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The Handbook of Transplant Immunology
Advances in Comparative Immunology

DOYLE YOSEF

Cancer Immunotherapy Principles and Practice Springer Science & Business Media

Immunologists, perhaps understandably, most often concentrate on the human immune system, an anthropocentric focus that has resulted in a dearth of information about the immune function of all other species within the animal kingdom. However, knowledge of animal immune function could help not only to better understand human immunology, but perhaps more importantly, it could help to treat and avoid the blights that affect animals, which consequently affect humans. Take for example the mass death of honeybees in recent years – their demise, resulting in much less pollination, poses a serious threat to numerous crops, and thus the food supply. There is a similar disappearance of frogs internationally, signaling ecological problems, among them fungal infections. This book aims to fill this void by describing and discussing what is known about non-human immunology. It covers various major animal phyla, its chapters organized in a progression from the simplest unicellular organisms to the most complex vertebrates, mammals. Chapters are written by experts, covering the latest findings and new research being conducted about each phylum. Edwin L. Cooper is a Distinguished Professor in the Laboratory of Comparative Immunology, Department of Neurobiology at UCLA's David Geffen School of Medicine.

Immunoinformatics Princeton University Press

This volume provides methods and techniques to further the study of cancer immunoprevention. Chapters describe tumor-associated antigens, cancer immune-preventive vaccines, generation of TILs, development of monoclonal antibodies, immunoprofiling technologies, tissue multispectral imaging techniques, mass cytometry on suspensions, multiparametric flow cytometry, genomic expression analysis, and proteomic profiling of tumor microenvironment cell populations and metabolic assessment through novel imaging technologies. Written in the format of the highly successful *Methods in Molecular Biology* series, each chapter includes an introduction to the topic, lists necessary materials and reagents, includes tips on troubleshooting and known pitfalls, and step-by-step, readily reproducible protocols. Authoritative and cutting-edge, *Cancer Immunoprevention: Methods and Protocol* aims to further understanding, development of interventional active strategies, and immune-interception of cancer.

Immunology of Infectious Diseases Springer Science & Business Media

Liver Immunology: Principles and Practice, Second Edition begins with important information about the epidemiology and mortality of liver disease worldwide. This information is followed by chapters related to basic immunology, application of liver immunology for diagnosis, and several excellent chapters that provide a solid foundation for understanding immune-mediated liver disease, including those associated with the biliary tree. A chapter on non-hepatic manifestations of immune mediated liver disease helps provide context for how these diseases affect the patient overall. In addition, chapters discuss various discrete immunologically-mediated infectious liver disorders including those related to bacteria, parasites, and all of the classic viruses. Chapters on the traditional

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

T Cell Protocols CRC Press

Completely updated and revised, *Clinical Tuberculosis* continues to provide the TB practitioner—whether in public health, laboratory science or clinical practice—with a synoptic and definitive account of the latest methods of diagnosis, treatment and control of this challenging and debilitating disease. New in the Fifth Edition: Gamma interferon-based

Intraocular Inflammation Springer Science & Business Media

This well-structured and lavishly illustrated book is a comprehensive reference on intraocular inflammation that encompasses all anatomic forms, settings and etiologies. Individual sections are devoted to uveitis associated with systemic disorders, uveitis syndromes restricted to the eye, bacterial uveitis, viral uveitis, fungal uveitis, parasitic uveitis, uveitis caused by other microbes, traumatic uveitis, and masquerade syndromes. Chapters on the different forms of uveitis are in a homogeneous reader-friendly format, with identification of core messages, explanation of etiology and pathogenesis, up-to-date information on diagnostics and differential diagnosis and guidance on the most appropriate forms of treatment and prognosis. Helpful flow charts are included to assist in identification of potential underlying disorders and the reader will also have online access to one hundred informative case reports demonstrating the different courses of intraocular inflammation. The authors are world experts keen to share their vast experience with the reader. *Intraocular Inflammation* will be a valuable resource for all physicians who deal with patients with inflammatory eye disease.

