



# Cell physiology sourcebook [ essentials of membrane biophysics /

Sperelakis, Nick (1930-)

Elsevier/Academic Press, 2012

Monografía

This authoritative 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 Fourth Edition 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 fieldClear, concise, and comprehensive coverage of all aspects of cellula

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**Contenido:** Section 1. Biophysical chemistry, metabolism, second messengers, and ultrastructure -- section 2. Membrane potential, transport physiology, pumps, and exchangers -- section 3. Membrane excitability and ion channels -- section 4. Ion channels as targets for toxins, drugs, and genetic diseases -- section 5. Synaptic transmission and sensory transduction -- section 6. Muscle and other contractile systems -- section 7. Protozoa and bacteria -- section 8. Specialized processes : photosynthesis and bioluminescence

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