

Encyclopedic Dictionary Of Genetics Genomics And Proteomics

ChoiceASM NewsEncyclopedia of Genetics: Aggression - heredity and environmentEncyclopedic Dictionary of Genetics, Genomics, and ProteomicsEncyclopedia of Genetics: A-HybrColor Atlas of GeneticsThe Dictionary of Genomics, Transcriptomics and ProteomicsIndex to American Reference Books AnnualRecommended Reference Books for Small and Medium-Sized Libraries and Media Centers 2004Nature Encyclopedia of the Human Genome: Mitochondrial heteroplasmy and disease - Relatives-based test for linkage disequilibrium: the transmissionActa Agronomica HungaricaThe Dictionary of Gene TechnologyEncyclopedia of Molecular Biology and Molecular Medicine, Plasmids to Synthetic Peptide and Nonpeptide Combinatorial LibrariesGenomics and Personalized MedicineEncyclopedia of Molecular Biology and Molecular MedicineA Dictionary of GeneticsEncyclopedia of Genetics, Genomics, Proteomics, and InformaticsEncyclopedic Dictionary of Plant Breeding and Related SubjectsBrenner's Encyclopedia of GeneticsQuantitative Genetics, Genomics, and Plant BreedingChambers Encyclopedic English DictionaryBowker's Best Reference Books: Author index. Title indexEncyclopedia of Genetics, Genomics, Proteomics and Bioinformatics, 8 Volume SetSaunders Dictionary & Encyclopedia of Laboratory Medicine and TechnologyUsing the Biological LiteratureThe New WalfordQuantitative Genetics, Genomics and Plant Breeding, 2nd EditionA Dictionary of GeneticsForthcoming BooksAmerican Reference Books AnnualNature Encyclopedia of the Human GenomeEncyclopedic Dictionary of GeneticsEncyclopedia of Molecular Biology and Molecular Medicine, Mass Spectrometry High Speed DNA Fragment Sizing to Plasma LipoproteinsBook of AbstractsMcGraw-Hill Concise Encyclopedia of Science & TechnologyEncyclopedia of Molecular Biology and Molecular Medicine, Denaturation of DNA to Growth FactorsEncyclopedia of Bioinformatics and Computational BiologyAmerican Book Publishing RecordBook Review IndexEncyclopedia of Molecular Biology and Molecular Medicine, Heart Failure, Genetic Basis of to Mammalian Genome

Choice

Looks at the field of genetics, covering such topics as autism, DNA, bioethics, cancer, diabetes, eugenics, and pseudogenes.

ASM News

Dictionary of English-language terminology, German equivalents, and brief definitions in German. Miscellaneous appendixes. German index that refers to English terminology.

Encyclopedia of Genetics: Aggression - heredity and environment

Encyclopedic Dictionary of Genetics, Genomics, and Proteomics

"Breakthrough discoveries in the field of genetics have increased the general public's interest in the area. The Encyclopedia of Genetics was created to meet the demands of such users. The 172 articles range from 1,000 to 3,500 words and include key features such as a list of the defined words and a significance section that summarizes the article. The contributors give clear explanations of complex theories and methods aimed at the general reader. This is a unique resource to answer genetic questions from the non-scientific community."--"Outstanding reference sources 2000", American Libraries, May 2000. Comp. by the Reference Sources Committee, RUSA, ALA.

Encyclopedia of Genetics: A-Hybr

Features more than seven thousand entries covering topics, terms, and concepts in math, science, and technology.

Color Atlas of Genetics

Nature Encyclopedia of the Human Genome is the only reference resource devoted entirely to the scientific basis and genetics and genomics research and the complex commercial, philosophical, and ethical questions that arise from it. It presents a comprehensive and rigorously detailed overview of current genome science and its groundbreaking applications, examining the many topics that surround the field from the differing perspectives of history, philosophy, ethics, law, medicine, public health, and industry. Core areas covered include: structural genomics, functional genomics, chromosome structure and function, evolution and comparative genomics, genome mapping and sequencing, genes and disease, behavioural and psychiatric genetics, mathematical and population genetics, proteomics, bioinformatics, ethical, legal and social issues and biographies or key figures.

