Case Studies in ImmunologyCase Studies in Immunology: Hereditary Angioneurotic EdemaCase Studies in Infectious Disease: Streptococcus PneumoniaeCase Studies in Infectious Disease: Epstein-Barr VirusAdvanced Concepts in Human Immunology: Prospects for Disease ControlCase Studies in Allergic DisordersCase Studies in Infectious Disease: Varicella-zoster VirusVirus and Viral DiseasesBiomaterialsCase Studies in Infectious Disease: Human Immunodeficiency VirusCase Studies in Infectious Disease: Influenza VirusManual of Pediatric TherapeuticsJaneway's Immunobiology, International Student Edition Production of Plasma Proteins for Therapeutic UseCase Studies in Infectious DiseaseCase Studies in Infectious Disease: Mycobacterium TuberculosisJaneway's ImmunobiologyNijkamp and Parnham's Principles of ImmunopharmacologyEssentials of Microbiology for Nurses, 1st EditionCase Studies in Infectious Disease: Plasmodium SppCase Studies in Infectious Disease: Neisseria GonorrhoeaCase Studies in Infectious Disease: Staphylococcus AureusThe Washington Manual of Allergy, Asthma, and ImmunologySubspecialty ConsultIntegrative Computational Systems Biology Approaches in Immunology and MedicineCase Studies in Infectious Disease: Neisseria MeningitidisCase Studies in Infectious Disease: Clostridium DifficileMolecular PathologyCase Studies in Infectious Disease: Herpes Simplex Virus 2Case Studies in ImmunologyFrontiers in Stem Cell and Regenerative MedicineResearch Principles of Tissue EngineeringCase Studies in Infectious Disease: Coxsackie B VirusAnatomy: Ocular physiologyBiochemistry and genetics: PathologyMicrobiology: ImmunologyGrowth and senescenceOptics: TherapeuticsLasers and instrument technology: Basic biostatistical and epidemiological termsCase Studies in Infectious Disease: Herpes Simplex Virus 1MedMaps for PathophysiologyJaneway's ImmunobiologyManual of Allergy and Clinical Immunology for OtolaryngologistsMolecularbiologie der ZelleEmerging EpidemicsCase Studies in Infectious Disease: Streptococcus PyogenesCase Studies in Infectious Disease: Epstein-Barr virus presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references.The revised edition of this renowned and bestselling title is the most comprehensive single text on all aspects of biomaterials science. It provides a balanced, insightful approach to both the learning of the science and technology of biomaterials and acts as the key reference for practitioners who are involved in the applications of materials in medicine. Over 29,000 copies sold, this is the most comprehensive coverage of principles and applications of all classes of biomaterials: "the only such text that currently covers this area comprehensively" - Materials Today Edited by four of the best-known figures in the biomaterials field today; fully endorsed and supported by the Society for Biomaterials Fully revised and expanded, key new topics include of tissue engineering, drug delivery systems, and new clinical applications, with new teaching and learning material throughout, case studies and a downloadable image bankStem cell and regenerative medicine is a hot area of research which promises to change the face of medicine as it will be practiced in the years to come. Challenges in the 21st century to combat diseases such as cancer, Alzheimer and related diseases may well be addressed employing stem cell therapies and tissue regeneration. Frontiers in Stem Cell and Regenerative Medicine Research is essential reading for researchers seeking updates in stem cell therapeutics and regenerative medicine. The seventh volume of this series features reviews on roles of mesenchymal stem cells and biomaterials in cartilage regeneration in vivo, liver regeneration, cardiogenesis and magnetic nanoparticles for regenerative therapy. Case Studies in Infectious Disease: Mycobacterium tuberculosis presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references. Case Studies in Infectious Disease: Influenza virus presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references. Case Studies in Infectious Disease: Herpes simplex virus 1 presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references. Molecular Pathology: The Molecular Basis of Human Disease provides a current and comprehensive view of the molecular basis and mechanisms of human disease. Combining accepted principles with broader theoretical concepts and with contributions from a group of experts, the book looks into disease processes in the context of traditional pathology and their implications for translational molecular medicine. It also discusses concepts in molecular biology and genetics, recent scientific and technological advances in modern pathology, the concept of "molecular pathogenesis" of disease, and how disease evolves from normal cells and tissues due to perturbations in molecular pathways. The book describes the integration of molecular and cellular pathogenesis using a bioinformatics approach and a systems biology approach to disease pathogenesis. It also discusses current and future strategies in molecular diagnosis of human disease, and the impact of molecular diagnosis on treatment decisions and the practice of personalized medicine. This book is a valuable resource for students, biomedical researchers, practicing physician-scientists who undertake disease-related basic science and translational research, and pathology residents and other postdoctoral fellows. Exam Master® web site will host "Self-assessment" questions that students can use to study for the molecular section of the board exam. Teaches from the perspective of "integrative systems biology, which encompasses the intersection of all molecular aspects of biology, as applied to understanding human disease Outlines
