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LAUREL FARMER

Basic Concepts for Interdisciplinary Applications Elsevier Health Sciences

Inflammation and Immunity in Depression: Basic Science and Clinical Applications is the first book to move beyond the established theory of cytokine-induced depression and explore the broader role the immune system plays in this devastating mood disorder. The book fully explores the most recent lines of research into this rapidly advancing field, including alterations of T-cells, the neurobiological implications of neuroinflammation and immune alterations for brain development and function, and the genetic components of neuroinflammation in depression, including the relationships between stress and inflammation that are revealing gene-environment interactions in the disorder. Combining contributions from researchers worldwide, this book provides the most comprehensive discussion available today on the involvement of the innate immune and adaptive immune systems in depressive disorder. Chapters span neuroscience, psychology, clinical applications and future directions, making this book an invaluable resource for advanced students, researchers and practitioners who need to understand the complex and varied role of inflammation and immune responses in depression. Synthesizes current knowledge of inflammation and immunity in depression, ranging from basic neuroscience research, to clinical applications in psychiatry Expands on the long-established theory of cytokine-induced depression to discuss broader involvement of the immune system Explores translational potential of targeting immune dysfunction for clinical interventions

Inflammation and Immunity in Depression Elsevier Health Sciences

The emphasis of this book is on those aspects of medical genetics most useful in a modern clinical practice. Clinical aspects of molecular genetics research have been incorporated throughout the spectrum of genetically determined diseases.

Epigenetics of the Immune System

The second edition of Avian Immunology provides an up-to-date overview of the current knowledge of avian immunology. From the ontogeny of the avian immune system to practical application in vaccinology, the book encompasses all aspects of innate and adaptive immunity in chickens. In addition, chapters are devoted to the immunology of other commercially important species such as turkeys and ducks, and to ecoimmunology summarizing the knowledge of immune responses in free-living birds often in relation to reproductive success. The book contains a detailed description of the avian innate immune system, encompassing the mucosal, enteric, respiratory and reproductive systems. The diseases and disorders it covers include immunodepressive diseases and immune evasion, autoimmune diseases, and tumors of the immune system. Practical aspects of vaccination are examined as well. Extensive appendices summarize resources for scientists including cell lines, inbred chicken lines, cytokines, chemokines, and monoclonal antibodies. The world-wide importance of poultry protein for the human diet, as well as the threat of avian influenza pandemics like H5N1 and heavy reliance on vaccination to protect commercial flocks makes this book a vital resource. This book provides crucial information not only for poultry health professionals and avian biologists, but also for comparative and veterinary immunologists, graduate students and veterinary students with an interest in avian immunology. With contributions from 33 of the foremost international experts in the field, this book provides the most up-to-date review of avian immunology so far Contains a detailed description of the avian innate immune system reviewing constitutive barriers, chemical and cellular responses; it includes a comprehensive review of avian Toll-like receptors Contains a wide-ranging review of the "ecoimmunology" of free-living avian species, as applied to studies of population dynamics, and reviews methods and resources available for carrying out such research

Clinical Immunology Academic Press

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!

Human and Animal Models Oxford University Press, USA

The book Immunopathogenesis and Immune-Based Therapy for Selected Autoimmune Disorders is a synthesis work that discusses two main aspects of autoimmunity: Immunopathogenesis and therapeutic approaches essentially based on the immunotherapies. This book deals with different topics on a number of autoimmune disorders, including type 1 diabetes, autoimmune cardiomyopathy, autoimmunity of gastrointestinal tract, systemic sclerosis, and myasthenia gravis. This book will be useful to clinicians, biologists, researchers, teachers, and students who are interested in immunology and immunopathology.

The Pathophysiologic Basis of Drug Therapy W B Saunders Company

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

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

Pocket Companion to Robbins & Cotran Pathologic Basis of Disease E-Book Academic Press

The Innate Immune Response to Non-infectious Stressors: Human and Animal Models highlights fundamental mechanisms of stress response and important findings on how the immune system is affected, and in turn affects such a response. In addition, this book covers the crucial link between stress response and energy metabolism, prompts a re-appraisal of some crucial issues, and helps to define research priorities in this fascinating, somehow elusive field of investigation. Provides insights into the fundamental homeostatic processes vis-à-vis stressors to help in investigation Illustrates the depicted tenets and how to offset them against established models of response to physical and psychotic stressors in both animals and humans Covers the crucial issue of the immune response to endocrine disruptors Includes immunological parameters as reporter system of environmental adaptation Provides many illustrative examples to foster reader understanding