The Dictionary of Genomics, Transcriptomics and Proteomics

This book provides an overview of the rapidly developing integration and interdependence of quantitative genetics, genomics, bioinformatics and their application to plant breeding. Chapters have been developed from a symposium held in Baton Rouge, Louisiana, in March 2001, although additional contributions have also been commissioned especially for this volume. The main topics covered include: quantitative trait loci (QTL) mapping, genomics, bioinformatics and marker-assisted selection; tissue culture and alien introgression for crop improvement; and advances in genotype by environment interaction/stability analysis.

Index to American Reference Books Annual

Recommended Reference Books for Small and Medium-Sized Libraries and Media Centers 2004

Comprehensive, authoritative definitions of terminology used in laboratory medicine. Intended as a reference source for all involved health professionals and students. Includes vocabulary from all related disciplines. The definitions, reviewed before approval, were written by leading authorities, the medical editors, and dictionary staff. Also includes acronyms, symbols, eponyms, abbreviations, and taxonomic definitions. Miscellaneous appendixes, including normal values.

Nature Encyclopedia of the Human Genome: Mitochondrial heteroplasmy and disease - Relatives-based test for linkage disequilibrium: the transmission

Acta Agronomica Hungarica

"very useful as a quick desk reference for students, professionals, and nonprofessionals." -Quarterly Review of Biology "a trove of valuable clinical information" -New England Journal of Medicine This extensively expanded and thoroughly revised new edition provides a uniquely user-friendly and clearly written tool for navigating the latest terminology, concepts, theories, applications, and technology in these dynamic disciplines. This second edition includes a vast range of terms and concepts dealing with biochemistry, cell and developmental biology, immunology, hereditary diseases, and molecular evolution, through to the state-of-the-art in genomics and proteomics. The nearly 25,000 alphabetically arranged entries are explained in a concise yet detailed manner, including ample cross-references, literature citations, databases, tables, and illustrations.

The Dictionary of Gene Technology

Ever since the International Human Genome Project achieved its extraordinary goal of sequencing and mapping the entire human genome, represented by approximately 3 billion base pairs, with its far-reaching implications for understanding the causes of human genetic disorders and their diagnosis, progress in the field has not slowed down. In the fifth edition of the bestselling Color Atlas of Genetics, readers will be rewarded with a complete and current overview of the field, with an

emphasis on the interface between fundamental principles and practical applications in medicine and the role of signaling pathways in causing diseases. Using the acclaimed Flexibook format designed for easy visual learning and retention, the atlas is invaluable for students, clinicians, and scientists interested in staying up to date in this fast-evolving area. New fully illustrated topics in the revised fifth edition of the atlas include: An overview of disorders resulting from structural changes of the genome (genomic disorders) Abnormal imprinting patterns Examples of impaired signal pathways (laminopathies, fibrillinopathies, cohesinopathies, and others) The CRISPR-Cas system Genetic features of the aging processes Disorders due to rearrangements of chromatin in the cell nucleus, and others With almost 200 stunning color plates explained by concise texts on the opposite pages, including tables presenting useful data, a glossary of terms, key references, and online resources, the atlas presents clear and accessible concepts. It is an excellent refresher for investigators in any field of medicine or biology.

Encyclopedia of Molecular Biology and Molecular Medicine, Plasmids to Synthetic Peptide and Nonpeptide Combinatorial Libraries

Genomics and Personalized Medicine

An annotated bibliography listing general reference works as well as those on social sciences, humanities, and science and technology

Encyclopedia of Molecular Biology and Molecular Medicine

The most comprehensive, detailed, one-stop reference to molecular biology and molecular medicine today, this six-volume encyclopedia comprises nearly 300 self-contained and clearly written articles on genetic screening, gene therapy, structural biology, and the technology and findings of the Human Genome Project.

A Dictionary of Genetics

Contains approximately 20,000 mostly English language sources for academic libraries of all sizes.

Encyclopedia of Genetics, Genomics, Proteomics, and Informatics

Encyclopedic Dictionary of Plant Breeding and Related Subjects

This six volume Encyclopedia is the most comprehensive, detailed treatment of molecular biology and molecular medicine available today! The Encyclopedia provides a single-source library of molecular genetics and the molecular basis of life, with a focus on molecular medicine. Genetic screening, gene therapy, structural biology, and the technology and findings of the Human Genome Project are discussed in detail. The articles that comprise the set are designed as self-contained treatments. Each of the nearly 300 articles begins with an outline and a key word section which includes definitions. These features assist the scientist or student who is unfamiliar with a specific subject area. A glossary of basic terms completes each volume and defines the most commonly used terms in molecular biology. Together with the introductory illustrations found in each volume, these definitions enable readers to understand articles without referring to a dictionary, textbook, or other reference.