Thomas' Hematopoietic Cell Transplantation Nova Publishers

Summarises and reviews the important field of genetic therapy with respect to the latest immunological advances in the lab and clinic. Unique treatment of immunology and immunotherapy in gene - approached from a vector and target organ point of view rather than from the perspective of a specific disease. Broad appeal - applicable for immunology and genetics / gene therapy, recombinant DNA studies, transplantation, virology, cancer research and tumor research. Mechanisms of Lymphocyte Activation and Immune Regulation XI CRC Press

With an abundance of illustrations, diagrams, and algorithms, this sixth edition of *Medical Immunology* provides a reader-friendly review of critical material on the current diagnostic and

clinical applications of immunology. Organized into four sections that describe clinical applications, methodological advances, immunological diseases, and innova

Military Strategies for Sustainment of Nutrition and Immune Function in the Field CRC Press

Fully revised for the fifth edition, this outstanding reference on bone marrow transplantation is an essential, field-leading resource. Extensive coverage of the field, from the scientific basis for stem-cell transplantation to the future direction of research Combines the knowledge and expertise of over 170 international specialists across 106 chapters Includes new chapters addressing basic science experiments in stem-cell biology, immunology, and tolerance Contains expanded content on the benefits and challenges of transplantation, and analysis of the impact of new therapies to help clinical decision-making Includes a fully searchable Wiley Digital Edition with downloadable figures, linked references, and more References for this new edition are online only, accessible via the Wiley Digital Edition code printed inside the front cover or at www.wiley.com/go/forman/hematopoietic.

Clinical Xenotransplantation Springer

Part 1: Intratumoral Signatures Associated With Immune Responsiveness

Liver Immunology W B Saunders Company

Sensitive skin is a widely reported condition where there is subjective cutaneous hyper-reactivity to environmental factors. Progress has been made in many aspects of the background science that will help clinicians in their management of patients presenting with the condition. This new text sums up the advances in thinking on pathophysiology, classification, methods of investigation, and the different susceptibilities of different types of skin.

Cancer Immunoprevention Wiley-Blackwell

This title provides an illuminating examination of the current state of xenotransplantation – grafting or transplanting organs or tissues between members of different species – and how it might move forward into the clinic. To be sure, this is a critical topic, as a major problem that remains worldwide is an inadequate supply of organs from deceased human donors, severely limiting the number of organ transplants that can be performed each year. Based on presentations given at a major conference on xenotransplantation, this title includes important views from many leading experts who were invited to present their data and opinions on how xenotransplantation can advance into the clinic. Attention was concentrated on pig kidney and heart transplantation as it is in regard to these organs that most progress has been made. Collectively, these chapters effectively highlight the many advantages of xenotransplantation to patients with end-stage organ failure, thereby encouraging the mapping of a concrete pathway to clinical xenotransplantation. The book is organized across 22 chapters, beginning with background information on clinical and experimental xenotransplantation. Following this are discussions addressing how pigs can be genetically engineered for their organs to be resistant to the human immune response through deletion of pig xenoantigens, and the insertion of ‘protective’ human transgenes. Subsequent chapters analyze complications that arise in practice, comparing allotransplant and xenotransplant rejection. The selection of the ideal patients for the first clinical trials is discussed. Finally, the book concludes with an analysis on the regulatory, economic, and social aspects of this research, including FDA perspectives and the sensitive, psychosocial factors regarding allotransplantation and xenotransplantation. A major and timely addition to the literature, *Clinical Xenotransplantation* will

be of great interest to all researchers, physicians, and academics from other disciplines with an interest in xenotransplantation.

Immunology CRC Press

Publisher Description

A Guide to Human Gene Therapy SAGE

Topics include: Introduction- Immunopathophysiology and Classification of Ocular Allergy", "OcularMast CDermatologicdisorders of the Eyelidsells and Mediators", "SeasonalAllergic Conjunctivitis&Perennial Allergic Conjunctivitis", "VernalKeratoconjunctivitis", "GiantPapillary Conjunctivitis", "Dermatologicdisorders of the Eyelids", "ContactDermatitis of the Eyelids", "AutoimmuneDisorders of the Anterior Surface", "PediatricConcerns of Ocular Inflammation", "ContactLens", "OcularAllergy Treatment", "Adverse(Allergic) Effects of GlaucomaMedications"

