

Basic Resources for Biomedical Engineering

Listed on Library homepage under Databases by Name, A-Z:

*Access Science—Encyclopedia of Science & Technology online
Research updates, Features: “Medicine” heading

*Credo Reference (medical dictionaries)

*Kirk-Othmer Encyclopedia of Chemical Technology
—“hot” topics in applied chemical science, including biotechnology

At the Engineering & Science Library:

*Annual Review of Biomedical Engineering Find under this no.: R856 .A1A573
Also available online: <http://bioeng.AnnualReviews.org/>

*Critical Reviews in Biomedical Engineering Find alphabetically by title

*Encyclopedia of Biomaterials and Biomedical Engineering
R857 .M3E63 2004, 2 volumes, found in the Reference Books area

*Encyclopedia of Medical Devices and Instrumentation
<http://www3.interscience.wiley.com/cgi-bin/mrwhome/112102158/HOME>

PubMed & MEDLINE

*What’s the Difference Between MEDLINE and PubMed?
http://www.nlm.nih.gov/pubs/factsheets/dif_med_pub.html

*PubMed and Medical Subject Headings—(MeSH) tutorials
<http://www.nlm.nih.gov/bsd/disted/pubmed.html>

*NCBI—National Center for Biotechnology Information
All Databases search page: <http://www.ncbi.nlm.nih.gov/sites/gquery>

MEDLINE access at Carnegie Mellon

--via **PubMed**

--**FirstSearch** databases: “List All Databases” to combine any with MEDLINE

--**ISI Web of Knowledge** databases: Includes Old MEDLINE 1950-1965

--**Scifinder Scholar**: MEDLINE included in CA-Chemical Abstracts database

--via **MetaLib**: Use Custom search to search MEDLINE along with other databases

*Select online resources and databases
Biomedical Engineering/Surgery for Engineers:*

BioMed Central <http://www.biomedcentral.com/>

Open access to peer-reviewed biomedical research

BioMedical Engineering Online

<http://www.biomedical-engineering-online.com/home/>

An open access, peer-reviewed, online journal

Google Scholar <http://scholar.google.com/>

Try the Advanced Scholar Search. Look for “Carnegie Mellon Links”

Health Sciences Library System – University of Pittsburgh & UPMC

<http://www.hsls.pitt.edu/> -- Quick links to medical resources

IEEE Xplore <http://ieeexplore.ieee.org/Xplore/dynhome.jsp>

includes access to IEEE Transactions on Biomedical Engineering and

Proceedings for the International Conference on Biomedical Robotics and Biomechatronics

JAMA Journal of the American Medical Association

<http://www.jama.ama-assn.org> available online only from 3 specific University Libraries PCs

Mayo Clinic Clinical Trials <http://clinicaltrials.mayo.edu/>

Current studies for particular conditions/diseases

National Library of Medicine <http://www.nlm.nih.gov/biomedical.html>

Biomedical Research & Information guide

New England Journal of Medicine <http://content.nejm.org/>

available online only from 3 specific University Libraries PCs

PubMed Central <http://www.pubmedcentral.nih.gov/>

NIH free digital archive of biomedical and life sciences journal literature

Synthesis Digital Library of Engineering & Computer Science

<http://www.morganclaypool.com/toc/bme/1/1>

Lectures on Biomedical Engineering

U.S. Patents <http://www.uspto.gov/> United States Patent & Trademark Office

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