant resources.

Anatomy and Histology of the Laboratory Rat in Toxicology and Biomedical Research presents the detailed systematic anatomy of the rat, with a focus on toxicological needs. Most large work deals with the laboratory rat provide a chapter on anatomy, but fall far short of the detailed account in this book which also focuses on the needs of toxicologists and others who use the rat as a laboratory animal. The book includes detailed guides on dissection methods and the location of specific tissues in specific organ systems. Crucially, the book includes classic illustrations from Miss H. G. Q. Rowett, along with new color photo-micrographs. Written by two of the top authors in their fields, this book can be used as a reference guide and teaching aid for students and researchers in toxicology. In addition, veterinary/medical students, researchers who utilize animals in biomedical research, and researchers in zoology, comparative anatomy, physiology and pharmacology will find this book to be a great resource. Illustrated with over 100 black and white and color images to assist understanding, detailed descriptions and explanations to accompany all images, thus helping with self-study Designed for toxicologic research for people from diverse backgrounds, including biochemistry, pharmacology, physiology, immunology and general biomedical sciences.

The mechanism of autoantibodies cannot be explained without the detail knowledge of cytokines and interferon. These active molecules of immunology are very much dependent on each other and their function cannot be completed without their interaction towards each other. Currently, this the most updated book on this subject that helps the readers/students to upgrade their knowledge by going through chapter by chapter. Contribution by the renowned authors across the globe makes this book really unique and consider as one of the most updated textbook on this subject. This book provides a comprehensive guide to the function and types of autoantibodies and cytokines in basic and clinical field.

Fundamentals and Applications

A Morphologic, Cytogenetic and Immunophenotypic Approach

Transplantation at a Glance

Really Essential Medical Immunology

Pharmaceutical Biotechnology

Підручник для ВНЗ IV п-а.

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

Long recognized as a leading textbook in this fast-moving field, Emery's Elements of Medical Genetics and Genomics offers current, complete information with a strong basis in practical clinical genetics and genomics for medical school and beyond. The 16th Edition of this award-winning text has been thoroughly updated throughout and includes case-based and multiple-choice questions, end-of-chapter summaries, an extensive glossary, and a new online access to all medical information, as well as a new chapter on emerging topics such as pharmacogenetics, personalized medicine, prenatal testing, reproductive genetics, and ethical and legal issues in medical genetics. Divides the text into three easy-to-use sections: The Scientific Basis of Human Genetics, Genetics in Medicine and Genetic Medicine, and Clinical Genetics, Counseling and Ethics. Features full-color illustrations and other images that help readers visualize the appearance of genetic disorders and assist with the understanding of complex genetic structures. Contains learning features such as summary boxes, an extensive glossary of terms, online hyperlinks to important genetics websites and clinical databases, and more. Presents the extensive knowledge and experience of distinguished editors Peter D. Turnpenny and Sian Ellard, as well as new editor Ruth Cleaver.

The first basic overview of all aspects of transplantation with a clarity not to be found in more inaccessibletextbooks. This brand new title provides a succinct overview of both theoretical and clinical principles of organ transplantation and thtypes of organ transplant, featuring highly-illustrated informationcovering 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 Transplantation at a Glance is the idealintroduction for medical students, junior doctors, surgicaltrainees, immunology students, pharmacists, and nurses ontransplant wards.

IMMUNOLOGY

Fundamentals and Laboratory Techniques

Blood Science

Essential Immunology

TEXTBOOK OF BIOCHEMISTRY, BIOTECHNOLOGY, ALLIED AND MOLECULAR MEDICINE

Surgery of the Liver, Bile Ducts and Pancreas in Children, Third Edition describes the modern approach to the diagnosis, management and surgery of childhood conditions of the liver and associated structures. The first edition was recognized worldwide as a landmark publication and helped to establish pediatric hepatobiliary surgery as a discrete specialty; the second was expanded to include pancreatic diseases, transpaediatric and trauma. This third edition is overseen by a new editorial team from two world-leading centers for children's liver surgery: King's College Hospital in London, and Lurie Children's Hospital in Chicago. The book has been further enhanced and updated by a team of international experts to take account of the very latest advances in research and practice.

