

Second Edition

CELL *Physiology* SOURCE BOOK



EDITED BY NICHOLAS SPERELAKIS

Cell Physiology Source Book Second Edition

G Thomas



Cell Physiology Source Book Second Edition:

Cell Physiology Source Book Nicholas Sperelakis, Nick Sperelakis, 2001-08-02 This completely revised and updated source book provides comprehensive and authoritative coverage of cell physiology and membrane biophysics. Intended primarily as a text for advanced undergraduate and graduate students and as a reference for researchers, this multidisciplinary book includes several new chapters and is an invaluable aid to scientists interested in cell physiology, biophysics, cell biology, electrophysiology, and cell signaling. **KEY FEATURES** Completely revised and updated includes 8 new chapters on such topics as membrane structure, intracellular chloride regulation, transport, sensory receptors, pressure effects, and infrared detectors. Includes broad coverage of both animal and plant cells. Appendixes review basics of the propagation of action potentials, electricity, and cable properties. Authored by leading experts in the field. Clear, concise, comprehensive coverage of all aspects of cellular physiology from fundamental concepts to more advanced topics. **PRAISE FOR THE SECOND EDITION** The authoritative volume in the field of cell physiology and certainly one of the most current sources of comprehensive information available. **CHOICE** a core textbook in cell physiology. The need for such a book is well justified and it fulfills its objectives admirably. It is especially strong on the subjects of signal transduction, membrane biology, ion channels, and neuronal and muscle cell physiology. It is a solid textbook in its field. **DOODY'S PUBLISHING REVIEWS** Cell Physiology Source Book 2e will be useful for advanced undergraduate and graduate students studying cell physiology, cell biophysics, electrophysiology, and biological scientists in many fields. The book is particularly suitable for introducing cell physiology to students with training in the physical sciences and for introducing cell biophysics to students with backgrounds in biology. **BIOPHYSICAL JOURNAL** The Cell Physiology Source Book was on **CHOICE's** list of Outstanding Academic Books for 1996 and the second edition was on **CHOICE's** list of Outstanding Academic Books in 1998. *Cell Physiology Sourcebook* Nicholas Sperelakis, 2001-05-15 This completely revised and updated source book provides comprehensive and authoritative coverage of cell physiology and membrane biophysics. Intended primarily as a text for advanced undergraduate and graduate students and as a reference for researchers, this multidisciplinary book includes several new chapters and is an invaluable aid to scientists interested in cell physiology, biophysics, cell biology, electrophysiology, and cell signaling. Includes broad coverage of both animal and plant cells. Appendixes review basics of the propagation of action potentials, electricity, and cable properties. Cell Physiology Source Book Nick Sperelakis, 2012-01-11 Cell Physiology Source Book gathers together a broad range of ideas and topics that define the field. It provides clear, concise, and comprehensive coverage of all aspects of cellular physiology from fundamental concepts to more advanced topics. The 4e contains substantial new material. Most chapters have been thoroughly reworked. The book includes chapters on important topics such as sensory transduction, the physiology of protozoa and bacteria, and synaptic transmission. Authored by leading researchers in the field. Clear, concise, and comprehensive coverage of all aspects of cellular physiology from fundamental concepts to more advanced topics. Full color

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web wie die dampf kraft entdeckt wurde welche risiken sie mit sich brachte und wie die dampf kessel über wachungs vereine menschen vor der technik schützten das erzählen wir in unserer kurzen geschichte der dampf maschine am

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web eine dampfmaschine erhitzt wasser so dass daraus dampf wird aus dem dampf macht sie bewegung mit der bewegung wird eine andere maschine angetrieben zum beispiel in einer lokomotive schon im altertum haben menschen versucht

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