

Immunology A Short Course 6th Edition

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Podstawy immunologii dla reumatologów Włodzimierz Maśliński 2017-12-18 Aktualne i przystępne wprowadzenie w zagadnienia immunologii w obszarze zainteresowań reumatologów. Idealny zbiór zarówno dla studentów medycyny, jak i absolwentów przygotowujących się do specjalizacji lub pragnących odświeżyć wiedzę.

Case Studies in Immunology Raif Geha 2010-07-29

Environmental Radiation Effects on Mammals Olga A. Smirnova 2016-10-14 Dr. Smirnova's updated text is devoted to the theoretical studies of radiation effects on mammals. It summarizes 35 years of results the author obtained from analyzing dose rate equivalents for the Galactic Cosmic Rays (GCR) and for Solar Particles Events (SPE). This edition also includes two new chapters on skin epidermal epithelium and risk assessment for myeloid leukemia, as well as extended revisions addressing the radiation effects on the blood-forming system. Mathematical models are used to explain the effects of both acute and chronic irradiation on the dynamics of vital body systems, like the hematopoietic system, the development of autoimmune diseases, and the mortality dynamics in homogeneous and nonhomogeneous mammalian populations. The proposed methodology of these studies, the models themselves, and the obtained results are of a great theoretical significance and can find wide practical use.

Mims' Medical Microbiology E-Book Richard Goering 2018-02-27 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 '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.

Basic Immunology Abul K. Abbas 2004 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!

Medical Terminology: A Short Course Davi-ellen Chabner 2015-10-26 Quickly master the basics of medical terminology and begin speaking and writing terms almost immediately! Using Davi-ellen Chabner's proven learning method, Medical Terminology: A Short Course, 7th Edition omits time-consuming, nonessential information and helps you build a working medical vocabulary of the most frequently encountered prefixes, suffixes, and word roots. Medical terms are introduced in the context of human anatomy and physiology to help you understand exactly what they mean, and case studies, vignettes, and activities demonstrate how they're used in practice. With all this plus medical animations, word games, and flash cards on the Evolve companion website, you'll be amazed at how easily medical terminology becomes part of your vocabulary. Self-teaching text/workbook approach reinforces learning every step of the way with labeling diagrams, pronunciation tests, and review sheets throughout the book. Clear, non-technical explanations demystify medical terminology even if you've had little or no background in science or biology. "Picture Show" activities, practical case studies, and vignettes demonstrate real-life applications of medical terms in describing describe pathology and procedures. Full-color images illustrate anatomical and pathological terms. "Principal Diagnosis" feature shows how medical terms are used in clinical practice by asking you to read physician notes about a case and determine the patient's principal diagnosis. "First Person" narratives help you understand diseases and conditions from the patient's perspective. "Spotlight" feature identifies and clarifies potentially confusing terminology. "Medical Terminology Check Up" at the end of each chapter reinforces your understanding of key concepts. Labeled illustrations in the Spanish glossary present Spanish terms for major anatomical structures. A tablet-optimized Evolve companion website includes word games, learning exercises, audio pronunciations, animations, an anatomy coloring book, electronic flash cards, and more. NEW and UPDATED medical information keeps you current with today's healthcare terminology, and includes new illustrations clarifying difficult concepts and procedures. IMPROVED! Evolve resources "are now optimized for tablet use, and mobile-optimized versions of the flash cards and quick quizzes make it easier for on-the-go study and review. "

USMLE Step 1 Recall Brent A. Reinheimer 2005 This quick, easy-to-use review helps students get prepared for Step One of the USMLE. The question-and-answer RECALL employs helps students memorize the facts that are most often tested on the USMLE. The Second Edition organizes facts according to their specific basic science disciplines and provides accurate, up-to-date information at just the right level of depth for study and review. Many students regard "Buzzwords" as the strongest USMLE Step 1 tool on the market. An especially popular Power Review section helps students brush up on the details and test how well they've retained knowledge over the study period.

High-yield Comprehensive USMLE Step 1 Review Barbara Fadem 2007 High-Yield™ Comprehensive USMLE Step 1 Review is a very concise study tool for the USMLE Step 1 exam. Written by best-selling Board review author Barbara Fadem and a team of expert contributors and experienced review authors, the book provides a high-yield but comprehensive review of the content most likely to be tested on the USMLE.

Tables and illustrations throughout the text help summarize difficult concepts. Extremely concise and designed for rapid study, High-Yield™ Comprehensive USMLE Step 1 Review is perfect for last-minute review or a quick brush-up anytime.