the principles and practice of molecular pathology Explains the practice of “molecular medicine and the translational aspects of molecular pathologyNow in its fourth edition, Principles of Tissue Engineering has been the definite resource in the field of tissue engineering for more than a decade. The fourth edition provides an update on this rapidly progressing field, combining the prerequisites for a general understanding of tissue growth and development, the tools and theoretical information needed to design tissues and organs, as well as a presentation by the world’s experts of what is currently known about each specific organ system. As in previous editions, this book creates a comprehensive work that strikes a balance among the diversity of subjects that are related to tissue engineering, including biology, chemistry, material science, and engineering, among others, while also emphasizing those research areas that are likely to be of clinical value in the future. This edition includes greatly expanded focus on stem cells, including induced pluripotent stem (iPS) cells, stem cell niches, and blood components from stem cells. This research has already produced applications in disease modeling, toxicity testing, drug development, and clinical therapies. This up-to-date coverage of stem cell biology and other emerging technologies—such as brain-machine interfaces for controlling bionics and neuropaethes— is complemented by a series of new and updated chapters on recent clinical experience in applying tissue engineering, as well as a new section on the application of tissue-engineering techniques for food production. The result is a comprehensive textbook that will be useful to students and experts alike. Includes new chapters on biomaterial-protein interactions, nanocomposite and three-dimensional scaffolds, skin substitutes, spinal cord, vision enhancement, and heart valves Offers expanded coverage of adult and embryonic stem cells of the cardiovascular, hematopoietic, musculoskeletal, nervous, and other organ systems Full-color presentation throughoutWhen you need a quick consult, turn to The Washington ManualTM Subspecialty Consult Series Prepared by specialty residents, fellows and staff in the Department of Medicine at Washington University School of Medicine, and reviewed by attending physicians in each field—each volume in this renowned series delivers the on-the-spot help you need to provide quality patient management. Right from the initial chapter, you’ll learn how to take a patient history, how to interpret exam findings, what tests to order, how to complete the workup, and how to formulate an effective management plan. The Second Edition of this dynamic quick reference continues to provide the practical, stepwise guidance you’ve come to trust from The Washington ManualTM and has been fully updated to include the most current diagnostic tests, workup tips, drugs and other therapeutic interventions available. · Coverage of inpatient and outpatient approaches features the same front-line practicality as The Washington ManualTM of Medical Therapeutics · Symptom- and disease-oriented sections address both chronic and acute problems to prepare you for any scenario · Essential clinical information on commonly encountered problems including diagnosis and management of drug allergy, anaphylaxis, asthma, immunotherapy, and immunodeficiency at your fingertips · Useful appendixes provide a hands-on review of drugs commonly used in the treatment of allergy and asthma, as well as lab values for selected immunologic tests and a sample schedule for perennial aqueous therapy · Key points to remember in each chapter deliver vital diagnostic and treatment information NEW to the Second Edition · Updated content reflects the latest clinical advances and practice standards · New formatting follows consistent subheadings to make key facts easier to find · New chapters detail the latest diagnostic criteria, testing, and treatment options Don’t miss the other titles in this series Cardiology Endocrinology General Internal Medicine Hematology and Oncology Infectious Diseases Nephrology Pulmonary Medicine Rheumatology The Washington ManualTM is a registered mark belonging to Washington University in St. Louis to which international legal protection applies. The mark is used in this publication by LWW under license from Washington University.A comprehensive compilation on plasma protein production from the leading experts in the field, Production of Plasma Proteins for Therapeutic Use presents manufacturing, testing methods, and regulatory issues for plasma-derived therapeutics, a