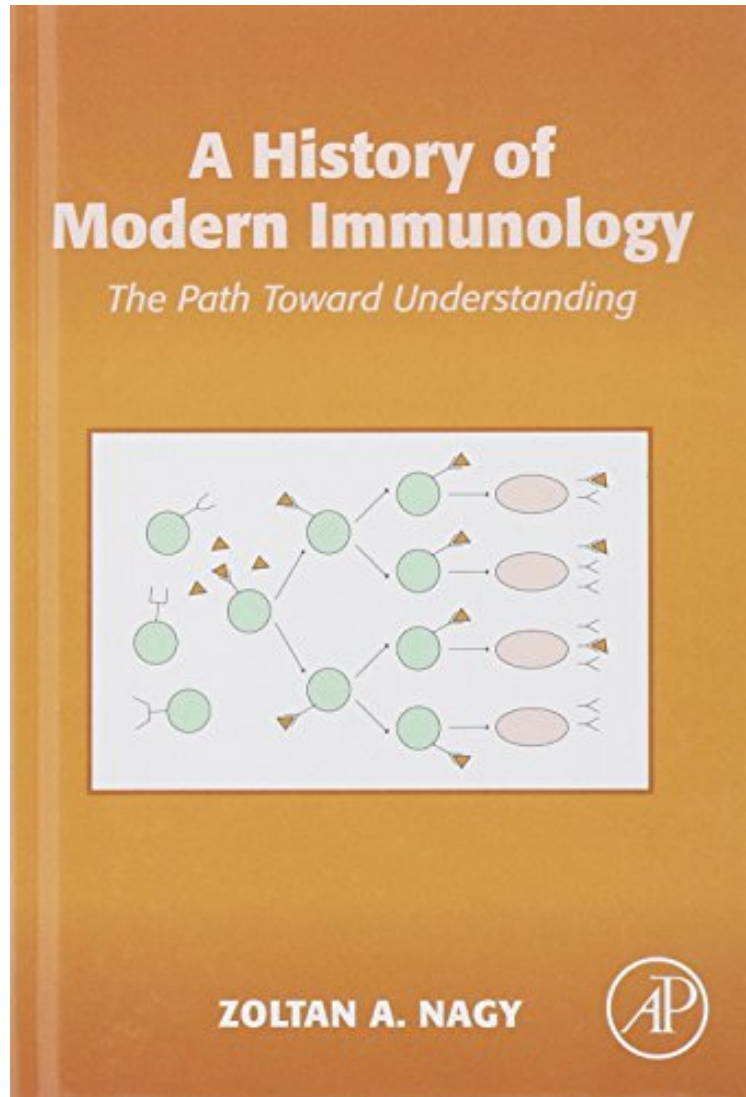


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A History of Modern Immunology: The Path Toward Understanding

Zoltan A. Nagy

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Zoltan A. Nagy : A History of Modern Immunology: The Path Toward Understanding before purchasing it in order to gage whether or not it would be worth my time, and all praised A History of Modern Immunology: The Path Toward Understanding:

1 of 1 people found the following review helpful. nicely thought provocativeBy Client d'This book is historically interesting because it explains important concepts in modern immunology by going over to the most important

experiments that contributed to the discoveries. At the same time, it is audacious because it explains what can still be considered controversial or not completely proven. In fact it is very provocative at times which is great. This contrast with many existing books which provide only mechanistic explanations where everything seems to fit perfectly, while in fact, many explanations are solely the best people have come up with...Zoltan Nagy uses imaginary friend Dr G. to express the authors opinions on what is not clear in many explanations, at least to him. Thus, the merits of this book is in giving hints on what should be further investigated while explaining the current point of view. This is indeed most valuable because this is what often makes immunology puzzling.

A History of Modern Immunology: A Path Toward Understanding describes, analyzes, and conceptualizes several seminal events and discoveries in immunology in the last third of the 20th century, the era when most questions about the biology of the immune system were raised and also found their answers. Written by an eyewitness to this history, the book gives insight into personal aspects of the important figures in the discipline, and its data driven emphasis on understanding will benefit both young and experienced scientists. This book provides a concise introduction to topics including immunological specificity, antibody diversity, monoclonal antibodies, major histocompatibility complex, antigen presentation, T cell biology, immunological tolerance, and autoimmune disease. This broad background of the discipline of immunology is a valuable companion for students of immunology, research and clinical immunologists, and research managers in the pharmaceutical and biotechnology industries. Contains the history of major breakthroughs in immunology featured with authenticity and insider details Gives an insight into personal aspects of the players in the history of immunology Enables the reader to recognize and select data of heuristic value which elucidate important facets of the immune system Provides good examples and guidelines for the recognition and selection of what is important for the exploration of the immune system Gives clear separation of descriptive and interpretive parts, allowing the reader to distinguish between facts and analysis provided by the author

"...lively in part because, at its core, it recognizes the human and subjective side of doing science...constitutes an enthusiastic and warm account of immunological progress...The human engagement in his account makes the scientific issues more understandable, their significance more apparent and fascinating." --Journal of the History of Biology, *A History of Modern Immunology* "introduces each of the ten sections with some level of background or historical context, beginning with the discovery of DNA rearrangement in the generation of antibody diversity and finishing with the concepts of immune tolerance and autoimmunity also explains the significance of specific experiments. Summing Up: Recommended." --Choice, July 2014 "An immunology industry insider surveys the recent history of the branch of life sciences that studies immune system functions and summarizes major discoveries resulting from immunological research conducted since 1970. The chronicle describes the clarification of immunoglobulin structure, the interaction of antibody with antigen, the mechanisms for generation of antibody diversity, the T-cell antigen receptor, and the nature of its ligand.." --ProtoView.com, January 2014 From the Back Cover This book summarizes the major events in immunology during the 20th century, an era when most questions about the biology of the immune system were raised and also found their answers. Written by an eye witness, it provides a concise introduction to the following topics: immunological specificity, antibody diversity, monoclonal antibodies, major histocompatibility complex, antigen presentation, T cell biology, immunological tolerance, and autoimmune disease. *A History of Modern Immunology* provides a broad background of the discipline of immunology by describing, analyzing and conceptualizing a number of seminal discoveries, making it particularly useful for both the young scientist and the more mature. About the Author Dr. Nagy, a world-leading immunologist, previously held positions as Scientific Member of the Basel Institute of Immunology, Deputy Director of the Max-Planck-Institute for Biology in Tuebingen, Project Leader in Preclinical Research at Novartis in Basel and most recently as Department Head of Immunology at Hoffmann-La Roche in Nutley. Dr. Nagy's research into the major histocompatibility complex has resulted in over 140 papers in peer-reviewed journals. He's actively contributed to immunology research from 1970 to 2006 and is an author of over 150 research publications (mostly in high impact international journals). He's directly contributed to the majority of sub disciplines, the history of which is described in this book. He personally knows almost all prominent scientists in immunology including 8 Nobel Laureates. This background put him uniquely into the position of writing up the history of immunology in the last third of the twentieth century with authenticity and insider details. He's significantly contributed to the genetics of the major histocompatibility complex (MHC), to the MHC-association of autoimmune diseases, and to different aspects of T cell biology. Formerly, he was a member of the Basel Institute for Immunology, deputy director at the Department of Immunogenetics, Max-Planck-Institute of Biology, Tbingen, Germany, head of the Immunology Department, Hoffmann La Roche Inc., Nutley, NJ, USA, and head of research at GPC-Biotech Inc., Munich, Germany. Also is a former editorial board member of Immunogenetics, and Human Immunology.