APPENDIX

SELECTED WORLD WIDE WEB SITES

The following is a list of Web sites that readers may find useful. The sites have been visited at various times by one of the authors (RKM). Most are located in the USA, but many provide extensive links to international sites and to databases (eg, for protein and nucleic acid sequences) and online journals. RKM would be grateful if readers who find other useful sites would notify him of their URLs by e-mail (rmurray6745@rogers. com) so that they may be considered for inclusion in future editions of this text.

Readers should note that URLs may change or cease to exist.

ACCESS TO THE BIOMEDICAL LITERATURE

HighWire Press: http://highwire.stanford.edu

(Extensive lists of various classes of journals—biology, medicine, etc—and offers also the most extensive list of journals with free online access.)

National Library of Medicine: http://www.nlm.nih.gov/

(Free access to Medline via PubMed.)

GENERAL RESOURCE SITES

The Biology Project (from the University of Arizona): http://www.biology.arizona.edu/default.html

Harvard Department of Molecular & Cellular Biology Links: http://mcb.harvard.edu/BioLinks.html

SITES ON SPECIFIC TOPICS

American Heart Association: http://www.americanheart.org

(Useful information on nutrition, on the role of various biomolecules—eg, cholesterol, lipoproteins—in heart disease, and on the major cardiovascular diseases.)

Cancer Genome Anatomy Project (CGAP): http://www.ncbi.nlm.nih.gov/ncicgap

(An interdisciplinary program to generate the information and technical tools needed to decipher the molecular anatomy of the cancer cell.)

European Bioinformatics Institute: http://www.ebi.ac.uk/ebi_home.html

(Maintains the EMBL Nucleotide and SWISS-PROT databases as well as other databases.)

GeneCards: http://bioinformatics.weizmann.ac.il/cards/

(A database of human genes, their products, and their involvements in diseases. From the Weizmann Institute of Science.)

GeneTestsGeneClinics: http://www.geneclinics.org/

(A medical genetics information resource with comprehensive articles on many genetic diseases.)

Genes and Disease: http://www.ncbi.nlm.nih.gov/disease/

(Coverage of the genetic basis of many different types of diseases.)

The Glycoscience Network (TGN): http://www.vei.co.uk/TGN/tgn_side.htm

(TGN is an informal worldwide grouping of scientists who share an interest in carbohydrates. The site contains considerable information on carbohydrates and an extensive list of links to other sites dealing with sugar-containing molecules).

Howard Hughes Medical Institute: http://www.hhmi.org/

(An excellent site for following current biomedical research. Contains a comprehensive Research News Archive.)

The Human Gene Mutation Database: http://archive.uwcm.ac.uk/uwcm/mg/hgmd0.html

(An extensive tabulation of mutations in human genes from the Institute of Medical Genetics in Cardiff, Wales.)

Human Genome Project Information: http://www.ornl.gov/hgmis/

(From the Human Genome Program of the United States Department of Energy.)

The Institute for Genetic Research: http://www.tigr.org/

(Sequences of various bacterial genomes and other information.)

Karolinska Institute Nutritional and Metabolic Diseases: http://www.mic.ki.se/Diseases/c18.html

(Access to information on many nutritional and metabolic disorders.)

MITOMAP: http://www.mitomap.org/

(A human mitochondrial genome database.)

National Center for Biotechnology Information: http://ncbi.nlm.nih.gov/

(Information on molecular biology and how molecular processes affect human health and disease.)

National Human Genome Research Institute: http://www.genome.gov/

(Extensive information about the Human Genome Project.)

National Institutes of Health (NIH): http://www.nih.gov/

(Includes links to the separate Institutes and Centers that constitute NIH, covering a wide range of biomedical research.)

Neuroscience (Biosciences): http://neuro.med.cornell.edu/VL/

(A comprehensive list of neuroscience resources; part of the World-Wide Web Virtual Library.)

Office of Rare Diseases: http://rarediseases.info.nih.gov/index_main.html

(Access to information on more than 7000 rare diseases, including current research.)

OMIM Home Page—Online Mendelian Inheritance in Man: http://www.ncbi.nlm.nih.gov/omim/

(An extensive catalog of human genetic disorders, updated daily. Lists access to various allied resources.)

Protein Data Bank (PDB): http://www.rcsb.org/pdb/

(A worldwide repository for the processing and distribution of three-dimensional biologic macromolecular structure data.)

The Protein Kinase Resource: http://pkr.sdsc.edu/html/index.shtml

(Information on the protein kinase family of enzymes.)

The Protein Society: http://www.faseb.org/protein/index.html

(An extensive list of Web resources for protein scientists.)

Signaling Update: http://www.signaling-update.org/

(A one-stop overview for the specialist or nonspecialist of what is happening in cell signaling.)