IgG4-related disease is a new systemic disease that has only recently been identified and characterized. However, most clinical practitioners are not yet familiar with it and thus are likely to misdiagnose it. The purpose of this book is to raise awareness of this disease and its diagnostic pitfalls. A wealth of radiological and histopathological images helps clinicians to understand its characteristics in various organs as well as their clinical and basic medical backgrounds. All of the authors are experts who have published numerous important papers in the field. This book will be useful to physicians in various disciplines such as gastroenterology, rheumatology, ophthalmology, otolaryngology, urology, hematology, and respiratory medicine, not only as a textbook but as an authoritative and comprehensive reference work as well.

Immunology: A Short Course provides an overview of the physiology of the immune system and the pathophysiology of a broad range of immune-mediated diseases, offering accessible and comprehensive guidance to the basic concepts and clinical approaches in the discipline. Now in its eighth edition, this bestselling textbook has been fully updated to reflect our expanded knowledge of how the immune system develops and functions, and the ways in which these physiological phenomena can fail or be compromised. New chapters examine cells and organs of the immune system, organization and expression of lymphocyte antigen receptor genes, experimental systems and methods, and B- and T-cell development activation. Helping students gain an integrated understanding of immunology, this textbook: Offers substantial new and revised material, expanded clinical coverage, enhanced pedagogical features, and updated figures, tables, and references Features recent research advances and therapeutic successes in the field of immunology Includes a companion website containing multiple choice questions, electronic flashcards, downloadable figures, PowerPoint slides, and sample cases Can be supplemented with the Clinical Cases in Immunology companion book The eighth edition of Immunology: A Short Course is an ideal resource for life and health science students, dental and nursing students seeking a short course text, and basic scientists and clinical researchers looking to refresh their knowledge in the subject.

The biological sciences cover a broad array of literature types, from younger fields like molecular biology with its reliance on recent journal articles, genomic databases, and protocol manuals to classic fields such as taxonomy with its scattered literature found in monographs and journals from the past three centuries. Using the Biological Literature: A Practical Guide, Fourth Edition is an annotated guide to selected resources in the biological sciences, presenting a wide-ranging list of important sources. This completely revised edition contains numerous new resources and descriptions of all entries including textbooks. The guide emphasizes current materials in microbiology, biochemistry and immunology. Besides, the book will be equally beneficial for the students appearing for competitive examinations like UGCNET, CSIR, SLET and civil services. Informa2. HIV chapter completely updated including results of trials of Male Circumcision, HIV-vaccines, female condoms, Microbicides and new drugs3. New chapter on Infectious Disease Eradication (e.g. Smallpox, Polio, Measles)4. New chapter on Pneumococcal Disease (with material on S. pneumoniae moved from the ARI and Vaccine chapters)5. Influenza chapter updated with new material on H1N1 and control/prevention of Influenza during a pandemic 6. Consolidation of material from the chapters on Outbreaks and Surveillance.7. Nosocomial Infection chapter is shortened and updated with a new section on nosocomial/community MRSA8. Malaria chapter updated with new information on bed nets, prophylactic therapy of pregnant women and other high risk populations as well as new detailed examination of the organization, implementation, and accomplishments of the WHO -Roll Back Malaria program; and a new description of the 5th Human Malaria parasite -P.knowlesi and its Epidemiology.9. STD chapter is updated with new information on the rapid diagnosis of STDs using urine PCR-methods as well as new information on partner prophylactic treatment of STDs10. New information in Chikungunya virus, Enterovirus 71, Nipah and Hendra virus -P. knowlesi and its Epidemiology.9. STD chapter is updated with new information on the rapid diagnosis of STDs using urine PCR-methods as well as new information on partner prophylactic treatment of STDs10. New information in Chikungunya virus, Enterovirus 71, Nipah and Hendra virus -P. knowlesi and its Epidemiology.9. STD chapter is updated with new information on the rapid diagnosis of STDs using urine PCR-methods as well as new information on partner prophylactic treatment of STDs10. Infectious Diseases research -e.g. Health Belief model etc.

