



Principles of Cellular, Molecular, and Developmental Neuroscience

By Steward, Oswald

Condition: New. Publisher/Verlag: Springer, Berlin | The field of cellular, molecular, and developmental neuroscience represents the interface between the three large, well established fields of neuroscience, cell biology, and molecular biology. In the last 10 to 15 years, this new field has emerged as one of the most rapidly growing and exciting subdisciplines of neuroscience. It is now becoming possible to understand many aspects of nervous system function at the molecular level, and there already are dramatic applications of this information to the treatment of nervous system injury, disease, and genetic disorders. Moreover, there is great optimism that new strategies will emerge soon as a result of the explosion of information. This book was written to introduce students to the major issues, experimental strategies, and current knowledge base in cellular, molecular, and developmental neuroscience. The concept for the book arose from a section of an introductory neuroscience course given to first-year medical students at the University of Virginia School of Medicine. The text presumes a basic, but not detailed, understanding of nervous system organization and function, and a background in biology. It is intended as an appropriate introductory text for first-year medical students or graduate...

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