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Immunity

William E. Paul

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William E. Paul : Immunity before purchasing it in order to gauge whether or not it would be worth my time, and all praised Immunity:

0 of 0 people found the following review helpful. excellent review of immunology from the perspective of a giant By Carl One probably needs some extent of background in biological sciences to fully understand the content, but it doesn't prevent anyone who is interested in immunology to get education and enlightenment from Dr. Paul's insight in the book. I personally doubt anyone is better than the author, a giant in the field, in walking us through the history of

immunology and give future prospective. It is not intended as a textbook. Instead, it is a personal review of the field from the eyes of a giant in immunology. Highly recommended! 0 of 0 people found the following review helpful. Excellent guide to the state of science as it stood ...By Paul D. Godden Excellent guide to the state of science as it stood at the date of publication, written with care and precision by one of the leading scientists in the field. You do need some biological sciences background to get the best from this book, but it's heartily recommended all the same. 0 of 0 people found the following review helpful. Good introduction for the lay reader By rk1436 Good introduction for the lay reader. Would have been helpful to have more illustrations to map the complex interactions of the immune system. I will be reading this book more than once to catch all the nuances.

The immune system has incredible power to protect us from the ravages of infection. Boosted by vaccines, it can protect us from diseases such as measles. However, the power of the immune system is a double-edged sword: an overactive immune system can wreak havoc, destroying normal tissue and causing diseases such as type I diabetes, rheumatoid arthritis, and multiple sclerosis. The consequences of an impaired immune system, on the other hand, are all too evident in the agonies of AIDS. Packed with illustrations, stories from Dr. William E. Paul's distinguished career, and fascinating accounts of scientific discovery, *Immunity* presents the three laws of the human immune system: universality, tolerance, and appropriateness and explains how the system both protects and harms us. From the tale of how smallpox was overcome and the lessons of the Ebola epidemic to the hope that the immune system can be used to treat or prevent cancer, Dr. Paul argues that we must take advantage of cutting-edge technologies and promising new tools in immunological research.

"An excellent overview of what science knows about immunology today." (Science-Based Medicine) "Written by a prominent researcher and scholar who not only followed the history of immunology but also participated in its creation, *Immunity* could be considered as an excellent summary of the classical, pre-systemic, immunological era." (Metascience) "It is well written, informative and gives detailed descriptions even down to defining platelets sometimes we make the assumption that individuals know these details but the author has pre-empted this and provided ample explanations, which in essence will widen his audience... I would recommend this book to students, healthcare assistants, clinicians, and nurse specialists working within all areas." (Nursing Times) "A treasure trove of information, this wonderful book should broadly appeal to anyone interested in human health and disease. There is no competing volume that covers such breadth of immunology at this personal level. A tour de force." (Daniel M. Davis, University of Manchester, author of *The Compatibility Gene: How Our Bodies Fight Disease, Attract Others, and Define Our Selves*) "Dr. Paul has lived the modern history of basic and applied immunology. His warm, down-to-earth style and deep insight into biology lead the reader on a fascinating journey in understanding these diverse processes from the vantage point of a discovery scientist." (Hyam Levitsky, MD, Johns Hopkins University School of Medicine) "Immunity is at once an informative history of immunology with numerous personal asides and a brilliant introduction to the wonders of this key field of medical science. The novice can learn immunology from this book while the professional will appreciate Dr. Paul's role in the history and enjoy his erudition and judgment." (David Baltimore, California Institute of Technology, Nobel Prize Winner in Physiology or Medicine, 1975) "Paul recounts in a clear fashion the ideas, experiments and insights that have led us to our present day understanding of immunity. Along the way we encounter new viruses, autoimmunity, and the latest insights in cancer immunotherapy." (Arnold J. Levine, Institute for Advanced Study) From the Back Cover Outstanding Academic Title, Choice The immune system has incredible power to protect us from the ravages of infection. Boosted by vaccines, it can protect us from diseases such as measles. However, the power of the immune system is a double-edged sword: an overactive immune system can wreak havoc, destroying normal tissue and causing diseases such as type I diabetes, rheumatoid arthritis, and multiple sclerosis. The consequences of an impaired immune system, on the other hand, are all too evident in the agonies of AIDS. Packed with illustrations, stories from Dr. William E. Paul's distinguished career, and fascinating accounts of scientific discovery, *Immunity* presents the three laws of the human immune system: universality, tolerance, and appropriateness and explains how the system both protects and harms us. From the tale of how smallpox was overcome and the lessons of the Ebola epidemic to the hope that the immune system can be used to treat or prevent cancer, Dr. Paul argues that we must take advantage of cutting-edge technologies and promising new tools in immunological research. "An excellent overview of what science knows about immunology today." Science-Based Medicine "Written by a prominent researcher and scholar who not only followed the history of immunology but also participated in its creation, *Immunity* could be considered as an excellent summary of the classical, pre-systemic, immunological era." Metascience "It is well written, informative and gives detailed descriptions even down to defining platelets sometimes we make the assumption that individuals know these details but the author has pre-empted this and provided ample explanations, which in essence will widen his audience... I would recommend this book to students, healthcare assistants, clinicians, and nurse specialists working within all areas." Nursing Times About the Author William E. Paul, MD (1936-2015) was the chief of the Laboratory of Immunology at the National Institute of Allergy and Infectious Diseases of the National Institutes of Health. He received his medical degree from the State University of New York

Downstate Medical Center. A past president of the American Association of Immunologists and the American Society for Clinical Investigation, he was also a member of the National Academy of Sciences and its Institute of Medicine and a Fellow of the American Academy of Arts and Sciences.