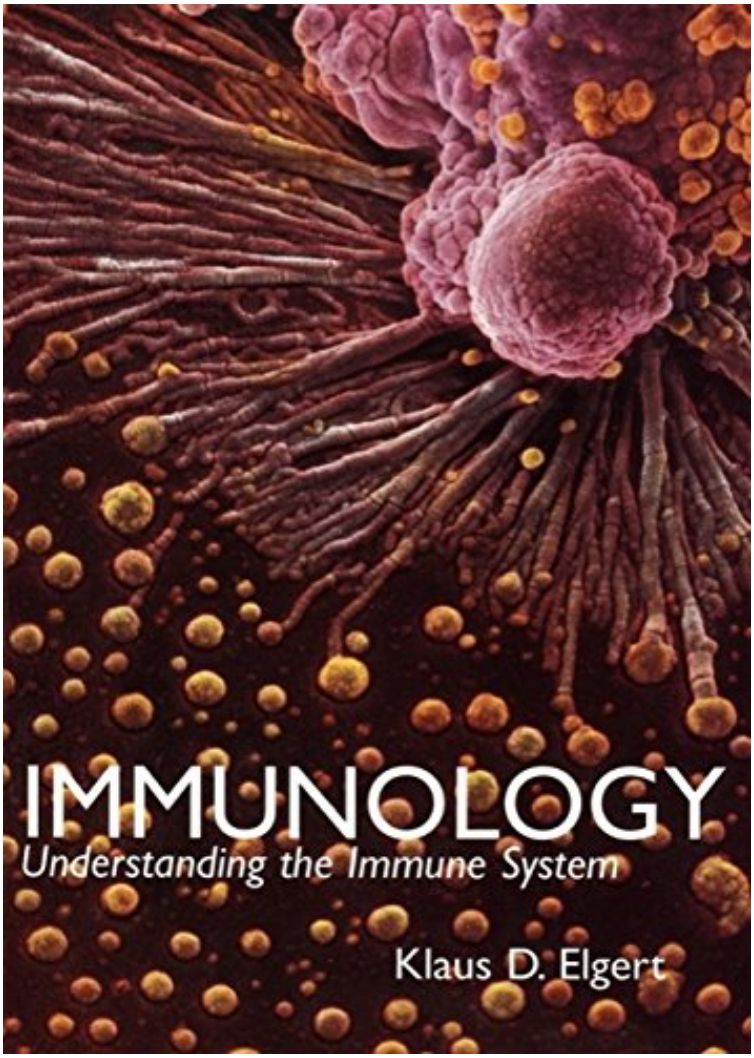
Immunology: Understanding The Immune System

Klaus D. Elgert
*audiobook | *ebooks | Download PDF | ePub | DOC*



#6416783 in Books 1996-04-12Original language:EnglishPDF # 1 11.08 x 1.20 x 8.64l, .0 #File Name: 0471116807480 pages | File size: 63.Mb

Klaus D. Elgert : Immunology: Understanding The Immune System before purchasing it in order to gage whether or not it would be worth my time, and all praised Immunology: Understanding The Immune System:

1 of 2 people found the following review helpful. BUYER BEWARE!!By CustomerI purchased this book a few months ago for the course I am taking. The book is well written and provides a wealth of information.HOWEVER, BEWARE!! This book does NOT come with ANY type of internet or computer support of ANY kind!!! There is no CD with the book, no supporting website, etc. So if you have even the simplest of questions that you would rather not bother your professor with (or have at 2 am when you seem to be alone), there is nothing to help you with this.Like I said, the book is wonderful but the Author and/or publishing company needs to get with the 21st Century as well as with "Today's Student".0 of 0 people found the following review helpful. An Unusual Supplement that could Double

