



## The Gustave L. & Janet W. Levy Library • Mount Sinai School of Medicine

Reference Desk (212) 241-7793 • <http://www.mssm.edu/library>

# Core Resources for the Biological Sciences

## Databases

The library licenses over 75 databases. Visit the Databases page to locate databases by subject, keyword or title. Click the Databases button on the Levy Library homepage, or go directly to:

<http://fusion.mssm.edu/levy/databases>

### MEDLINE from PubMed

MEDLINE is National Library of Medicine's premier bibliographic database covering the fields of medicine, nursing, dentistry, veterinary medicine, and the pre-clinical sciences. PubMed is our preferred interface for searching MEDLINE at Mount Sinai.

### **Search Tips:**

- MeSH database - subject searching, focus on specific aspect of a topic
- Limits - limit search by publication type, publication date
- Field Searching – ex: Smith[au] JAMA[jour] sinai[aff]
- Author Search - last name (space) first initial middle initial (no punctuation) – ex: Smith AB

### **Key Tools and Features:**

- Journals Database - find out the full name from an abbreviation
- Single Citation Matcher - retrieve one study given certain criteria
- Clipboard - temporary saving space while doing searches
- My NCBI- save and rerun searches; have new citations emailed to you

### **Display:**

- Display in Abstract or Citation format to view **LinkOut** (blue) and **FIND IT** (yellow) buttons
- Display in MEDLINE format to export to reference management programs

### **Full Text:**

- **LinkOut:** Levy Library has enabled this PubMed service, which allows users to link directly to the full text of designated articles
- **FIND IT:** Levy Library's OpenURL service provides a path to full-text for all of the online journals licensed by the Library, including over 1,600 e-journals that are not available through LinkOut. FIND IT retrieves links to the article and/or e-journal (if available); links to a Levy Library Catalog search for print material, and links to an interlibrary loan request form.

**Note:** Levy Library has also enabled the FIND IT service in other databases such as: Google Scholar, PsycINFO, ProQuest Direct, Web of Science, and RefWorks. EndNote users can configure their EndNote databases to use our OpenURL service.

**For More Info on PubMed:** View our **PubMed Tutorial** available at:

<http://www.mssm.edu/library/tutorials/pubmed.html>

### Reference Management service- RefWorks

The library provides access to a web based bibliographic citation manager called RefWorks. RefWorks allows you to create a personal database containing the references for your research project. You can import citations from online databases, format your manuscript and bibliography, and insert footnotes into your paper. Because it is web based, you may access your database from any computer with Internet access. Also, multiple users may be logged in to one account simultaneously. You can also connect directly from your RefWorks references to the Levy Library's copy of full text articles by clicking the Levy Library Linker icon.

**Access RefWorks:** While on campus, go to <http://www.refworks.com> or click the link under **Citation Indexes** on the Databases page. For off-campus access use the link on the Databases page or go directly to [www.refworks.com](http://www.refworks.com) and enter our Mount Sinai RefWorks group code. The group code is emailed to you when you sign up for an account.

## **Citation Indexes:**

### **Web of Knowledge**

- **Web of Science:**

The Web of Science database provides Web access to the citation indexes of the Institute for Scientific Information (ISI). Web of Science is one of the most powerful tools in scholarly research. Use this database to search for the number of times an article has been cited, identify highly cited authors, view the bibliographies of articles, and to trace the evolution of a topic. The **Cited Reference Search** is unique to this database. We've enabled the Library's yellow FIND IT button in Web of Science.

- **Journal Citation Reports**

JCR is another unique tool: it delivers quantifiable statistical data about scientific journals. The **Impact Factor** provides a systematic, objective way to determine the relative importance of journals within their subject categories. Both the Science Edition covering about 5,000 leading international science journals and the Social Sciences Edition covering about 1,600 leading international social sciences journals are available.

### **Google Scholar**

Google Scholar can be useful if you want just one good article or need to do a quick citation search. We've enable our OpenURL service in Google Scholar—but if you're off campus you won't get the OpenURL links unless you access it from our Databases page. Look for a link to [Resources at Levy Library](#) or [Full-Text at Levy Library](#) with the journal articles; the link opens up to the Levy Library FIND IT page. You can also set Google Scholar preferences to export citations to RefWorks or EndNote.

## **Science and Technology: Specialized Databases**

### **Agricola**

AGRICOLA serves as the catalog and index to the collections of the National Agricultural Library. It includes citations to publications encompassing all aspects of agriculture and allied disciplines, including animal sciences.

