

Reflecting the expansion of research in molecular, clinical, and immunogenetics, this dictionary—recognized as the definitive lexicon by geneticists and their students—now contains over 6000 definitions, nearly a third of which have been added since the Second Edition. Many of the terms are of recent coinage, especially those from molecular genetics, and other terms, such as those used in quantitative genetics or mutational studies, are from related disciplines. Indeed, this is the only dictionary of genetics to incorporate terms from chemistry, physics, statistics, biochemistry, and medicine that are commonly encountered in the genetic literature.

The definitions are clear and concise, and in many instances they are accompanied by diagrams, tables, or chemical formulas, including 50 new illustrations created for this edition. Also included are four updated appendices: an indexed chronology of 560 important discoveries covering the period from 1590 to 1984; a list of 393 professional journals; a classification of extant organisms; and a list of the common and scientific names of about 200 domesticated species.

The third edition should serve as an important source for students entering the study of classical and molecular genetics, as well as researchers reading outside their specialties.

Praise for the Second Edition:

"Without question, this is the finest reference work in the field of genetics, and should be of considerable use to general users.... Every imaginable term from biochemistry and other biological disciplines that might have a logical use by a geneticist is included. The chemical terms are not only defined, but their biological significance is stated, and their structural formulas are given in many cases...."

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