the Value of this Fine Text...By Let's Compare Options PreptorialWhen we survey libraries, including med school, university and private research labs, Elgert, though dated, is cited consistently in the top 10 in Immunology.Yet, when we poll professors, med students and practicing teachers (both practicing immunology and teaching), for over a decade, a little 141 page, 8.5 x 11" monograph comes out in the top three! The book is Dr. Sompayrac's: How the Immune System Works, Includes Desktop Edition.I'm adding this supplement to the reviews on this text to help any student struggling with macro concepts, and any professor who wants their class to really GET immunology. Here is my review from that book's page in case you want to consider this (I have nothing to do with the authors or publishers of this text, this is only for YOUR benefit, our readers and shoppers):A few reviews have said that this little 141 page text is "dated." Two persepectives:1. The material covered is timeless. Our understanding of T and B cells will evolve over time, but the basic function, and the ideas of receptor sites, etc. are so fundamental that a few decades here or there cannot possibly subtract from the immense value of this text.2. Current thinking ("2020") is that we're entering an era of completely recasting the immune system, with as revolutionary a paradigm shift as recombinant DNA itself. One aspect of this is thinking of this system as multiple systems (6 or more in some literature). Another is the role of microRNA (small ds- double stranded RNA) and the epigenomic phenomena of RNA-interference.These phenomena don't subtract from antibody or cell mediated immunity as models, they ADD to them. For complete coverage of the new models, without spending a fortune on a whole text, see any book or recent article by Dr. Bagasra, including: Immunology and the Quest for an HIV Vaccine: A New Perspective.That out of the way, when our ClassPros and Library Picks surveys poll med students, THIS little text has come up in the top 5 for over a decade! How is it possible, with texts of 1,000 pages, that an 8.5 x 11" 141 page, colorful "High School" looking monograph consistently takes these honors?The answer is the astonishing flow of the metaphors coupled with "aha" pictures and illustrations on every page. Each page, though PACKED with information, is told like a story, and the pictures, both descriptive and visual, "stick" in your mind in a way that allows a synthesis that no other text has ever achieved, in my opinion (I'm a molecular biologist) in ANY field I've reviewed! Lauren makes the field "seem" understandable with only the most basic understanding of bio, and every reader here knows that simply isn't true--immunology is one of the most complex, rapidly changing fields in all of bio.You can literally get more insight into the CURRENT view of the immune system from an integrative point of view with intuitive understanding with two days immersed in this book than a semester with Janeway (888 pages), Parham (600 pages) or Male (480 pages). I'm not knocking those fine texts, and you certainly need their detail, but without Sompayrac, you will sincerely miss the "whole picture" that relates SO many topics. As an intro, a reference (now comes with fully searchable pdf), a supplement, or even just an enjoyable popular science review that will make you a LOT smarter than those who took Janeway but missed this (;=)), I cannot recommend this enough, and intend to make sure the adjunctive option is on all those text pages for the benefit of all of us struggling with this wonderful but challenging field.Library Picks reviews only for the benefit of shoppers and has nothing to do with , the authors, manufacturers or publishers of the items we review. We always buy the items we review for the sake of objectivity, and although we search for gems, are not shy about trashing an item if it's a waste of time or money for shoppers. If the reviewer identifies herself, her job or her field, it is only as a point of reference to help you gauge the background and any biases.5 of 6 people found the following review helpful. Klaus must update or perishBy Prian BoeJust a quick note: Dr. Elgert's text is 10 years old.. 10! That's before the human genome came out, and what's more, the book is hopelessly outdated on a number of points. First of all, a lot of good science has been put out in the 10 years since its publication. Second, his illustrations look like their were made in MSPaint (and they very well may have been). Moreover, he reprinted his old edition at some point, but in black and white, and on rough, heavier paper. Buyer beware - the cover is identical.LUCKILY.. if you don't go to Virginia Tech, I'm sure you're not in danger of exposure to this opaque anachronism of a textbook...

A comprehensive and extremely accessible textbook written by a professor with over 20 years of experience teaching immunology courses. Elgert carefully melds together biology, clinical science, genetics and molecular biology of the immune system to provide a coherent and complete account of our knowledge of immunology. A variety of pedagogical aids, including chapter outlines, objectives and summaries as well as a self-evaluation section, assist students in the learning process.

From the PublisherA comprehensive and extremely accessible textbook written by a professor with over 20 years of experience teaching immunology courses. Elgert carefully melds together biology, clinical science, genetics and molecular biology of the immune system to provide a coherent and complete account of our knowledge of immunology. A variety of pedagogical aids, including chapter outlines, objectives and summaries as well as a self-evaluation section, assist students in the learning process.From the Back CoverImmunology: Understanding the Immune System, Second Edition has been thoughtfully and meticulously updated to incorporate the many developments that have occurred in the field since publication of the previous edition. In addition to the consolidation, reconstruction, and revision of key material, features completely new to this edition include: three new chapters on innate immunity, immunodeficiencies, and immunity to microbes; more than fifty new figures; coverage of the latest

knowledge on signaling pathways, lymphocyte trafficking, mucosal immunity, molecular mechanisms of receptor diversity, the T-lymphocyte immunological synapse, B-lymphocyte subsets, dendritic cell-driving of CD-4+ T-cell subset activities, biology of the CD-4+ T-cell TH17 subset and regulatory T-cell, cross-presentation, mechanisms of tolerance induction, immunoediting and tumor camouflage and the connection between inflammation and cancer development, immunogenetics of primary immunodeficiencies and the immunology of HIV infections and AIDS, and vaccines; and moreall immersed in full-color artwork, design, and user-friendly text. This Second Edition provides a completely up-to-date introduction to immunology through its careful investigation of: Cells and organs of the human system Innate immunity Antigens and antibodies Antigen-antibody interactions and some experimental systems Genetics of antibody formation and structure The major histocompatibility complex and development of immunity T-cell receptor complex Cytokines Cellular interactions Hypersensitivities Immunologic tolerance and autoimmunity Transplantation immunology Tumor immunology Immunodeficiencies Immunity to microbes Successfully blending biology, clinical science, genetics, and molecular biology, this book represents a complete account of our knowledge of immunology. It is complemented with a number of pedagogical aids that assist readers in the learning process, including chapter outlines, objectives, mini-summaries that provide "mental breathers" within the chapter to reassess the material just covered, full-chapter summaries, figures, and a self-evaluation section. The book ends with anextensive glossary and an appendix. It serves as an excellent textbook for courses in the life and medical sciences at the upper-undergraduate and graduate levels and as a reference for practicing scientists and clinical researchers.