

book spotlights

Molecular Biology of the Gene, 5th ed.

J.D. Watson, et al, 2004, Hard Cover/CD-ROM, 732 pages

This edition of Watson's classic textbook has been brought up to date, and incorporates insights very recently derived from genome sequencing in a variety of organisms. The book is a comprehensive survey of the fundamentals of molecular biology, from basic mechanisms to the elaborate role of gene regulation in embryonic development and evolution. The 21 chapters retain the distinctive features of the original work, including introductory chapters on the history of genetics and molecular biology and an emphasis throughout on the chemical underpinnings of molecular biology. By revealing the intellectual framework and experimental approaches that made new discoveries in the field possible, this edition highlights the significance of the molecular approach for all of biology.

Table of Contents: (Partial)

PART 1:

CHEMISTRY AND GENETICS

PART 2:

MAINTENANCE OF THE GENOME

PART 3:

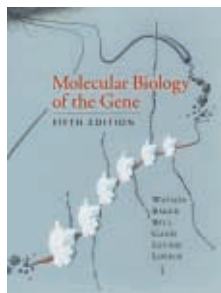
EXPRESSION OF THE GENOME

PART 4:

REGULATION

PART 5:

METHODS



Ordering Information

Product	Description	Unit
Z70,182-3	Molecular Biology of the Gene, 5th ed.	1 each

When Cells Die II: A Comprehensive Evaluation of Apoptosis and Programmed Cell Death

R. Lockshin and Z. Zakeri, 2004, Hard Cover, 549 pages

This edition offers the most thorough coverage of this field. Leading researchers present an up-to-date survey ranging from the history of cell death science to its modern methodology. Revised to include major advances in research, this edition features relevant discussion of: the impact of genomics and proteomics; gene therapy and pharmacogenetics; role of mitochondria; caspase-independent and non-apoptotic cell death; evolution of mechanism. With the manipulation of programmed cell death in clinical situations, this book also addresses the role of apoptosis in specific organ systems; the immune system, nervous system, and gastrointestinal tract; as well as different disease states, including viral infection, cancer, and myocardial infarct.

Table of Contents: (Partial)

SECTION I:

CELL DEATH ORIGIN AND PROGRESSION

SECTION II:

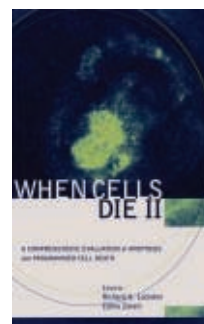
BIOLOGICAL ROLE OF CELL DEATH IN DEVELOPMENT AND HOMEOSTASIS

SECTION III:

HOW CELL DEATH IS CARRIED OUT

SECTION IV:

DEREGULATION OF CELL DEATH IN DISEASE AND FUTURE INTERVENTION



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Z70,174-2	When Cells Die II: A Comprehensive Evaluation of Apoptosis and Programmed Cell Death	1 each