DESCRIPTION

This all-new edition of a classic text has been thoroughly revised to keep pace with the rapid progress in signal transduction research. With didactic skill and clarity the author relates the observed biological phenomena to the underlying biochemical processes.

Directed to advanced students, teachers, and researchers in biochemistry and molecular biology, this book describes the molecular basis of signal transduction, regulated gene expression, the cell cycle, tumorigenesis and apoptosis.

"Provides a comprehensive account of cell signaling and signal transduction and, where possible, explains these processes at the molecular level" (Angewandte Chemie)

"The clear and didactic presentation makes it a textbook very useful for students and researchers not familiar with all aspects of cell regulation." (Biochemistry)

"This book is actually two books: Regulation and Signal Transduction." (Drug Research)
Gerhard Krauss is Professor of Biochemistry at the University of Bayreuth (Germany). His research is centered on the mechanism of interaction of DNA binding proteins and their target DNA. He is specifically interested in transcription factor, DNA methyl transferases and nucleotide excision repair.

The idea for a textbook on Signal Transduction and Gene Regulation originated from a lecture course that he has been teaching at Bayreuth since the middle of the 1990s.

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