Brenner's Encyclopedia of Genetics

Available in print and online, this unique reference brings together all four fields of genetics, genomics, proteomics, and bioinformatics to meet your dynamic research requirements. It brings together the latest concepts in these vibrant areas and ensures a truly multidisciplinary approach. Topics include genetic variation and evolution, epigenetics, the human genome, expression profiling, proteome families, structural proteomics, gene finding/gene structure, protein function and annotation, and more. The work incorporates a vast amount of topical information, profiles cutting-edge techniques, and presents the very latest findings from an international team of over five hundred contributors. With articles for both students and more experienced scientists, this is a key reference source for everyone. Contains more than 450 articles covering all aspects of genomics, proteomics, bioinformatics and related technologies Includes a glossary containing over 550 clear and concise definitions "I am pleased to recommend it heartily as a essential reference tool...should remain the definitive work...for many years to come." THE CHEMICAL EDUCATOR "Jorde...and co-editors have done a remarkable job in coordinating this information, distilling it into a package that is both easy to navigate and over-flowing in discovery." ELECTRIC REVIEW

Quantitative Genetics, Genomics, and Plant Breeding

Chambers Encyclopedic English Dictionary

Modern genetics began in 1900 with the rediscovery of Mendel's paper, and now the sequencing of the human genome has

brought the first century of progress in this field to a triumphant conclusion. Genetics has entered a new era with the advent of genomic and proteomic approaches, and the knowledge in no other biological discipline is advancing as rapidly as that in molecular genetics and cell biology. Proliferation of new terms inevitably accompanies such exponential growth. The sixth edition of A Dictionary of Genetics addresses the need of students and professionals to have access to an up-to-date reference source that defines not only the most recently coined terms, but in many cases also presents important ancillary encyclopedic information. A Dictionary of Genetics has a broader coverage than its name implies, since it includes definitions of strictly genetic words along with a variety of non-genetic terms often encountered in the literature of genetics. There are about 7,000 definitions, and tables or drawings that illustrate 395 of these. In addition to the main body of the dictionary, this work features new Appendices covering the genomic sizes and gene numbers of about 30 organisms ranging from the smallest known virus to humans, an up-to-date listing of internet addresses for easy access to genetic databanks, and a list of developments, inventions and advances in genetics, cytology, and evolutionary science from the past 400 years. These 900 entries, covering a period from 1590 to 2001, are also cross-referenced in the definitions that occur in the body of the dictionary. No other genetics dictionary supplies definitions cross-referenced to chronology entries or has species entries cross-referenced to an appendix showing the position of each organism in a taxonomic hierarchy. These features make A Dictionary of Genetics the most important lexicon in this field.

Bowker's Best Reference Books: Author index. Title index

This book presents state-of-the-art, authoritative chapters on contemporary issues in the broad areas of quantitative genetics, genomics and plant breeding. Section 1 (Chapters 2 to 12) emphasizes the application of genomics, and genome and epigenome editing techniques, in plant breeding; bioinformatics; quantitative trait loci mapping; and the latest approaches of examining and exploiting genotype-environment interactions. Section 2 (Chapters 13 to 20) represents the intersection of breeding, genetics and genomics. This section describes the use of cutting-edge molecular breeding and quantitative genetics techniques in wheat, rice, maize, root and tuber crops and pearl millet. Overall, the book focuses on using genomic information to help evaluate traits that can combat biotic/abiotic stresses, genome-wide association mapping, high-throughput genotyping/phenotyping, biofortification, use of big data, orphan crops, and gene editing techniques. The examples featured are taken from across crop science research and cover a wide geographical base.

Encyclopedia of Genetics, Genomics, Proteomics and Bioinformatics, 8 Volume Set

This six volume Encyclopedia is the most comprehensive, detailed treatment of molecular biology and molecular medicine available today! The Encyclopedia provides a single-source library of molecular genetics and the molecular basis of life, with a focus on molecular medicine. Genetic screening, gene therapy, structural biology, and the technology and findings of the

Human Genome Project are discussed in detail. The articles that comprise the set are designed as self-contained treatments. Each of the nearly 300 articles begins with an outline and a key word section which includes definitions. These features assist the scientist or student who is unfamiliar with a specific subject area. A glossary of basic terms completes each volume and defines the most commonly used terms in molecular biology. Together with the introductory illustrations found in each volume, these definitions enable readers to understand articles without referring to a dictionary, textbook, or other reference.