The field of pharmaceutical biotechnology is evolving rapidly. A whole new arsenal of protein pharmaceuticals is being produced by recombinant techniques for cancer, viral infections, cardiovascular and hereditary disorders, and other diseases. In addition, scientists are confronted with new technologies such as polymerase chain reactions, combinatorial chemistry and gene therapy. This introductory textbook provides extensive coverage of both the basic science and the applications of biotechnology-produced pharmaceuticals, with special emphasis on their clinical use. Pharmaceutical Biotechnology serves as a complete one-stop source for undergraduate pharmacists, and it is valuable to researchers and professionals in the pharmaceutical industry as well.

Roitt's Essential Immunology

A Short Course

Epidemiology and Control

Basic Clinical Laboratory Techniques

Roitt's Essential Immunology - the textbook of choice for students and instructors of immunology worldwide Roitt's Essential Immunology clearly explains the key principles needed by medical and health sciences students, from the basis of immunity to clinical applications. A brand new introduction sets the scene to section 1, Fundamentals of Immunology, introducing the microbial world and the strategies the body employs to defend itself. Each chapter then guides the reader through a different part of the immune system, and explains the role of each cell or molecule individually, and then as a whole. Section 2, Applied Immunology, discusses what happens when things go wrong, and the role the immune system plays alongside the damaging effects of a disease, including cancer, immunodeficiency, allergies and transplantation and the beneficial effects of vaccines. The 13th edition continues to be a user-friendly and engaging introduction to the workings of the immune system, whilst supporting those who require a slightly more detailed understanding of the key developments in immunology. The content has been fully updated throughout and includes: An expansion on key clinical topics, including: innate immunity, autoimmune conditions, asthma, primary immunodeficiency, and HIV/AIDS Beautifully presented with improved artwork and new illustrations A range of learning features, including introduction re-cap boxes, end of chapter and section summaries to aid revision, as well as further reading suggestions, and a glossary to explain the most important immunology terms. Roitt's Essential Immunology is also supported by a companion website at www.roitt.com including: An additional online only chapter on immunological methods and applications Further interactive multiple choice and single best answer questions for each chapter Animations and videos showing key concepts Fully downloadable figures and illustrations, further reading and useful links Updated extracts from the Encyclopaedia of Life Sciences Podcasts to reinforce the key principles explained in the text

Gain a clear understanding of pathophysiology and lab testing! Clinical Chemistry: Fundamentals and Laboratory Techniques prepares you for success as a medical lab technician by simplifying complex chemistry concepts and lab essentials including immunoassays, molecular diagnostics, and quality control. A pathophysiologic approach covers diseases that are commonly diagnosed through chemical tests — broken down by body system and category — such as respiratory, gastrointestinal, and cardiovascular conditions. Written by clinical chemistry educator Donna Larson and a team of expert contributors, this full-color book is ideal for readers who may have minimal knowledge of chemistry and are learning laboratory science for the first time. Full-color illustrations and design simplify complex concepts and make learning easier by highlighting important material. Case studies help you apply information to real-life scenarios. Pathophysiology and Analtes section includes information related to diseases or conditions, such as a biochemistry review, disease mechanisms, clinical correlation, and

laboratory analytes and assays. Evolve companion website includes case studies and animations that reinforce what you've learned from the book. Laboratory Principles section covers safety, quality assurance, and other fundamentals of laboratory techniques. Review questions at the end of each chapter are tied to the learning objectives, helping you review and retain the material. Critical thinking questions and discussion questions help you think about and apply key points and concepts. Other Aspects of Clinical Chemistry section covers therapeutic drug monitoring, toxicology, transplantation, and emergency preparedness. Learning objectives in each chapter help you to remember key points or to analyze and synthesize concepts in clinical chemistry. A list of key words is provided at the beginning of each chapter, and these are also bolded in the text. Chapter summaries consist of bulleted lists and tables highlighting the most important points of each chapter. A glossary at the back of the book provides a quick reference to definitions of all clinical chemistry terms.