Bailey & Scott's Diagnostic Microbiology Patricia Tille 2021-02-04 Perfect your lab skills with the essential text for diagnostic microbiology! Bailey & Scott's Diagnostic Microbiology, 15th Edition Is known as the #1 bench reference for practicing microbiologists and as the preeminent text for students in clinical laboratory science programs. With hundreds of full-color illustrations and step-by-step methods for procedures, this text provides a solid, basic understanding of diagnostic microbiology and also covers more advanced techniques such as matrix-assisted laser desorption time-of-flight mass spectrometry. Written by noted CLS educator Dr. Patricia Tille, Diagnostic Microbiology has everything you need to get accurate lab test results in class and in clinical practice. More than 800 high-quality, full-color illustrations help you visualize concepts. Expanded sections on parasitology, mycology, and virology allow you to use just one book, eliminating the need to purchase other microbiology textbooks for these topics. Hands-on procedures show exactly what takes place in the lab, including step-by-step methods, photos, and expected results. Case studies allow you to apply your knowledge to diagnostic scenarios and to develop critical thinking skills. Genera and Species boxes provide handy, at-a-glance summaries at the beginning of each organism chapter. Learning objectives at the beginning of each chapter provide measurable outcomes to achieve by completing the chapter material. A glossary defines terms at the back of the book and on the Evolve companion website. New! Updated content includes infectious disease trends and new illustrations such as culture plate images of real specimens, complex gram stains, lactophenol cotton blue microscopy, and more. NEW COVID-19 information has been added. UPDATED topics include the Human Microbiome Project, expanded MALDI-TOF applications and molecular diagnostics in conjunction with traditional microbiology, additional streps, and significant news in mycology. EXPANDED glossary defines terms on the Evolve companion website.

Fundamentals of Natural Computing Leandro Nunes de Castro 2006-06-02 Natural computing brings together nature and computing to develop new computational tools for problem solving; to synthesize natural patterns and behaviors in computers; and to potentially design novel types of computers. Fundamentals of Natural Computing: Basic Concepts, Algorithms, and Applications presents a wide-ranging survey of novel techniques and important applications of nature-based computing. This book presents theoretical and philosophical discussions, pseudocodes for algorithms, and computing paradigms that illustrate how computational techniques can be used to solve complex problems, simulate nature, explain natural phenomena, and possibly allow the development of new computing technologies. The author features a consistent and approachable, textbook-style format that includes lucid figures, tables, real-world examples, and different types of exercises that complement the concepts while encouraging readers to apply the computational tools in each chapter. Building progressively upon core concepts of nature-inspired techniques, the topics include evolutionary computing, neurocomputing, swarm intelligence, immunocomputing, fractal geometry, artificial life, quantum computing, and DNA computing. Fundamentals of Natural Computing is a self-contained introduction and a practical guide to nature-based computational approaches that will find numerous applications in a variety of growing fields including engineering, computer science, biological modeling, and bioinformatics.

Health Psychology Edward P. Sarafino 2014-01-13 Sarafino draws from the research and theory of many disciplines in order to show psychologists how psychology and health affect each other. Health Psychology: Biopsychosocial Interactions, 8th Edition is updated to include new research and data. New discussions are included on health care systems. Significant new information is also presented on prevention and intervention, especially for teens' risky behaviors. In addition, international examples are included to broaden the psychologist's view of health issues around the world and highlight what works in the field.

