

Biomedical Engineering Technology: Internet Resource Guide October 2009

Websites

- **BME Hotlists-** <http://www.bme.jhu.edu/bmehotlist.htm>
The Johns Hopkins University Department of Biomedical Engineering's links to biomedical engineering servers, departments, societies, journals, and labs.
- **BioMedNet-** <http://www.bmn.com>
BioMedNet is an evaluated and annotated database of Internet Sites for biological and medical researchers. Membership is free, however registration is required. (El Sevier's portal)
- **BioMed Central-** <http://www.biomedcentral.com>
BioMed Central publishes peer-reviewed articles in the areas of biology and medicine.
- **National Institute of Biomedical Imaging and Bioengineering-**
<http://www.nibib.nih.gov/>
NIBIB at the National Institutes of Health contains news, event calendars, and funding opportunities and information on BECON (Bioengineering Consortium).
- **National Science Foundation-** <http://www.nsf.gov/div/index.jsp?div=CBET>
Chemical, Bioengineering, Environmental and Transport Systems Research
- **ASME Nanotechnology Institute-** <http://www.nanotechnologyinstitute.org>
National Nanotechnology Initiative- <http://www.nano.gov/>
Biocomplexity in the Environment- <http://www.eng.nsf.gov/be/>
- **ChemBioFinder.com**
<http://chembiofinder.com/SimpleSearch.aspx>
This scientific database gateway links to many other Internet resources in the fields of biochemistry, health/medicine, chemical structures and usage.
- **Infomine**
<http://infomine.ucr.edu/>
INFOMINE is a virtual library of Internet resources relevant to faculty, students, and research staff at the university level. It contains useful Internet resources such as databases, electronic journals, electronic books, bulletin boards, mailing lists, online library card catalogs, articles, directories of researchers, and many other types of information.

- National Center for Biotechnology Information
<http://preview.ncbi.nlm.nih.gov/guide/>
Links to GenBank and other promising resources from the National Library of Medicine and the National Institutes of Health.
- The Virtual Library: Biosciences Search engine
<http://vlib.org/Biosciences.html>
The Virtual Library is the oldest catalog on the web, compiled by volunteers. This directory covers biotechnology, botany, medicine, microbiology and zoology.

Professional Associations & Foundations

The American Association for the Advancement of Science (AAAS)
<http://www.aaas.org>

The American Institute of Biological Sciences (AIBS)
<http://www.aibs.org>

American Society of Biomechanics
<http://abs-biomech.org>

The purpose of the Society is to provide a forum for the exchange of information and ideas among researchers in biomechanics.

Biomedical Engineering Society
<http://www.bmes.org>

National Academy of Sciences (NAS)
<http://www.nas.edu>

Committees of experts in all areas of scientific and technological endeavors.

Engineering in Medicine and Biology Society of the IEEE-
<http://www.embs.org/>

Advances the application of engineering sciences and technology to medicine and biology, promotes the profession, and provides global leadership for the benefit of its members and humanity by disseminating knowledge, setting standards, fostering professional development, and recognizing excellence.

BioDevices Biz- <http://www.biodevicesbiz.com/>

A central hub for the biomedical industry through portals and marketplaces. The sectors covered therapeutics/biopharmaceuticals, agrifood, devices, and diagnostics. Medical devices and diagnostics portal and B2B marketplace.

Bioengineering of Skeletal Tissues Team_ <http://www.mshri.on.ca/bestt/>
Develops new approaches for the treatment of damaged joints, therapeutics/biopharmaceuticals, agrifood devices, and diagnostics.

The Whitaker Foundation- <http://www.whitaker.org>

The Whitaker Foundation is a private, non-profit foundation dedicated to improving health through bioengineering. The site contains information on jobs, grant programs, and academic programs in the field.

Online Journals

PubMed <http://www.ncbi.nlm.nih.gov/pubmed/>

A digital archive of life sciences journal literature developed and managed by the National Center for Biotechnology Information (NCBI) at the National Library of Medicine Entrez the Life Sciences Search Engine, provides access to books, journals, web and FTP sites.

Electronic Databases

First Search → <http://www.mir.devry.edu/data.html>

BioDigest

Provides detailed abstracts to over 600 sources in the life sciences (botany, environmental science, health, medicine, and zoology)
1989 to present

EbscoHost →

Academic Search Premier

This multi-disciplinary database provides full text for more than 4,650 journals, including full text for more than 3,900 peer-reviewed titles. PDF backfiles to 1975 or further are available for well over one hundred journals, and searchable cited references are provided for more than 1,000 titles.

Agricola

This database contains bibliographic records from the U.S. Department of Agriculture's National Agricultural Library. Coverage for *AGRICOLA* dates back to 1970 and includes more than 4.6 million citations. The citations are comprised of journal articles, monographs, theses, patents, software, audiovisual materials, and technical reports related to agriculture.

Cumulative Index to Nursing and Allied Health Literature Full Text

CINAHL Plus with Full Text is the world's most comprehensive source of full text for nursing & allied health journals, providing full text for more than 750 journals indexed in *CINAHL*.

Medline with Full Text

MEDLINE with Full Text is the world's most comprehensive source of full text for medical journals, providing full text for more than 1,470 journals indexed in *MEDLINE*. Of those, more than 1,450 have cover-to-cover indexing in *MEDLINE*.