

Thoroughly revised 5th edition with 50 % new content.

Originally based on a graduate course taught by the author, this true classic has once again been extensively updated to incorporate the latest key findings in biological signaling.

As such, it is the perfect companion for a course on the subject, thanks to its clear structure, hundreds of illustrative drawings, as well as chapter introductions and 150 newly-added study questions. With over half of the content re-written, plus 70 brand new and 50 revised figures, this is the most up-to-date textbook on the topic available.

Generations of students and junior researchers have relied on "the Krauss" to find their way through the bewildering complexity of biological signaling pathways, and this update ensures it will remain equally invaluable to students in biochemistry and molecular biology, as well as biochemists, molecular and cell biologists, and cancer researchers.

Supplementary material available at: www.wiley-vch.de/supplements/



Gerhard Krauss is emeritus 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 factors, DNA methyl transferases and nucleotide excision repair. The idea for a textbook on Signal Transduction and Gene Regulation originates from a lecture course that he has been teaching at Bayreuth since the middle of the 1990s.