Isolation and Characterization of Uncle Fester, an Allorecognition Molecule in the Primitive Chordate, Botryllus Schlosseri 2011 The ability to molecularly distinguish self from non-self is a common feature throughout the metazoa and is the fundamental basis of immune function. Although this phenomenon is pervasive throughout the animal kingdom, we often find examples of highly polymorphic, naturally occurring allorecognition systems within the colonial marine invertebrates. These types of animals, specifically the sponges, hydroids, anemones, bryozoans and ascidians, are permanently attached to the substratum and typically propagate continuously via asexual reproduction, which often results in physical contact between adjacent colonies. If the colonies are compatible they will often blend together, and depending on the species will form a single chimeric individual or they will reject, during which the interacting tissues are destroyed. In the vertebrates, histocompatibility is ultimately an artifact of medical intervention, considering that vertebrates are only naturally challenged to immunologically tolerate individuals of their own species during pregnancy. Ultimately, allorecognition in the vertebrates is controlled by polymorphisms at the MHC, which are recognized by effector cells in both the adaptive (T-cells) and innate (Natural Killer cells) branches of the immune system. Interestingly, the molecular components responsible for driving adaptive immunity within the vertebrates are entirely absent within the lower taxa. Thus, while it is clear that highly polymorphic allorecognition systems have an early phylogenetic origin, the molecular and cellular basis driving their specificity, and their relationship to the more sophisticated vertebrate immune system has remained elusive. The primary focus of my dissertation has been to characterize a candidate allorecognition protein, called uncle fester, and determine if it plays a role in a naturally occurring transplantation reaction that occurs in the primitive chordate Botryllus schlosseri. As the closest living invertebrate relative to the vertebrates, B. schlosseri occupies a key position within chordate lineage and is thus phylogenetically poised to address questions regarding the origins of vertebrate innate and adaptive immunity. In chapter 2, I provide an in-depth review of the allorecognition phenotype found within Botryllids, as well as a summary of the previously characterized molecular components implicated in the response. Briefly, as colonies of Botryllus schlosseri grow within their natural habitat, they often come into contact with one another at extracorporeal vascular structures called ampullae. After this initial interaction, colonies will either fuse, forming a parabiotic pair and hematopoietic chimera, or they will reject, initiating a blood-based inflammatory reaction that causes the two colonies to retreat. Fusion or rejection is controlled by the polymorphisms of a single locus, called the fuhc, and in order for two colonies to fuse they must share one or both alleles at this gene. In addition to the self-ligand, a putative receptor called fester has also been identified. Functional assays indicate that fester is playing dual roles in the allorecognition response, both as an inhibitory receptor involved in discriminating between different fuhc alleles and as an activating receptor, responsible for the initiation of both fusion and rejection. Encoded between the fuhc and fester, is a distantly related member of the fester family, a gene which we called uncle fester and its description is found within chapter 3. To characterize this locus, I posed the following questions: 1) Is uncle fester polymorphic at the nucleotide or amino acid level? 2) Are there alternative splice forms? 3) Where are uncle fester mRNA and protein expressed in juveniles and adults? and 4) What is its function in vivo? What I discovered is that the uncle fester gene consists of 9 exons spanning a genomic region of ca. 46 Kb., contains a signal sequence, an extracellular SCR domain, three contiguous

Pharmaceutical Biotechnology Melvin E. Klegerman 1992

Microbiology S. James Booth 2000 Microbiology: Pearls of Wisdom is a review manual designed for those preparing for MCAT, VCAT, DCAT, USMLE Parts I, II and III, and students preparing for course exams. Through its use of a rapid-fire question and answer format, this review of Microbiology principles provides help for improving performance on Microbiology written and practical examinations by offering students immediate gratification with the correct answer.

Neuroscience of Clinical Psychiatry Edmund S. Higgins 2013-05-07 Little information from this complex and evolving field of neuroscience has been readily accessible to the clinical psychiatrist on the front lines of patient care, let alone to the resident preparing for the Boards. There thus has existed a need for a concise and accessible text that builds a bridge between the two disciplines. To meet this need, the fully updated Second Edition of this straightforward and reader-friendly reference provides readers with a basic link between the science of the brain and the treatment of common mental health disorders. Both comprehensive and easy to follow, this textbook is being used in psychology graduate programs, nurse practitioner training and psychiatry residencies. It is useful for board exam review as well as for the practicing clinician looking to keep pace with the latest advances in neuroscience. The book's clear and direct language will enhance your understanding of basic neuroscientific concepts underlying commonly encountered disorders, and the effects of brain chemistry on common behaviors. Practical applications, insightful illustrations, and review questions following each chapter help solidify your grasp of neuropathology and its link to mental health disorders and their treatment.

Current Catalog National Library of Medicine (U.S.) 1985 First multi-year cumulation covers six years: 1965-70.

National Library of Medicine Current Catalog National Library of Medicine (U.S.) 1984

Focus on Pathophysiology Barbara L. Bullock 2000 his streamlined text combines a reader friendly style and easy access organisation to promote comprehension and retention of pathophysiologic concepts. Using bulleted lists, illustrations, and case studies, this practical resource first explains normal physiology to provide a firm basis for understanding of pathophysiology. End of unit case studies put key pathophysiologic concepts to work in real-world practice. Numerous illustrations and tables complement the text, and a useful glossary familiarises readers with essential terms

Janeway's Immunobiology Kenneth Murphy 2010-06-22 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.