global US$10 billion industry. Culling material that until now have only been available in scattered forms across journals and books, the text features twenty-three detailed protein-by-protein chapters written by the major manufacturers of plasma protein products, addressing all aspects of these proteins, including biology, clinical use, manufacturing processes, and possible future improvements. Principles of Immunopharmacology provides a unique source of essential knowledge on the immune response, its diagnosis and its modification by drugs and chemicals. The 4th edition of this internationally recognized textbook has been revised to include recent developments, but continues the established format, dealing with four related fields in a single volume, thus obviating the need to refer to several different textbooks. The first section of the book, providing a basic introduction to immunology and its relevance for human disease, has been updated to accommodate new immunological concepts, particularly the role of epigenetics and the latest understanding of cancer immunology. The second section on immunodiagnostics offers a topical description of widely used molecular techniques and a new chapter on imaging techniques. This is followed by a systematic coverage of drugs affecting the immune system, including natural products. This third section contains 15 updated chapters, covering classical immunopharmacological topics such as anti-asthmatic, anti-rheumatic and immunosuppressive drugs, but also deals with antibiotics, plant-derived and dietary agents, with new chapters on monoclonal antibodies, immunotherapy in sepsis and infection, drugs for soft-tissue autoimmunity and cell therapy. The book concludes with a chapter on immunotoxicology and drug safety tests. Aids to the reader include a two-column format, glossaries of technical terms and appendix reference tables. The emphasis on illustrations is maintained from the first three editions. The book is a valuable single reference for undergraduate and graduate medical and biomedical students, postgraduate chemistry and pharmacy students, researchers in chemistry, biochemistry and the pharmaceutical industry and researchers lacking basic immunological knowledge, who want to understand the actions of drugs on the immune system. Manual of Allergy and Clinical Immunology for Otolaryngologists presents the most up-to-date knowledge related to allergy and immunology directed towards the unique needs of otolaryngologists. Many of the clinical conditions treated by otolaryngologists have an allergic or immunologic pathogenesis, including sinusitis, rhinitis and otitis, and otolaryngologists are often required to use allergic methodology in treating these problems. This book is a resource to which physicians can refer to help them manage allergic aspects of common ENT problems and their diagnosis and management. Manual of Allergy and Clinical Immunology for Otolaryngologists
begins with an introduction to the fundamental immunologic processes necessary to understand allergic mechanism and diseases and goes on to include food and drug allergies, anaphylaxis, immune deficiencies, occupational allergic diseases, and tumor immunology, among other topics. Otolaryngologists across all specialties as well as residents will benefit from the current information that focuses on the most important aspects of each topic in a concise, easy to reference format. An indispensable and fully comprehensive textbook, this covers the basic sciences in ophthalmology and is the only book you need to pass the FRCOphth Part 1 exam. Case Studies in Infectious Disease: Streptococcus pyogenes presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references. Case Studies in Infectious Disease: Coxsackie B virus presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references. The book includes a total of 53 cases. The Sixth Edition is extensively revised and updated and includes ten new cases: (u2022) DiGeorge Syndrome (u2022) Hemophagocytic Lymphohistiocytosis (u2022) Chediak-Higashi Syndrome (u2022) Hyper IgE Syndrome (u2022) Ataxia Telangiectasia (u2022) Warts, Hypogammaglobulinemia, Infections, and Myelokathexis (WHIM) Syndrome (u2022) Severe Congenital Neutropenia (u2022) Recurrent Herpes Simplex Encephalitis (u2022) Systemic Onset Juvenile Idiopathic Arthritis (u2022) Crohn's Disease. "MedMaps for Pathophysiology contains 102 concept maps of disease processes and mechanisms. The book is organized by organ system and includes classic diseases such as hypertension, diabetes, and congestive heart failure, as well as complex diseases such as lupus and HIV. Each concept map is arranged to visually capture and clarify the relationships between various aspects of each disease, such as biochemical and genetic causes and responses." -- PUBLISHER'S WEBSITE. Case Studies in Infectious Disease: Clostridium difficile presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references. "Viruses: Biology, Application, and Control is a concise textbook for advanced undergraduate and graduate students covering the essential aspects of virology included in biomedical science courses. It is an updated and expanded