### **SciFinder Scholar**

A search platform from CAS, a division of the American Chemical Society, that incorporates CAS citations to the chemical literature as well as structure databases. Search by topic, author name, substance identifier, chemical structure and/or chemical reaction. SciFinder Scholar also provides structure and substructure drawing applications, as well as tools for structure similarity searching.

## **Science and Technology: Current Awareness**

### **Faculty of 1000 Biology and Faculty of 1000 Medicine**

Literature awareness tools that aim to provide a rapidly updated consensus map of the important papers and trends.

### **Science's STKE: Signal Transduction Knowledge Environment**

A knowledge management tool designed to piece together insights from the complex and vital discipline of biological signal transduction research. Contains articles, online community forums, resources, and "what's new this week".

## **Graduate Science Education**

### **Science's Next Wave**

From the American Association for the Advancement of Science, Science's Next Wave is a weekly publication covering scientific training, career development, and the science job market.

## **Full-Text E- Books & E-Book Collections**

The library licenses over 500 core medical and science e-Books and provides access to thousands of additional titles through e-Book collections. Visit the E-books page at: <http://fusion.mssm.edu/levy/ebooks> linked under **HIGHLIGHTS** on the library's webpage) to locate books by keyword, title, or subject.

## **Research Protocols:**

### **Current Protocols:** (from Wiley InterScience):

The web versions of the loose-leaf laboratory manuals. *Current Protocols in Bioinformatics, Cell Biology, Cytometry, Food Chemistry, Human Genetics, Immunology, Magnetic Resonance Imaging, Molecular Biology, Neuroscience, Nucleic Acid Chemistry, Protein Science, and Toxicology* provide researchers with tested laboratory procedures. Updated quarterly for each subject.

**Note:** Many times a protocol is not in the manual you would expect. To search all the Current Protocols manuals:

1. Click on [Wiley InterScience](#) rather than on a manual title
2. Look for "Browse by Product Type" and click on [Current Protocols](#)
3. On the Current Protocols home page, under the list of titles, you will see a link to [Search Across All Current Protocol Titles](#)

### **BioMedProtocols Online**

A full-text online database of the protocols from the popular *Methods in Molecular Biology* and *Methods in Molecular Medicine* book series. Articles are also indexed in MEDLINE, and you can LinkOut to many protocols directly when you search using Levy Library's PubMed link.

### **Cold Spring Harbor Protocols**

Coverage includes cell and molecular biology, genetics, bioinformatics, protein science, and imaging.

## **Textbooks and Reference Works**

### **AccessMedicine:**

An e-book collection that allows federated searching of important clinical and basic science texts, patient handouts, drug databases, and more. In particular note:

- *The Metabolic and Molecular Bases of Inherited Disease* (MMBID), a continuously updated compendium of genetic disorders and information from the field of genetics.
- **AccessLange:** A searchable collection of basic science textbooks included in AccessMedicine. Titles include: Harper's Biochemistry; Medical Microbiology; Basic Histology; Basic and Clinical Pharmacology; Correlative Neuroanatomy; Medical Epidemiology; Pathophysiology of Disease; Histology Image Review; Review of Medical Physiology; and Concise Pathology.

### **AccessScience:**

The online version of the *Encyclopedia of Science and Technology*. Coverage includes Medicine; Biological and Biomedical Science; Computing and Information Technology; Psychiatry and Psychology; and Mathematics.

### **CHEMnetBASE:**

A collection of major chemistry reference works, including the *Combined Chemical Dictionary*, *The Handbook of Chemistry & Physics*, *Polymers: A Property Database*, and *Properties of Organic Compounds*. Provides the full-text, data and illustrations in the print versions, as well as interactive tables, powerful search capabilities (including structure searching) and regular updates.

### ***Encyclopedia of the Life Sciences:***

According to its publishers, the *Encyclopedia of Life Sciences* is the most ambitious reference work ever to be published in the biological sciences. Topics covered include: biochemistry, cell biology, clinical medicine, developmental biology, ecology, evolution and diversity of life, functional and comparative morphology, genetics and molecular biology, immunology, microbiology and virology, neuroscience, plant science, science and society, and structural biology.

### **Wiley InterScience:**

A collection of online books in the sciences. Includes titles in: biochemistry, chemistry, genetics, medicine, microbiology, molecular cell biology, neuroscience, psychology, and more.

### **UpToDate** (included with Databases, under Medicine)

Peer-reviewed, comprehensive, fully referenced clinical topic reviews that provide recommendations for medical practice. Reviews are updated with current research findings on an ongoing basis, and citations, which include PMID numbers, are easily retrieved in PubMed.

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