How the Immune System Works Lauren M. Sompayrac 2015-10-26 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

Immunology Richard Coico 2009-01-14 "Each chapter is complemented with bulleted summaries and review questions with detailed answers. The book also contains an extensive glossary. Written in a clear, user-friendly style, this text is suitable for integrated courses that cover microbiology, immunology, and pathology, as well as focused immunology courses."--BOOK JACKET.

USMLE Step 1 Recall Brent A. Reinheimer 2008 Presented in question-and-answer Recall format, this book helps students memorize the facts that are most often tested on the USMLE. The Power Review section helps students brush up on the details and test how well they've retained knowledge over the study period. It organizes facts according to their specific basic science disciplines.

Parasitism Timothy M. Goater 2013-12-16 Synthesizes the latest developments in the ecology and evolution of animal parasites for a new generation of parasitologists.

Exercise Immunology Michael Gleeson 2013-06-26 Exercise immunology is an important, emerging sub-discipline within exercise physiology, concerned with the relationship between exercise, immune function and infection risk. This book offers a comprehensive, up-to-date and evidence-based introduction to exercise immunology, including the physiological and molecular mechanisms that determine immune function and the implications for health and performance in sport and everyday life. Written by a team of leading exercise physiologists, the book describes the characteristics of the immune system and how its components are organised to form an immune response. It explains the physiological basis of the relationship between stress, physical activity, immune function and infection risk, and identifies the ways in which exercise and nutrition interact with immune function in athletes and non-athletes. The book shows students how to evaluate the strengths and limitations of the evidence linking physical activity, immune system integrity and health, and explains why exercise is associated with anti-inflammatory effects that are potentially beneficial to long-term health. Every chapter includes useful features, such as clear summaries, definitions of key terms, discussions of seminal research studies and practical guidelines for athletes on ways to minimise infection risk, with additional learning resources available on a companion website. This is an essential textbook for any course on exercise immunology or advanced exercise physiology.

Artificial Immune Systems Christian Jacob 2005-08-31 This book constitutes the refereed proceedings of the 4th International Conference on Artificial Immune Systems, ICARIS 2005, held in Banff, Alberta, Canada, in August 2005. The 37 revised full papers presented were carefully reviewed and selected from 68 submissions. The papers are organized in topical sections on conceptual, formal, and theoretical frameworks, immunoinformatics, theoretical and experimental studies on artificial immune systems, and applications of artificial immune systems.

Immunology S. Nandi 2009-01-15 "The book is written in a very simple and lucid manner so that everybody can read and understand the Immunology subject very easily. The book is useful for scientist, teachers, students, officers, diagnosticians and researchers as Immunology has become an essential and indispensable subject now a days not only to understand the different arms of the immune system playing a role in the pathogenesis of the diseases but also to diagnose and treat the diseases in a efficient and effective manner. This book will provide information on all the aspects of the Immunology such as Elements of innate and acquired immunity, Antigens and antigenicity, Antibody structure and functions, Complement, Serological tests, origin, morphology and functions of T and B lymphocytes, Cytokines, Defects in immune system, AIDS, Autoimmunity and tolerance, Tumour immunology, Vaccines and vaccinations besides a large number of questions of miscellaneous nature. A list of tests recommended for infectious diseases in international trade has also been included for ready reference of researchers, teachers and students as well. Lastly it will be helpful for all to understand the Immunology subject easily and to face various competitive examinations with a greater degree of confidence."

Immunology Warren Strober 2014-04-21 26 real-life cases illustrate the applications of basic immunology in clinical settings May be utilized alone or as a companion to Immunology: A Short Course, 7th Edition by Richard Coico and Geofftry Sunshine (ISBN 9781118396919) Each case study is introduced by clearly written descriptions of the major immunological disorders Full colour photographs and illustrations

complement complete presentation of real data Includes complete set of problems and discussion questions for each chapter
Antibodies Applications and New Developments Eline P. Meulenberg 2012-05-16 Antibodies Applications and New Developments is an overview of the current developments of techniques and methods relating to immunodiagnosics and immunoanalysis. This eBook also deals with specialties in the fields of drug, pesticide, antigen and food contaminant detection. The volume is useful for professional immunologists and biotechnologists interested in antibody research and development.

