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# **Cell Physiology: Source Book**



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## **Cell Physiology: Source Book**

#### **Cell Physiology: Source Book**

A multi-authored and comprehensive text, **Cell Physiology Source Book** enables graduate students in various biological sub-disciplines to gain a thorough understanding of cell physiology. It begins with a reviewof the physical chemistry of solutions, protein structure, and membrane structure, and ends with an Appendix featuring reviews of electricity, electrochemistry, and cable properties of cells. In between, this book is loaded with information on membrane potentials, cell metabolism, signal transduction, transport physiology and pumps, membrane excitability and ion channels, synaptic transmission, sensory transduction, muscle contraction, excitation-contraction coupling, bioluminescence, photosynthesis, andplant cell physiology.

This exhaustive work provides graduate students with detailed and authoritative coverage of nearly all aspects of cell physiology. Such broad coverage of this field within a single source makes for a unique text. Chapters written in a clear, concise, and didactic style, and appropriate reviews of basic physics and chemistry are among the many distinguishing features of this monumental treatise.

Comprehensive source-book of cell physiology

Authoritative and multi-authored by leading experts in the field

Unique features include broad coverage and review of relevant physics, chemistry, and metabolism Clear, concise, and didactic

Includes reviews of physical chemistry of solutions, protein structure, membrane structure, electrochemistry, and electricity

Topic covered include plant cell physiology, photosynthesis, bioluminescence, effects of pressure, cilia, and flagellae

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