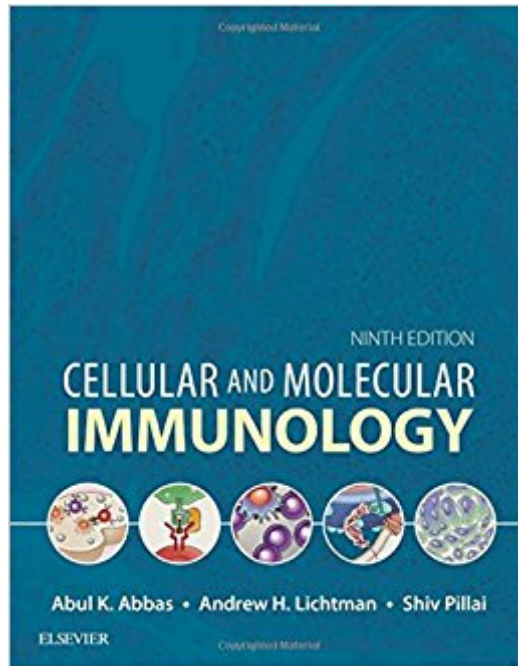




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Cellular And Molecular Immunology, 9e



Synopsis

The top required and recommended immunology text worldwide, *Cellular and Molecular Immunology* by Drs. Abul K. Abbas, Andrew H. H. Lichtman, and Shiv Pillai, is a clear, well-written, and superbly illustrated introduction to the field. The 9th Edition retains a practical, clinical focus while updating and revising all content to ensure clarity and comprehension, bringing readers fully up to date with new and emerging information in this challenging area. Highlights the implications of immunologic science for the management of human disease, emphasizing clinical relevance throughout. Provides a highly visual, full-color description of the key immunologic and molecular processes with a fully updated, comprehensive, and consistent art program. Helps readers 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. Includes summary boxes that assist with rapid review and mastery of key material. Student Consult[®], eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, references and animations, designed to produce a more rounded learning experience. Features updates from cover to cover, including tumor immunity (tumor antigens, cancer immunotherapy), immune checkpoints, cytosolic sensors for DNA, non-canonical inflammasomes, prionization as a signaling mechanism, monogenic defects in immunity, and more.

Book Information

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Customer Reviews

Abul K. Abbas, MBBS, Distinguished Professor and Chair, Department of Pathology, University of

This is a very comprehensive presentation of the immune system. It covers it in a most up to date manner for example including the most recent studies on CAR-T cells and PD-1 inhibitors. It covers each of the immune elements in detail and that includes the innate and adaptive system.

Specifically: 1. The discussion of T helper cells is complete with an excellent summary and detail on each of its elements. 2. The CTL are covered in equal detail and these are critical in the understanding of current immunotherapy. 3. The complement system is covered but here I would have liked to see it more on a stand alone basis. The complement system gets limited coverage but recent work in AMD for adults seems to give it some potential. 4. Immunotherapy in a broader sense is covered but not in detail. For example there is limited inclusion of dendritic cell therapy for prostate cancer. It is not clear what this is used for, since it is so encyclopedic. I have considered it akin to a "shop manual" for immunology. It has every part and piece and it details what part is connected to what other part. However, the Immune System is a system and this system view is lacking. To understand immune system failures one must understand the basic dynamics of the immune system. This book detailed every piece and part but lacks leaving the reader with an overall system view. One can walk away with encyclopedic knowledge but not necessarily with a visceral understanding of the workings. Notwithstanding my critique, this is clearly the standard for such presentation. However the Kuby Immunology series does add a dimension which is missing, namely the laboratory efforts involved in understanding where and how many of these facts were determined. I have used the Kuby books from the first addition forward and they are an excellent complement to this work. Also I have found the book by How the Immune System Works (The How it Works Series) is an excellent "road map" and system oriented book than can be used in conjunction with this one. Overall this book focuses primarily on the immune system elements. However there are many underlying genetic pathways that play a significant role and these are not considered in any detail. For example, the impact on the NF-kB pathway is significant as a promoter of cytokine production. I would assume that one should be aware of its function and impact. Overall this book is essential to have for anyone trying to do work in the current state of immunology. It provides the details and foundational elements that are invaluable. From this book one can jump quickly to the current literature.

The information is accurate, but I found the organization problematic - the presentations in the book sometimes provoked questions that were answered elsewhere in the book. Finding the answers

was not always easy.

I initially want to have the 8th edition of this book, and I found that there is a newest version as the 9th edition. I have compared this one with the last edition, and found that this new version really covers some intriguing and state-of-art concepts like immunotherapy for cancer (second generation CART, PD-L1), although the length is limited. Some of the basic concepts have been either rewritten or modified to match the main flow of immunological findings. It is a good book but only if you have a basic understanding of how immunity works. Otherwise, pls start with the guiding book like "how the immune system works" contributed by Sompayrac

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