Pathophysiology Applied to Nursing Esther Chang 2005-11-30 This valuable resource is designed to provide a foundation for understanding major pathophysiological processes, applied pharmacology, and related nursing implications. It includes a holistic framework for assessing major health problems, based on fundamental concepts drawn from biological and behavioral sciences. The book's engaging case study approach builds in complexity with each chapter, illustrating applications of pathophysiology and pharmacology to nursing practice. Content has been assembled by academics and expert clinicians with input from physiologists, pharmacists, medical practitioners and other health professionals. Easy-to-follow body system organization explores pathophysiology concepts related to each system. The clinical case study approach featuring realistic scenarios emphasizes application of pathophysiology and pharmacology concepts in nursing practice. Each chapter includes questions and reflective learning exercises to reinforce important concepts. A holistic framework is presented as a method for assessing major health problems. Key aspects of biological and behavioral sciences are integrated into the chapters.

Immunology Richard Coico 2015-04-27 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 PowerPoint slides, and case-based material to help understand clinical applications

Epidemiology of Endocrine Tumors Jahangir Moini 2021-02-17 Epidemiology of Endocrine Tumors brings current data and clinical research into one source for a multidisciplinary audience. The book discusses the prevalence, incidence, etiology, pathology, diagnosis and treatment of various endocrine tumors. With clear and focused writing, it is essential reading for healthcare professionals, endocrinologists, oncologists, and public health professionals. Users will be able to bridge the knowledge gap that exists in the comprehensive coverage surrounding the epidemiology of endocrine tumors. Globally, the prevalence and incidence of endocrine tumors is high. This audience needs a treatise where they can gain a broad overview of endocrine tumors with a focus on epidemiology. Supplies information about the epidemiology of various endocrine tumors, both benign and malignant, to endocrinologists, oncologists and related health care professionals Focuses on the impact upon costs and patient deaths due to complications of these tumors Describes how endocrine tumors affect various age groups and ethnicities, discussing the prevention of endocrine tumors Presents chapters on Cancer Problem, Specific Endocrine Tumors, Prevention, Detection and Diagnosis, and Treatment of Endocrine Tumors Provides review questions with an answer key and detailed glossary

A Textbook of Modern Toxicology Ernest Hodgson 2011-09-20 A Textbook of Modern Toxicology is a unique resource that provides both students and practitioners with a wide-ranging, accessible overview of the discipline. Suitable for courses in environmental, pharmacological, medical, and veterinary toxicology, this essential text features chapters written by experts who address a range of key topics. The Fourth Edition includes additional chapters on new approaches to toxicology - molecular methods (-omics: toxicogenomics, proteomics, and metabolomics), bioinformatics, and systems biology - and continues the legacy of its predecessors to provide up-to-date insights into acute toxicity and chemical carcinogenesis, organ toxicity, in vitro and in vivo toxicity testing, ecological risk assessment, and many other areas of toxicology that help foster a solid comprehension of the field. Also featured in the Fourth Edition are end-of-chapter questions and a Solutions Manual available separately for academic adopters.

McGraw-Hill Concise Encyclopedia of Science and Technology, Sixth Edition McGraw-Hill Education 2009-06-10 Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A major revision of this classic encyclopedia covering all areas of science and technology, the McGraw-Hill Concise Encyclopedia of Science and Technology, Sixth Edition, is prepared for students, professionals, and general readers seeking concise yet authoritative overviews of topics in all major fields in science and technology. The McGraw-Hill Concise Encyclopedia of Science and Technology, Sixth Edition, satisfies the needs of readers for an authoritative, comprehensive reference work in a relatively compact format that provides the breadth of coverage of the McGraw-Hill Encyclopedia of Science & Technology, 10th Edition. Written in clear, nonspecialist language understandable to students and general readers, yet with sufficient depth for scientists, educators, and researchers, this definitive resource provides: 7100 concise articles covering disciplines of science and technology from acoustics to zoology Extensively revised content with new and rewritten articles Current and critical advances in fast-developing fields such as biomedical science, chemistry, computing and information technology, cosmology, environmental science, nanotechnology, telecommunications, and physics More than 1600 two-color illustrations 75 full-color plates Hundreds of tables and charts 1300 biographical sketches of famous scientists Index containing 30,000 entries Cross references to related articles Appendices including bibliographies and useful data McGraw-Hill Professional science reference products are supported by MHEST.com, a website offering updates to articles, periodic special features on important scientific topics, multimedia content, and other features enriching the reader's experience. We encourage readers to visit the site often. Fields Covered Include: Acoustics Aeronautics Agriculture Anthropology Archeology Astronomy Biochemistry Biology Chemistry Computers Cosmology Earth Science Engineering Environmental Science Forensic Science Forestry Genetics Geography Immunology Information Science Materials Science Mathematics Medicine and Pathology Meteorology and Climate Science Microbiology Nanotechnology Navigation Neuroscience Oceanography Paleontology Physics Physiology Psychiatry Psychology Telecommunications Theoretical Physics Thermodynamics Veterinary Medicine Virology Zoology

