Biology/Molecular Genetics

Molecular Biology

Understanding the Genetic Revolution

David P. Clark, Southern Illinois University, Carbondale, Illinois, U.S.A.

"This is an excellent book. It is very lucidly written. David Clark covers a suitable set of topics, and treats each topic very thoroughly…He is very up-to-date in his coverage of the material."
—**John G. Burr**, University of Texas at Dallas

"The author did a very good job covering this vast subject and offered many insightful perspectives."
—**John F. Cannon**, University of Missouri

"This textbook is very comprehensive, covering nearly all aspects of molecular biology and genetics. The textbook excels in defining key terms in a clear and understandable way. The chapters are well organized and thoroughly developed, and it's packed with information… The sprinkling of little side stories is the icing on the cake."
—**B. Franklin Pugh**, Penn State University

Molecular biology is a fast-growing field that constantly provides new insights into the living world and the role of humans within it. Molecular biologists need a clear understanding of both new discoveries and applications as well as a firm grasp of the fundamentals. Clark's ***Molecular Biology: Understanding the Genetic Revolution*** gives readers what they need in both regards.

Clark effectively introduces basic concepts followed by more specific applications as the discussion evolves. He has included current research results and takes a thorough look at the medical, agricultural, and social aspects that shape modern-day molecular biology. This text is concisely written and beautifully illustrated in full color, to help student readers stay engaged and focused on understanding.

Molecular Biology covers a broad range of topics to reinforce that molecular biology is applicable to more than just human medicine and health, but also applies to veterinary medicine, evolution, agriculture, and biotechnology.

Watch for ***Biotechnology: Applying the Genetic Revolution*** (Elsevier, 2006) by the same author.

KEY FEATURES:

- Provides a broad overview of molecular biology, including genetic engineering and an introduction to biotechnology
- Outlines basic concepts followed by more detailed, specific applications
- Running glossaries and key notes (mini-introductions) hasten student comprehension
- Profuse illustration of core topics and concepts with approximately 700 full-color figures
- Covers medical, agricultural, and social aspects of molecular biology
- CD-ROM of screen-optimized color images is available to professors adopting of the text

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