Saunders Dictionary & Encyclopedia of Laboratory Medicine and Technology

Using the Biological Literature

In 2001 the Human Genome Project succeeded in mapping the DNA of humans. This landmark accomplishment launched the field of genomics, the integrated study of all the genes in the human body and the related biomedical interventions that can be tailored to benefit a person's health. Today genomics, part of a larger movement toward personalized medicine, is poised to revolutionize health care. By cross-referencing an individual's genetic sequence -- their genome -- against known elements of "Big Data," elements of genomics are already being incorporated on a widespread basis, including prenatal disease screening and targeted cancer treatments. With more innovations soon to arrive at the bedside, the promise of the genomics revolution is limitless. This entry in the What Everyone Needs to Know series offers an authoritative resource on the prospects and realities of genomics and personalized medicine. As this science continues to alter traditional medical paradigms, consumers are faced with additional options and more complicated decisions regarding their health care. This book provides the essential information everyone needs.

The New Walford

Defines and explains terms and jargon associated with plant breeding, including those in such areas as agronomy, seed production, genetics, biotechnology, botany, and ecology.

Quantitative Genetics, Genomics and Plant Breeding, 2nd Edition

This six volume Encyclopedia is the most comprehensive, detailed treatment of molecular biology and molecular medicine available today! The Encyclopedia provides a single-source library of molecular genetics and the molecular basis of life, with a focus on molecular medicine. Genetic screening, gene therapy, structural biology, and the technology and findings of the

Human Genome Project are discussed in detail. The articles that comprise the set are designed as self-contained treatments. Each of the nearly 300 articles begins with an outline and a key word section which includes definitions. These features assist the scientist or student who is unfamiliar with a specific subject area. A glossary of basic terms completes each volume and defines the most commonly used terms in molecular biology. Together with the introductory illustrations found in each volume, these definitions enable readers to understand articles without referring to a dictionary, textbook, or other reference.

A Dictionary of Genetics

Forthcoming Books

The publication of this fully updated edition of A Dictionary of Genetics coincides with the hundredth anniversary of the introduction of the term genetics by William Bateson in 1906 at the Third International Conference on Genetics. Since then genetics has made tremendous advances in knowledge and technique and now occupies a pivotal position in the life sciences as the most powerful means for probing fundamental questions in cell biology, development, and evolution. The determination of sequences of complete genomes, the study of gene expression and genetic variation on a global scale, and the ability to rapidly amplify gene sequences and to achieve targeted gene disruptions are just some examples of major achievements in this field. Proliferation of new terms inevitably accompanies such remarkable progress. This new edition of the Dictionary addresses the needs of students, educators, and clinical geneticists for an authoritative and up-to-date reference work that not only defines the latest terms, but in most cases, also presents important ancillary encyclopedic information. A Dictionary of Genetics is unique in that it includes terms from a wide range of disciplines which now intertwine with genetics, including molecular biology, cell biology, medicine, botany, and evolutionary studies. Its 7,000 cross-referenced definitions are supported by an excellent collection of line drawings, tables, and chemical formulae. One-fifth of the Dictionary is devoted to six appendices to which the definitions are cross-referenced and which contain an extraordinary trove of supplementary information. This includes a chronology of important advances spanning the years 1590 to 2005, lists of useful internet sites and periodicals, a classification of living organisms into an evolutionary hierarchy, and a sample table of genome sizes and gene numbers. These features make A Dictionary of Genetics a lexicon unparalleled in the field. For the first time, the Dictionary is available on Oxford Reference Online (ORO): Premium Collection!

American Reference Books Annual

Nature Encyclopedia of the Human Genome

Encyclopedic Dictionary of Genetics

Now in its fifth edition and for the first time available as an electronic product with all entries cross-linked. This very successful long-seller has once again been thoroughly updated and greatly expanded. It now contains over 13,000 entries, and comprehensively covering genomics, transcriptomics, and proteomics. Each entry contains an extensive explanation, including a comprehensive listing of synonyms and acronyms, and all formulas have been redrawn to create a uniform style, while most of the figures are custom designed for this dictionary. The ultimate reference for all terms in the -omics fields.

