From Molecules to Networks

By John H. Byrne

Oxford Elsevier LTD Feb 2009, 2009. Buch. Book Condition: Neu. 283x228x35 mm. Neuware - An understanding of the nervous system at virtually any level of analysis requires an understanding of its basic building block, the neuron. This book provides the solid foundation of the morphological, biochemical, and biophysical properties of nerve cells. All chapters have been thoroughly revised for this second edition to reflect the significant advances of the past five years. The new edition expands on the network aspects of cellular neurobiology by adding a new chapter, Information Processing in Neural Networks, and on the relation of cell biological processes to various neurological diseases. The new concluding chapter illustrates how the great strides in understanding the biochemical and biophysical properties of nerve cells have led to fundamental insights into important aspects of neurodegenerative disease. . Written and edited by leading experts in the field, the second edition completely and comprehensively updates all chapters of this unique textbook . Discusses emerging new understanding of non-classical molecules that affect neuronal signaling . Full colour, professional graphics throughout . Includes two new chapters: Information Processing in Neural Networks - describes the principles of operation of neural networks and the key circuit motifs...

READ ONLINE
[1.84 MB]

Reviews

This publication will never be effortless to get started on reading through but very fun to read. It is actually loaded with knowledge and wisdom You will not truly feel monotony at anytime of the time (that's what catalogues are for about in the event you check with me).
-- Marlin Bergstrom

This publication will never be effortless to get started on reading through but very fun to read. It is actually loaded with knowledge and wisdom You will not truly feel monotony at anytime of the time (that's what catalogues are for about in the event you check with me).
-- Marlin Bergstrom