



GENETICS & EVOLUTION



Genetics and Evolution is a six-volume set that explores the principal fields of modern molecular biology from their origins to the most recent discoveries and technological breakthroughs. A century and a half after evolutionary and genetic science began, biology and medicine are coming together to form a powerful new view of the living world that is having a dramatic effect on human health and society. As well as introducing the basic terms and concepts, the set examines the most significant social and ethical issues surrounding current biomedical research and serves as a valuable guide to the world that science is creating.

Developmental Biology offers an intriguing examination of the relationship among cells, genes, and the environment and of the obstacles and achievements of molecular biologists attempting to understand how to "build" a human body. The book illustrates the evolution of developmental biology—from the earliest history of embryology to the latest theories—by explaining how the role of research from various branches within biology led the scientific community to a new understanding of the complexity of organisms.

The volume includes information on

- blood cell differentiation
- cells and the brain
- the first phases of a human life
- the formation of organs
- Hox genes and genome evolution
- the origins of major organs
- stem cells, tissue regeneration, and cancer
- xenotransplantation

The book contains more than 30 color photographs and four-color line illustrations, sidebars, a chronology, a glossary, a detailed list of print and Internet resources, and an index. **Genetics and Evolution** is essential for high school students, teachers, and general readers who wish to learn about the "revolution" of evolutionary research and discovery.

GENETICS AND EVOLUTION SET

Developmental Biology

Genetic Engineering

Evolution

Human Genetics

The Future of Genetics

The Molecules of Life

Russ Hodge is a writer and science education expert at the Max Delbrück Center for Molecular Medicine (MDC) in Berlin, Germany, one of the world's leading biology institutes. The author of many popular science books, he has also published hundreds of articles and interviewed such world-renowned scientists as Nobel Prize winners Max Perutz, Roald Hoffmann, Harold Varmus, and Christiane Nüsslein-Volhard.

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