Society for Endocrinology: http://www.endocrinology.org

(Aims to promote advancement of public education in endocrinology. Contains a number of articles on endocrinology and a list of links to other relevant sites.)

tbase—the Transgenic/Targeted Mutation Database at the Jackson Laboratory, Bar Harbor, Maine: http://tbase.jax.org/

(An attempt to organize information on transgenic animals and targeted mutations generated and analyzed worldwide.)

The Wellcome Trust Sanger Institute: http://www.sanger.ac.uk

(A genome research center whose purpose it is to increase knowledge of genomes, particularly through large-scale sequencing and analysis.)

Whitehead Institute/MIT Center for Genome Research: http://www.genome.wi.mit.edu/

(Access to various databases and articles entitled "What's New in Genome Research.")

Chapter 2

http://www.geocities.com/bioelectrochemistry/sorensen.htm

Chapter 3

http: //www.bio.cmu.edu/Courses/03231

http: //www.bcbp.gu.se/~orjan/bmstruct/

Chapter 4

http://www.lundberg.bcbp.gu.se/~orjan/bmstruct/

Chapter 5

http://www.umass.edu/microbio/chime/explorer/

http://molvis.sdsc.edu/protexpl/index.htm

http://www.umass.edu/microbio/rasmol/

http://www.cryst.bbk.ac.uk/PPS2/course/section10/membrane.html

http://molbio.info.nih.gov/cgi-bin/pdb/

http://www.mc.vanderbilt.edu/peds/pidl/genetic/ehlers.htm

Chapter 6

http://sickle.bwh.harvard.edu/

http://globin.cse.psu.edu/

Chapter 7

http://s02.middlebury.edu/CH441A/EnzymeTutorials.html

http://www.i-a-s.de/IAS/botanik/e18/18.htm

Chapter 8

http://www.indstate.edu/thcme/mwking/enzyme-kinetics.html

http://ntri.tamuk.edu/cell/kinetics.html

Chapter 9

http://users.wmin.ac.uk/~mellerj/physiology/bernard.htm

http://www.cm.utexas.edu/academic/courses/Fall2001/CH369/LEC06/Lec6.htm

http://www.cellularsignaling.org

http://arethusa.unh.edu/bchm752/ppthtml/Jan27/sld015.htm

Chapter 22

http://www.auhs.edu/netbiochem/NetWelco.htm

Chapter 28

http://www.people.virginia.edu/~rjh9u/scurvy.html

http://www.mc.vanderbilt.edu/biolib/hc/journeys/scurvy.html

http://opbs.okstate.edu/~melcher/MG/MGW2/MG2411.html

Chapter 29

http://www.nucdf.org/whatis.htm

Chapter 30

http://www.pkunetwork.org/

http://www.rarediseases.org/search/rdblist.html

http://www.msud-support.org/overv.htm

Chapter 34

http://www.rarediseases.org/search/rdblist.html

http://www.rheumatology.org/patients/factsheet/gout.html

http://www.merck.com/pubs/mmanual/section5/chapter55/55a.htm

http://www.nlm.nih.gov/medlineplus/goutandpseudogout.html

http://www.amg.gda.pl/~essppmm/ppd/ppd_py_umps.html

BIOCHEMICAL JOURNALS AND REVIEWS

The following is a partial list of biochemistry journals and review series and of some biomedical journals that contain biochemical articles. Biochemistry and biology journals now usually have Web sites, often with useful links, and some journals are fully accessible without charge. The reader can obtain the URLs for the following by using a search engine.

Annual Reviews of Biochemistry, Cell and Developmental Biology, Genetics, Genomics and Human Genetics

Archives of Biochemistry and Biophysics (Arch Biochem Biophys)

Biochemical and Biophysical Research Communications (Biochem Biophys Res Commun)

Biochemical Journal (Biochem J)

Biochemistry (Biochemistry)

Biochemistry (Moscow) (Biochemistry [Mosc])

Biochimica et Biophysica Acta (Biochim Biophys Acta)

Biochimie (Biochimie)

European Journal of Biochemistry (Eur J Biochem)

Indian Journal of Biochemistry and Biophysics (Indian J Biochem Biophys)

Journal of Biochemistry (Tokyo) (J Biochem [Tokyo])

Journal of Biological Chemistry (J Biol Chem)

Journal of Clinical Investigation (J Clin Invest)

Journal of Lipid Research (J Lipid Res)

Nature (Nature)

Nature Genetics (Nat Genet)

Proceedings of the National Academy of Sciences USA (Proc Natl Acad Sci USA)

Science (Science)

Trends in Biochemical Sciences (Trends Biochem Sci)

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Note: Page numbers in bold face type indicate a major discussion. A *t* following a page number indicates tabular material and an *f* following a page number indicates a figure.