version of David Harper's Molecular Virology, Second Edition. Focusing on key mechanisms and developments, Viruses presents Janeway's Immunobiology is a textbook for students studying immunology at the undergraduate, graduate, and medical school levels. As an introductory text, all students will appreciate the book's clear writing and informative illustrations, and advanced students and working immunologists will appreciate its comprehensive scope and depth. Janeway's TThoroughly updated for its Seventh Edition, this practical quick-reference manual presents authoritative patient management guidelines based on the extensive clinical experience at The Children's Hospital in Boston. Coverage includes normal newborn, well-child, and adolescent care, acute care, disorders of each organ system, behavioral disorders, and management of the child with developmental disabilities and specialized health care needs. The text includes numerous easy-to-scan tables and a popular "A to Z" drug formulary. This authoritative textbook summarises the basic immunological concepts, looks at the main aspects of adaptive immunity, then integrates all the preceding material at the level of the complete organism in both health and disease. Janeway's Immunobiology, Seventh Edition is an introductory text for use in immunology courses for undergraduates, graduate students and medical students. It guides the reader through the immune system in all its aspects - from the first engagement of innate immunity to the generation of the adaptive immune response and its clinical consequences. The Seventh Edition has been comprehensively updated throughout, and includes new information on topics such as NK cells, Toll-like receptors, AID, viral evasion, mucosal immunity, and celiac disease, to name a few. Each copy of the book includes a revised CD-ROM, Immunobiology Interactive, which contains animations and videos with voiceover narration, as well as the figures from the text for presentation purposes. Janeway's Immunobiology continues to set the standard for currency and authority with its clear writing style and organization, full-color art program, scientific accuracy and consistent viewpoint - that of the host's interaction with an environment containing many species of potentially harmful microorganisms. Case Studies in Infectious Disease: Neisseria gonorrhoeae presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references. 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. Case Studies in Infectious Disease presents forty case studies featuring the most important human infectious diseases worldwide. Written for students of microbiology and medicine this book describes the natural history of infection from point of entry of the pathogen through pathogenesis, followed by clinical presentation, diagnosis and treatment. Five core sets of questions are posed in each case. What is the nature of the infectious agent, how does it gain access to the body, what cells are infected, and how does the organism spread? What are the host defense mechanisms against the agent and how is the disease caused? What are the typical manifestations of the infection and the complications that can occur? How is the infection diagnosed and what is the differential diagnosis? How is the infection managed, and what preventative measures can be taken to avoid infection? This standardized approach provides the reader with a logical basis for understanding these diverse and medically important
organisms, fully integrating microbiology and immunology throughout. Case Studies in Infectious Disease: Plasmodium spp. presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references. This book highlights information derived primarily from clinical samples, with particular reference to theoretical and scientific aspects of the human immune system. This text will focus on topics that range from host-pathogen interactions in infectious disease to host immune response in cancer, allergic diseases, neuroinflammatory diseases, and autoimmune disorders. The reader will also have a well-rounded understanding of the behavior of the immune system with particular emphasis on the role of immunoproteomics in immunotherapy, neuroprotective immunity for neurodegenerative and neuroinfectious disease, leukemia-associated dendritic cell induction of adaptive immunity dysregulation, and the role of immune checkpoint inhibitors in cancer, infection, as well as neuroinflammation. Taken together, the contents of this book are intended for both clinicians and researchers in academia and industry. Case Studies in Infectious Disease: Staphylococcus aureus presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references. Case Studies in Infectious Disease: Human immunodeficiency virus presents the natural history of this infection from point of entry of the pathogen through pathogenesis, clinical presentation, diagnosis, and treatment. A set of core questions explores the nature, causation, host response, manifestations, and management of this infectious process. This case also includes summary bullet points, questions and answers, and references. Essentials of Microbiology for Nurses, 1st Edition