Immunology and Evolution of Infectious Disease Springer Nature

The purpose of *T Cell Protocols: Development and Activation* is to c- lect a series of protocols, particularly those that have been developed within the past few years, to help investigators master new techniques (or improve existing ones) for the study of T-cell Biology. Invariably, in putting together a book like this it is difficult to decide which methods to include and which to leave out. To this end methods were selected from a variety of disciplines, including cellular immunology, b- chemistry, and molecular biology, to try to provide something of interest for everyone who works on T-cell development and activation. I would like to mention that my primary reason for agreeing to put this book together is that, when I was a graduate student, I purchased a copy of *Selected Methods in Cellular Immunology* by Mishell and Shigii which proved a tremendous help in learning the basics of one-and two- dimensional gel te- niques (and other methods). The cover has long since fallen off, but it still remains one of my most valued reference books for the laboratory. It is my hope that *T Cell Protocols: Development and Activation* will prove similarly useful to current and future scientists wishing to learn new methods for expl- ing the development and activation of T cells.

Cellular and Molecular Immunology National Academies Press

*Current Protocols in Immunology*Current Protocols

Garland Science

Immunogenicity of Biopharmaceuticals is the first book to comprehensively address the potential of an immune response to biopharmaceuticals. It is intended to give a broad overview of the current state-of-the-art regarding this subject. The chapters range from an overview of the immune system and factors that may trigger the immune system, via detection of antibodies and clinical implications, to various case examples and the regulatory view on immunogenicity.

Experiments in International Benchmarking of US Research Fields Springer

Surveys the biotechnologically influenced advances in the understanding of systemic autoimmune disorders, highlighting recent research using cell biology and biochemistry, the cloning of immune cells, recombinant DNA, and molecular genetics. Among the topics are the role of complement in inflammatio

Tumor Immunology National Academies Press

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.

Systemic Autoimmunity CRC Press

Ideally every patient with eczema should be patch tested and the importance of this investigation is now universally accepted. The simplicity of the technique belies its many pitfalls, the greatest being to lack the knowledge required to select the correct allergens and to interpret the results. The introduction, nearly 20 years ago, of the journal *Contact Dermatitis* greatly stimulated the reporting of the clinical side of contact dermatitis but a vast amount of laboratory work has also been published in other journals on the mechanisms and theory of these reactions. The literature on the subject is now quite vast and a comprehensive book on the clinical and research aspects of contact dermatitis has been sorely needed. This textbook was carefully planned to gather together what is known of the subject into a cohesive whole and it has succeeded admirably. It consists of 22 chapters written by 41 contributors, each selected for their special study of particular subjects.

Every feature of contact dermatitis has been covered, beginning with its history and even concluding with the names and addresses of those worldwide who have a specific interest in the subject. The text is illustrated and well laid out; it has been broken up into clearly demarcated sections making it easy to read and its information readily accessible. One's own writing concentrates the mind but editing the texts of authors from so many different countries was a task of considerable proportions.

Clinical Tuberculosis Current Protocols

This easy yet comprehensive reference guide covers the mechanisms of respiratory diseases, explaining the main respiratory conditions for clinicians and postgraduate trainees. It discusses their aetiology as well as the basic concepts required to effectively evaluate and treat them. *Applied Respiratory Pathophysiology* is the first book to bring together detailed, clinically-relevant explanation of respiratory physiological processes and pathophysiological processes in one text. It is essential reading for anyone diagnosing and treating specific clinical conditions of the lungs.

Best Sellers - Books :

- [Twisted Hate \(twisted, 3\)](#)
- [Dog Man: Twenty Thousand Fleas Under The Sea: A Graphic Novel \(dog Man #11\): From The Creator Of Captain Underpants By Dav Pilkey](#)
- [Atomic Habits: An Easy & Proven Way To Build Good Habits & Break Bad Ones By James Clear](#)
- [If He Had Been With Me By Laura Nowlin](#)
- [It's Not Summer Without You By Jenny Han](#)
- [Jackie: Public, Private, Secret By J. Randy Taraborrelli](#)
- [Outlive: The Science And Art Of Longevity](#)
- [Happy Place](#)
- [The Nightingale: A Novel By Kristin Hannah](#)
- [A Court Of Thorns And Roses Paperback Box Set \(5 Books\)](#)