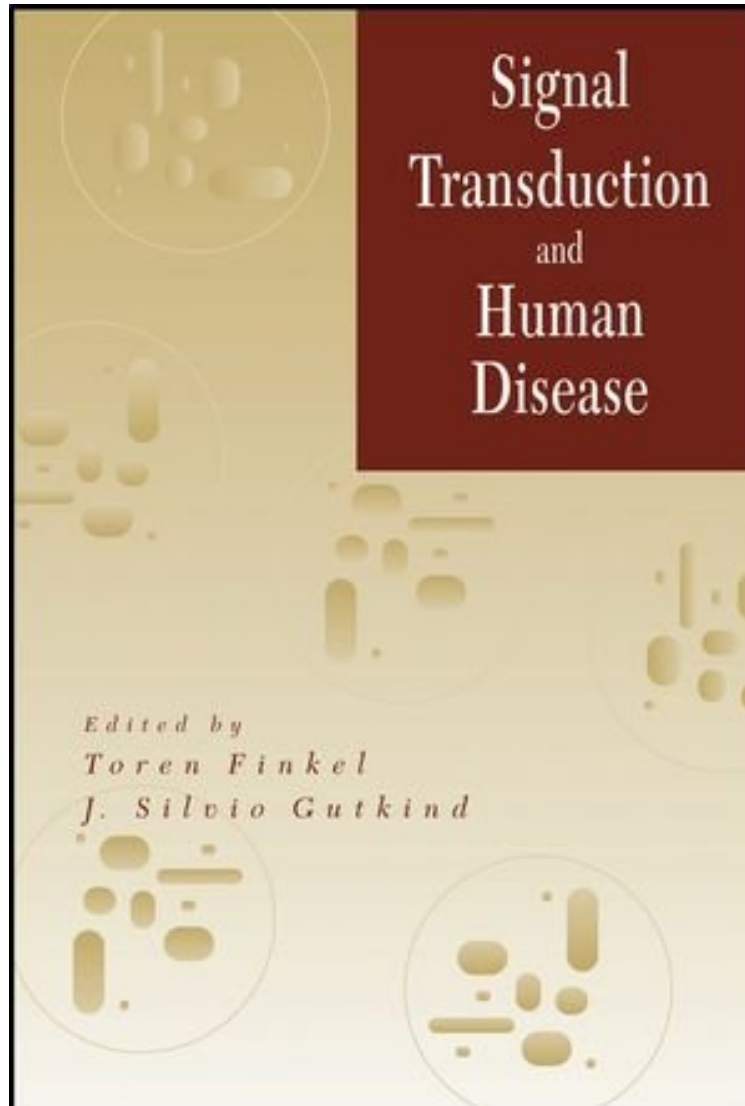


## Signal Transduction and Human Disease

*From Toren Finkel*

*audiobook / \*ebooks / Download PDF / ePub / DOC*



[Download](#)

[Read Online](#)

#3760956 in Books Toren Finkel 2003-05-30 Original language: English PDF # 1 10.16 x 1.26 x 7.26l, 2.24  
#File Name: 0471020117488 pages Signal Transduction and Human Disease | File size: 50.Mb

**From Toren Finkel : Signal Transduction and Human Disease** before purchasing it in order to gage whether or not it would be worth my time, and all praised Signal Transduction and Human Disease:

3 of 5 people found the following review helpful. Excellent Text  
By A Customer "An excellent text. Well written, precise chapters that explain the interface between molecular medicine and clinical practice at a level appropriate for educated laypersons, physicians and scientists." --Marschall S. Runge, M.D., Ph.D., Department of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina  
3 of 5 people found the following review helpful. Very Helpful Book  
By A Customer "[Signal Transduction and Human Disease] is the kind of monograph that

can be read quickly to understand a critical area of basic biology... Very helpful in getting into the more complex literature." --Myron L. Weisfeldt, M.D., Director, Department of Medicine, Johns Hopkins Medical Institutions, Baltimore, Maryland

This book uniquely relates the broad impact of signal transduction research on the understanding and treatment of human disease. There have been significant advances in the area of signaling in disease processes, yet no resource presently connects these advances with understanding of disease processes and applications for novel therapeutics. Given the emphasis on translational research and biological relevance in biotechnology, and, conversely, the importance of molecular approaches for clinical research, it is evident that a single resource bridging signaling research and human disease will be invaluable.

"The book is attractively laid out with clear, well-labeled figures and charts" (Journal of Natural Products, March 2005) "...the overall worth of the book is in the excellent job it does of taking readers from the etiology and management of the disease to our current understanding of the molecular mechanisms involved." (Quarterly of Biology, March-May 2005) a successful work serves as a short summarising overview (Signal Transduction, No.1 2, 2004) "...appropriate for a textbook...pathways and their regulation are well explained and there are helpful tables and illustrations. The information is current and is well referenced...Finkel, Gutkind, and their coauthors have put together examples that illustrate the growing depth of understanding the roles of signal transduction in disease..." (Cell, January 9, 2004) ...provides a sweeping look at current information derived from assessing the role of some kinases and phosphatases on human conditions associated with disease...the book contains thoughtful, well-planned chapters...with extensive citations and excellent artwork...extremely valuable. (Pharmaceutical Research, Vol. 20, No. 12, December 2003) "[Signal Transduction and Human Disease] is the kind of monograph that can be read quickly to understand a critical area of basic biology... Very helpful in getting into the more complex literature." Myron L. Weisfeldt, M.D., Director, Department of Medicine, Johns Hopkins Medical Institutions, Baltimore, Maryland "An excellent text. Well written, precise chapters that explain the interface between molecular medicine and clinical practice at a level appropriate for educated laypersons, physicians and scientists." Marschall S. Runge, M.D., Ph.D., Department of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina

From the Author

The present volume describes the up-to-date knowledge on signaling pathways and human disease. When surveying the field, we could find no text that straddled the productive interface between modern biology and modern medicine. Indeed, we began to feel that a laboratory researcher working in the field of asthma might be very conversant with the intricate molecular signaling pathway of NF- $\kappa$ B and its myriad subunits, yet they might never have been exposed to the simple clinical tool of flow-volume loops or seen graphically the effects of bronchodilators on airway resistance. Conversely, a rheumatologist might be quite adept at examining a joint and developing an appropriate differential diagnosis, but be quite unaware of the details surrounding TNF signaling. In this book, we have attempted to bring together these two complementary approaches into one volume. Together with our contributors, we have labored to describe a host of disease processes from common conditions such as atherosclerosis and cancer to disorders such as TRAPS, a rare rheumatological syndrome characterized by periodic fevers and rashes. Within many of the chapters, where appropriate, we have first tried to give the reader a sense of the disease process, what it affects, how it presents, how common it is and what the current treatments are. These clinical descriptions are not meant to be exhaustive but rather serve as an outline to the reader regarding the disease's manifestations and current treatment options. Following this introduction, we usually present a more in depth discussion of one or two signal transduction pathways or biological processes relevant to the disease. Throughout these fourteen chapters we have endeavored to cover most of the major signaling pathways using a variety of different human diseases as our framework and point of embarkation.