Music in the Social and Behavioral Sciences William Forde Thompson 2014-07-18 This first definitive reference resource to take a broad interdisciplinary approach to the nexus between music and the social and behavioral sciences examines how music affects human beings and their interactions in and with the world. The interdisciplinary nature of the work provides a starting place for students to situate the status of music within the social sciences in fields such as anthropology, communications, psychology, linguistics, sociology, sports, political science and economics, as well as biology and the health sciences. Features: Approximately 450 articles, arranged in A-to-Z fashion and richly illustrated with photographs, provide the social and behavioral context for examining the importance of music in society. Entries are authored and signed by experts in the field and conclude with references and further readings, as well as cross references to related entries. A Reader's Guide groups related entries by broad topic areas and themes, making it easy for readers to quickly identify related entries. A Chronology of Music places material into historical context; a Glossary defines key terms from the field; and a Resource Guide provides lists of books, academic journals, websites and cross-references. The multimedia digital edition is enhanced with video and audio clips and features strong search-and-browse capabilities through the electronic Reader's Guide, detailed index, and cross references. Music in the Social and Behavioral Sciences, available in both multimedia digital and print formats, is a must-have reference for music and social science library collections.
Evolutionary Parasitology Paul Schmid-Hempel 2021-07-15 Concepts from evolution, ecology, parasitology, and immunology have informed a new synthesis of host-parasite interactions. The book builds on these established approaches whilst including some of the most successful interdisciplinary areas of modern biology - evolutionary epidemiology and ecological immunology.

Biochemicals and Reagents

Pharmaceutical Biotechnology Daan J. A. Crommelin 2013-10-22 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.

Cell Biology Stephen R. Bolsover 2011-10-04 CELL BIOLOGY The ultimate concise introduction to modern cell biology, now updated Taking an “essentials only” approach, Cell Biology: A Short Course, Third Edition tells the story of cells as the unit of life in a uniquely accessible, student-friendly manner. Completely updated from the previous edition and now in full color, this accessible text features new chapters, a supporting website for students, and online supplemental material including PowerPoint slides for instructors. As in earlier editions, the authors combine their expertise in the areas of cell biology, physiology, biochemistry, and molecular biology to skillfully present key concepts, illustrating them with clear diagrams and numerous examples from current research. Special sections focus on the importance of cell biology in medicine and industry today, with extensive cross-referencing to real-world research and development. In updating this text, the authors have provided such new material as: A chapter on the cell biology of the immune system Discussion of stem cells, cytokine receptors, the cell biology of cancer, and cell division “Medical Relevance” text boxes A family tree of organisms to reinforce cell biology differences among major taxa Online supplemental information for students, including interactive quizzes and animations Also included are a detailed description of intercellular signaling and a chapter devoted to a case study of cystic fibrosis. Review questions are included at the end of each chapter, as well as a full glossary of key words and phrases to help make even the most complex concepts easy to master. Ideally suited for

undergraduate cell biology/biology majors, pre-med students, and graduate and medical school courses in cell biology, this Third Edition of Cell Biology is the most integrated introduction available on this fascinating and timely subject Visit the companion website www.wileyshortcourse.com/cellbiology for supplementary material, including animations, video, and useful links and references

Essentials of Clinical Immunology Helen Chapel 2013-12-17 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 mobile App from MedHand Mobile Libraries. Buy it now from iTunes, Google Play or the MedHand Store.

The Neuroscience of Clinical Psychiatry Edmund Higgins 2018-02-16 Bridge the gap between neuroscience and mental illness/mental health with this straightforward and reader-friendly resource! The Neuroscience of Clinical Psychiatry, 3rd Edition is a highly readable, in-depth text ideal for residents studying for boards, practicing psychiatrists, and any mental health professional seeking an overview of the neuroscience revolution. Focusing on the basic neuroscientific concepts underlying normal behavior and commonly encountered disorders, Dr. Edmund S. Higgins and Dr. Mark S. George make complex information enjoyable, relevant, and easy to understand, ensuring that this Third Edition continues to be a trusted source of information on the neurologic underpinnings of psychiatric disorders.