

BIOLOGY RESOURCES

SELECTED REFERENCE BOOKS

Atlas of Human Anatomy – REF QM25 .N46 2003 Single-volume illustrated atlas of the human body, useful for clinical reference, patient education and personal study.

Biology – REF QH307.2 .B556 Four-volume reference providing a broad introduction to the field of biology, with in-depth concentration on a number of ideas and phenomena central to the biological process.

Concise Oxford Dictionary of Zoology -- REF QL9 .C66 1991 Dictionary of zoological terms. Also contains biographical entries. Subjects covered include: ecology, animal behavior, cell structure and function, genetics, etc.

Clinically Oriented Anatomy – QM23.2 .M67 2006 (circulation desk) Clinically-oriented text provides basic knowledge of the structure of the human body.

Dictionary of Bioinformatics and Computational Biology – REF QH324.2 .D53 2004 Provides definitions and explanations of 600 words, phrases and concepts of bioinformatics and computational biology.

Dictionary of Cell and Molecular Biology – REF QH575 .D535 1999 Dictionary of terms for molecular cell biology as well as other related disciplines.

Dictionary of Plant Genetics and Molecular Biology -- REF QK981 .M54 1998 Includes over 3,500 terms from various fields related to plant genetics and molecular biology.

Encyclopedia of Bioethics -- REF QH332 .E52 1995 Contains articles on bioethical issues as well as an appendix of codes, oaths, and directives related to bioethics.

Encyclopedia of Evolution -- REF QH360.2 .E54 2002 Includes essays on over-arching evolutionary topics as well as individual articles on all aspects of evolution.

Encyclopedia of Genetics -- REF QH427 .E53 1999 Contains articles, a time line of major developments in genetics, a biographical dictionary of significant geneticists, and a glossary.

Encyclopedia of Molecular Biology -- REF QH506 .E53 1994 Over 6000 entries relating to molecular life science.

Facts on File Dictionary of Biology -- REF QH302.5 .F38 1999 Contains approximately 3,000 entries explaining commonly used terms in the biological sciences.

Genetics -- REF QH427 .G46 2003 Contains entries on genetics and related subjects as well as a glossary.

Gray's Anatomy -- REF QM23.2 .G73 2005 Classic anatomy reference.

Grzimek's Animal Life Encyclopedia REF QL7 .G7813 2004 Seventeen-volume set covers all types of animals in geographic areas around the world; includes photographs, illustrations and a comprehensive index.

Latin Names Explained: A Guide to the Scientific Classification of Reptiles, Birds & Mammals -- REF QL9 .G67 1996 Guide providing taxonomic information on animal species, including translations of Latin terms. English and Latin names are cross-indexed.

McGraw-Hill Dictionary of Biosciences -- REF QH302.5 .M382 1997 Contains over 17,000 terms on the biosciences as well as several tables included in an appendix.

E-JOURNALS

BMC Developmental Biology <http://www.pubmedcentral.nih.gov/tocrender.fcgi?journal=23>
Original research articles on all aspects of cellular, tissue-level and organismal aspects of development.

BMC Evolutionary Biology <http://www.pubmedcentral.nih.gov/tocrender.fcgi?journal=28>
Original research articles for the fields of molecular and non-molecular evolution of all organisms as well as phylogenetics and paleontology.

BMC Structural Biology <http://www.pubmedcentral.nih.gov/tocrender.fcgi?journal=65>
Journal containing original research articles "in investigations into the structure and function of biological macromolecules."

Experimental and Molecular Medicine <http://www.e-emmm.org/> "Research papers and a limited number of mini-reviews in the fields of basic and applied molecular biology, and experimental biochemistry in medicine."

Health & Medical Science Serials <http://www.ipl.org/div/serials/browse/hea00.00.00/>
Internet Public Library index to online health and medical sciences journals, including subject directories.

Journal of Cell Biology <http://www.jcb.org/> Published by the Rockefeller University Press, this peer-reviewed journal offers current research and reviews in the field of cell biology.

WEB SITES

All the Virology on the WWW <http://www.tulane.edu/~dmsander/garryfavweb.html>

Exhaustive and well-organized site maintained by a researcher at Tulane University Medical School. Includes links to a huge number of sites. It also contains tutorials as well as images of viruses.

Biology Online <http://www.biology-online.org/> Site includes an online dictionary, tutorials, and an extensive array of annotated links.

Biosystematics & the U.S. National Parasite Collection

<http://www.lpsi.barc.usda.gov/bnpcu/> Database of information and images of parasites from the USDA.

Gray's Anatomy of the Human Body <http://www.bartleby.com/107/> Full-text of the 1918 edition of Henry Gray's *Anatomy of the Human Body*.

Human Genome Project http://www.ornl.gov/TechResources/Human_Genome/

From the Oak Ridge National Laboratory, this site provides information about the Human Genome Project (which has the goal of "identifying all of the approximately 30,000 genes in human DNA") and covers genomics as well.

Integrated Taxonomic Information System <http://www.itis.usda.gov> Provides "authoritative taxonomic information on plants, animals, fungi, and microbes of North America and the world."

UCMP Glossary <http://www.ucmp.berkeley.edu/glossary/glossary.html>

Glossary of biological terms from the University of California Museum of Paleontology covering such topics as biochemistry, cell biology, ecology, zoology and botany.

Visible Human Project http://www.nlm.nih.gov/research/visible/visible_human.html

It is creating a complete, anatomically detailed, three-dimensional representations of the male and female human body. The current phase of the project is collecting transverse CT, MRI and cryosection images of representative male and female cadavers at one millimeter intervals.

World Biodiversity Database <http://www.eti.uva.nl/Database/WBD.html> A database containing taxonomic information, species names, descriptions and illustration. The WBD's goal is to document all known species.

LOCAL RESOURCES

Biology at D'Youville <http://virtual.dyc.edu/%7Ebiology/> D'Youville's Biology Department web site.

Buffalo Museum of Science/Science Divisions

http://www.sciencebuff.org/research_collections.php A non-profit educational institute dedicated to the study and interpretation of the natural and physical sciences.

PROFESSIONAL ORGANIZATIONS

American Institute of Biological Sciences <http://www.aibs.org/core/index.html> Non-profit scientific organization for a variety of disciplines in the field of biology.

American Society for Biochemistry and Molecular Biology
<http://www.asbmb.org/ASBMB/site.nsf> Non-profit scientific and educational organization with over 11,100 members. Also offers student memberships.

American Society of Human Genetics <http://www.faseb.org/genetics/ashg/ashgmenu.htm>
Primary professional membership organization for human geneticists in America.

American Society for Microbiology <http://www.asm.org/> Representing 25 disciplines of microbiological specialization, the ASM is “the oldest and largest life science membership organization in the world.”

Federation of American Societies for Experimental Biology <http://www.faseb.org/>
“FASEB is a coalition of independent Member Societies that serve the interests of biomedical and life scientists, particularly those related to public policy issues.”

Genetics Society of America <http://www.genetics-gsa.org/> Society for scientists and academicians interested in the field of genetics studies