Basic Immunology Pageburst on VitalSource Access Code W.B. Saunders Company

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Functions and Disorders of the Immune System 2007-2008-Updated by Abul K. Abbas, ISBN Academic Press

Introductory Immunology quickly acquaints readers with natural immune responses manifesting in diseases and disorders. The book presents a complete picture of natural defenses to infectious agents, as well as the mechanisms that lead to autoimmune dysfunction. In addition, it examines immunologically based diseases, giving the reader sufficient knowledge to make sound clinical decisions leading to better treatment outcomes. Introductory Immunology is aimed at researchers, postgraduates, or any scientifically inclined reader interested in immunology. No prior expertise in medical, biochemical, or cellular science is needed to benefit from the clear presentation of immunology concepts in this book. Quick, concise introduction to immunological concepts Breaks down all of immunology into manageable, logically digestible building blocks Geared toward readers without medical, biochemical, or cellular expertise

Basic Immunology Lippincott Williams & Wilkins

Cellular and Molecular Immunology takes a comprehensive yet straightforward approach to the latest developments in this active and fast-changing field. Drs. Abul K. Abbas, Andrew H. Lichtman, and Shiv Pillai present sweeping updates in this new edition to cover antigen receptors and signal transduction in immune cells, mucosal and skin immunity, cytokines, leukocyte-endothelial interaction, and more. This reference is the up-to-date and readable textbook you need to master the complex subject of immunology. Recognize the clinical relevance of the immunology through discussions of the implications of immunologic science for the management of human disease. Grasp the details of experimental observations that form the basis for the science of immunology at the molecular, cellular, and whole-organism levels and draw the appropriate conclusions. Stay abreast of the latest advances in immunology and molecular biology through extensive updates that cover cytokines, innate immunity, leukocyte-endothelial interactions, signaling, costimulation, and more. Visualize immunologic processes more effectively through a completely revised art program with redrawn figures, a brighter color palette, and more 3-dimensional art. Find information more quickly and easily through a reorganized chapter structure and a more logical flow of material.

Functions and Disorders of the Immune System LWW

Defining the field of immunology for nearly 40 years, Paul's Fundamental Immunology continues to provide detailed, authoritative, up-to-date information that uniquely bridges the gap between basic immunology and the disease process. The fully revised 8th edition maintains the excellence established by Dr. William E. Paul, who passed away in 2015 and is now under new editorial leadership of Drs. Martin F. Flajnik, Nevil J. Singh, and Steven M. Holland. It's an ideal reference and gold standard text for graduate students, post-doctoral fellows, basic and clinical immunologists, microbiologists and infectious disease physicians, and any physician treating diseases in which immunologic mechanisms play a role. , Reflects the latest advances in the field, including current insights on immune system function, both basic and translational. Contains 51 chapters written by leaders in all subfields of immunology. Provides extensive coverage of molecular biology that explains the dynamics underlying immune disorders and their treatment Includes 11 all-new chapters covering invertebrate and plant immunity, eosinophils, innate lymphoid cells, gamma/delta T cells, NKT and MAIT cells, immunometabolism, systems immunology, maternal-fetal immunology and more. Contains abundant full-color illustrations and tables that provide essential information at a glance. Features annual updates from the authors to the VST version, keeping you current with changes in this dynamic field. , Enrich Your eBook Reading Experience Read directly on your preferred device(s), such as computer, tablet, or smartphone. Easily convert to audiobook, powering your content with natural language text-to-speech. ,

Principles and Practice Elsevier Health Sciences

Principles of Pharmacology: The Pathophysiologic Basis of Drug Therapy, Third Edition, is a primary textbook for a first course in pharmacology. It offers an integrated mechanism-based and systems-based approach, incorporating the cell biology, biochemistry, physiology, and pathophysiology of organ systems. The completely updated Third Edition features content reflecting current research findings, more than 400 full-color illustrations, Drug Summary Tables, and increased coverage of drug metabolism and the treatment of mycobacterial infections.

