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Methods of Cell Biology and Molecular Biology

By Kumkum Thakur

Mittal Publications, New Delhi, 2011. N.A. Book Condition: New. xiii+306pp Cell biology is an academic discipline which studies the physiological properties of cells, as well as their behaviours, interactions, and environment, this is done both on a microscopic and molecular level. Molecular biology is the study of Biology at a molecular level. It chiefly concerns itself with understanding the interactions between the various systems of a cell, including the interrelationship of DNA, RNA and protein synthesis and learning how these interactions are regulated. Cell and molecular biology concentrate on the macromolecules and reactions studied by biochemists, the processes described by cell biologists, and the gene control pathways identified by molecular biologists and genetics. All the concepts of cell and molecular cell biology continue to be derived from experiments, and powerful experimental tools that allow the study of living cells and organisms at higher and higher levels of resolution are being developed constantly. This book contains: -Introduction to Cell Biology - Microscopy - Spectrophotometry - Fluorescence - Radiochemistry - Centrifugation - Proteins - Immunization - Chromatography - Techniques of Molecular Biology - Human Gene Expression - Animal Genetics - Structure and Functions of Genomics - Gene Mutation and Clinical Phenotype -...



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