Encyclopedia of Molecular Biology and Molecular Medicine, Mass Spectrometry High Speed DNA Fragment Sizing to Plasma Lipoproteins

The biological sciences cover a broad array of literature types, from younger fields like molecular biology with its reliance on recent journal articles, genomic databases, and protocol manuals to classic fields such as taxonomy with its scattered literature found in monographs and journals from the past three centuries. Using the *Biological Literature: A Practical Guide, Fourth Edition* is an annotated guide to selected resources in the biological sciences, presenting a wide-ranging list of important sources. This completely revised edition contains numerous new resources and descriptions of all entries including textbooks. The guide emphasizes current materials in the English language and includes retrospective references for historical perspective and to provide access to the taxonomic literature. It covers both print and electronic resources including monographs, journals, databases, indexes and abstracting tools, websites, and associations—providing users with listings of authoritative informational resources of both classical and recently published works. With chapters devoted to each of the main fields in the basic biological sciences, this book offers a guide to the best and most up-to-date resources in biology. It is appropriate for anyone interested in searching the biological literature, from undergraduate students to faculty, researchers, and librarians. The guide includes a supplementary website dedicated to keeping URLs of electronic and web-based resources up to date, a popular feature continued from the third edition.

Book of Abstracts

"This book is the first volume of a series that succeeds Walford's guide to reference material, published in eight editions between 1959 and 2000 by Library Association Publishing"--V. 1, t.p. verso.

McGraw-Hill Concise Encyclopedia of Science & Technology

Encyclopedia of Molecular Biology and Molecular Medicine, Denaturation of DNA to Growth Factors

1970- issued in 2 vols.: v. 1, General reference, social sciences, history, economics, business; v. 2, Fine arts, humanities, science and engineering.

Encyclopedia of Bioinformatics and Computational Biology

Every 3rd issue is a quarterly cumulation.

American Book Publishing Record

This new third edition updates a best-selling encyclopedia. It includes about 56% more words than the 1,392-page second edition of 2003. The number of illustrations increased to almost 2,000 and their quality has improved by design and four colors. It includes approximately 1,800 current databases and web servers. This encyclopedia covers the basics and the latest in genomics, proteomics, genetic engineering, small RNAs, transcription factories, chromosome territories, stem cells, genetic networks, epigenetics, prions, hereditary diseases, and patents. Similar integrated information is not available in textbooks or on the Internet.

Book Review Index

Encyclopedia of Bioinformatics and Computational Biology: ABC of Bioinformatics combines elements of computer science, information technology, mathematics, statistics and biotechnology, providing the methodology and in silico solutions to mine biological data and processes. The book covers Theory, Topics and Applications, with a special focus on Integrative -omics and Systems Biology. The theoretical, methodological underpinnings of BCB, including phylogeny are covered, as are more current areas of focus, such as translational bioinformatics, cheminformatics, and environmental informatics. Finally, Applications provide guidance for commonly asked questions. This major reference work spans basic and cutting-edge methodologies authored by leaders in the field, providing an invaluable resource for students, scientists, professionals in research institutes, and a broad swath of researchers in biotechnology and the biomedical and pharmaceutical industries. Brings together information from computer science, information technology, mathematics, statistics and biotechnology

Written and reviewed by leading experts in the field, providing a unique and authoritative resource Focuses on the main theoretical and methodological concepts before expanding on specific topics and applications Includes interactive images, multimedia tools and crosslinking to further resources and databases

Encyclopedia of Molecular Biology and Molecular Medicine, Heart Failure, Genetic Basis of to Mammalian Genome

This six volume Encyclopedia is the most comprehensive, detailed treatment of molecular biology and molecular medicine available today! The Encyclopedia provides a single-source library of molecular genetics and the molecular basis of life, with a focus on molecular medicine. Genetic screening, gene therapy, structural biology, and the technology and findings of the Human Genome Project are discussed in detail. The articles that comprise the set are designed as self-contained treatments. Each of the nearly 300 articles begins with an outline and a key word section which includes definitions. These features assist the scientist or student who is unfamiliar with a specific subject area. A glossary of basic terms completes each volume and defines the most commonly used terms in molecular biology. Together with the introductory illustrations found in each volume, these definitions enable readers to understand articles without referring to a dictionary, textbook, or other reference.

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