

Genetics

A molecular approach

Second edition

T.A. Brown

This text explains and relates the basic principles of molecular biology and genetics and should prove ideal for modern introductory courses in genetics. The book begins by describing the molecular nature of the gene (gene structure and expression) before discussing genetic analysis in detail – an imaginative organization which helps students grasp the abstract concepts of classical genetics with greater ease.

The book is divided into three parts.

Part One introduces the gene as a physical entity.

Part Two places the gene in the context of the cell and organism.

Part Three is devoted to genetic analysis and the basic principles of inheritance.

The new edition stresses the fundamental similarity between prokaryotes and eukaryotes. There is a new chapter on the genetics of humans and the experimental aspects are treated in greater depth. There is a comprehensive glossary, end-of-chapter reading lists, and problems with answers. Biographies of key people and original experiments enliven and authenticate the text.

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Also available

Gene Cloning

An introduction

T.A. Brown

2nd edn, paperback (0 412 34210 3), 300 pages

Genetic and Ecological Diversity

The sport of nature

L.M. Cook

Paperback (0 412 35620 1), 208 pages