Immunology E-Book W B Saunders Company

William Clark invites readers on a tour of the immune system, introducing some of the most important medical advances and challenges of the past 100 years, from the development of vaccines and the treatment of allergies, automimmunity and cancer, to prolonging organ transplants and combating AIDS.

The Role of Cytokines in Disease Related to Immune Response Elsevier Health Sciences
Offers answers to challenges in clinical immunology. This book contains immunology knowledge and includes a companion web site to give you two ways to find the answers you need.

Immunopathogenesis and Immune-based Therapy for Selected Autoimmune Disorders
Garland Science

The Cytokines of the Immune System catalogs cytokines and links them to physiology and pathology, providing a welcome and hugely timely tool for scientists in all related fields. In cataloguing cytokines, it lists their potential for therapeutic use, links them to disease treatments needing further research and development, and shows their utility for learning about the immune system. This book offers a new approach in the study of cytokines by combining detailed guidebook-style cytokine description, disease linking, and presentation of immunologic roles. Supplies new ideas for basic and clinical research Provides cytokine descriptions in a guidebook-style, cataloging the origins, structures, functions, receptors, disease-linkage, and therapeutic potentials Offers a textbook-style view on the immune system with the immunologic role of each cytokine
Outlines and Highlights for Basic Immunology Basic Immunology Functions and Disorders of the Immune System

Never HIGHLIGHT a Book Again Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanies: 9780872893795. This item is printed on demand.

The Cytokines of the Immune System Elsevier Health Sciences

Netter's Advanced Head & Neck Anatomy Flash Cards are the perfect portable study tool for quizzing yourself on key anatomic structures and clinical conditions of the head and neck. They accentuate the clinically relevant anatomy through beautiful Netter illustrations and new artwork in the Netter tradition, making for a fast and fun review at any stage of your healthcare career. Cards are cross-referenced to the parent text, Netter's Head and Neck Anatomy for Dentistry, 3rd Edition, and include much of the new art from the textbook. Beautiful, well-known Netter illustrations accentuate the clinically relevant anatomy. Includes additional Imaging, New Art, and Clinical Correlate cards. Perfect for quick, portable study for head and neck and dental anatomy courses. Allow you to quiz yourself on key anatomy terms and test your knowledge of classic presentations of disease.

The Functions and Disorders of the Immune System Cram101

The newest addition to the highly regarded Robbins family of pathology references, Robbins Essential Pathology is a concise resource that covers the core knowledge needed for coursework and exams in an integrated, multimedia format designed for today's students. Ideal for use with an integrated medical curriculum, this easy-to-study multimedia package provides reliable Robbins content in a concentrated, highly efficient format, now fully integrated with interactive digital resources (cases, MCQs, images). Efficient, effective, and up to date, this new Robbins learning resource delivers the essential information you need to obtain a strong scientific foundation in pathology. The most concise Robbins text available, providing high-quality content and a case-based approach in a focused, multimedia learning package for coursework and exam preparation. Focuses on the core knowledge of disease mechanisms and essential clinical aspects that medical students need to know. Features more than 500 images and tables that illustrate key disorders and concepts.

The Innate Immune Response to Noninfectious Stressors Academic Press

Basic Immunology Functions and Disorders of the Immune System Elsevier Health Sciences

Basic Immunology: Functions and Disorders of the Immune System With STUDENT

CONSULT Online Access, 4/e Lippincott Williams & Wilkins

Immunological Concepts in Transfusion Medicine provides a thorough discussion of the immune aspects of blood component transfusion, with in-depth information on the intricacies of immune responses to blood components and the immune processes that may be initiated in response to blood exposure. Written to increase knowledge and awareness of immune challenges such as alloimmunization and transfusion-related acute lung injury, this title bridges current basic scientific discoveries and the potential effects seen in blood recipients. Complies the knowledge and expertise of Dr. Robert Maitta, an expert in immune responses and antibody function/structure studies. Helps clinicians in the daily practice of caring for patients in need of transfusion support, as well as physicians in training when considering utilizing blood transfusions in a limited scope or in the setting of massive transfusion. Includes an immunology primer as an introduction to in-depth chapters covering allergic immune reactions to blood components, transfusion-related immunomodulation, fetal and neonatal alloimmune thrombocytopenia and neonatal neutropenia, complications of haploidentical and mismatched HSC transplantation, chimeric antibody receptor therapies, and much more. Consolidates today's available information on this timely topic into a single, convenient resource.