

Biology 398: Immunology

Fall 2003

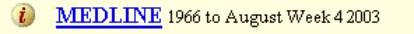
Prof. Shari Ackerman-Morris
Shana Gass, Reference Librarian <sgass@wheatonma.edu>; x3736

Key Index for Finding Scholarly Immunology Articles: MEDLINE



MEDLINE on Ovid, 1966-current

Indexes the literature of medicine, including materials on pharmaceuticals and organic materials relevant to medicine.

>> Access MEDLINE through the Wallace *Library Electronic Resources* page:
<http://www.wheatoncollege.edu/library/resources/electronic>

Go through OVID and choose this file:  [MEDLINE](#) 1966 to August Week 4 2003
or click on *A-Z list* from *Electronic Resources* page and go to MEDLINE directly.

TIPS:

- Keep *Map Term to Subject Heading* box checked while doing keyword search—this suggests standardized Medical Subject Headings (MeSH) associated with your search term.
- Clicking on a suggested Subject Heading brings you into the *MeSH Tree* (a browsable thesaurus of Subject Headings). Explore *Tree* for related, broader and narrower terms.
- While in the Tree, check *Explode* to search a Subject Heading and all narrower Headings simultaneously.
- Check the appropriate Subheading(s). Unsure which to select? Read scope notes by clicking on  icons.
- You can combine your search sets with *Boolean Operators* on the Main Search Page. Refer to sets by number..
Example: 1 AND 2
- The *truncation* symbol in Ovid databases is \$.
- Use appropriate *Limits*: population, publication type, language, etc. The Limit screen has widest choice. 
- Use the *Library Catalog Holdings* link for an individual item to see if Wheaton holds the journal/issue.

Other Versions of MEDLINE...

... include *CSA* (10-year rolling file) and a free public version (*PubMed*) at: <http://www.ncbi.nlm.nih.gov/PubMed>

Another Helpful Index: CSA Biological Sciences

CSA Biological Sciences, 1982-current

Indexes and abstracts articles from biological and biomedical journals; covers biotechnology, zoology, ecology, agriculture, veterinary science.

>> Access CSA through the Wallace Library Electronic Resources page:
<http://www.wheatoncollege.edu/library/resources/electronic> and use *A-Z list* to get to CSA link

TIPS:

- Perform *Thesaurus Search* to browse standardized Subject Headings
- Use *Check Your Library* link to see if Wheaton holds the journal/issue.
- Relevant web sites are included with your results (look for “Web Resources Related to Your Search”).

Finding & Ordering Articles Not at Wheaton via Interlibrary Loan (ILL)

- **It takes around 2 weeks to receive an item via Interlibrary Loan.**
If your timeframe is shorter than that, talk to someone at the Interlibrary Loan Office.
- **Some databases allow you to order an item directly from the database.**
 - For *MEDLINE on Ovid* (and other Ovid databases):
First, click the *Library Catalog Holdings* link to check ELIZA for the journal/issue. If we don't have the item, mark desired record(s), click on *Citation Manager*, choose *Complete Record*, and click *Order*. Complete the form.
 - For *CSA Biological Sciences*:
First, click the *Check Your Library* link to check ELIZA for the journal/issue. If we don't have the item, click *ILL* link above the desired record and complete form.
- **For other material, you can use the *Wallace Library Interlibrary Loan form*:**
<http://www.wheatoncollege.edu/library/services/forms.html> and choose the *Periodical* form.
 - If using *Library ILL form*, be careful when you transcribe or cut and paste your info. Errors can delay your order.
 - Also, it's a good idea to include the ISSN (a serials identification number). Ask at the Reference Desk for how to find the ISSN for what you're ordering.

>> *Always check ELIZA to find out whether we own the item before ordering!*

Recommended Reviews of the Literature

These publications are indexed by MEDLINE, but you may find it easier to browse the volumes shelved on the Stacks Level of the Library.

Advances in Immunology

Vols. 13-73

1971-1999

Stacks QR180 .A2

Annual Review of Microbiology

Stacks QR1.A5

Also online from 1996-current; search for *Annual Review of Microbiology* in ELIZA

Current Topics in Microbiology and Immunology

Vols. 57-93, 96-100, 151-152, 154-268 1972-1982, 1990-2002

Stacks QR1 .E6

Each volume of *CTMI* covers a specific topic, indicated on the spine.

Finding Books & Journals with ELIZA, the Wallace Library Catalog

>> Access at: <http://library.wheatoncollege.edu>

To Look Up a Journal: Look up the journal title, *never* the article title.

- Journals may held in more than one format: print, electronic, microfilm or microfiche.
- Look carefully at the record to ascertain whether we have the issue you need, and in which format.

Finding a Journal Issue in Wallace Library

- Journals are shelved by title. The year affects where in the Library they are shelved:

LATEST ISSUE:	Current Periodicals shelved flat, Periodicals Level (2 nd floor)
1990-CURRENT:	Periodicals Level
1900-1989:	Stacks level, in compact shelving to your left as you enter the Stacks
PRE-1900:	Ask at Reference Desk on Main Level
MICROFORM:	In the Microform Room on Periodicals Level

To Look Up a Particular Book: Look up by *Author* (last name first) or *Title*.

To Find Books on a Particular Topic: Use *Subject* or *Keyword* search.

- *Subjects* are taken from the official Library of Congress Subject Headings.
- *Keyword* searches look for the word(s) in subject, notes, or contents parts of the record.

TIP: If you are unsure of the exact *Subject Heading* used for your topic, try a *keyword* search and follow the subject "leads"/links from the most relevant records

- For a *keyword* search, combine words with *Boolean operators* for greater precision:
 - ⇒ *HIV AND women* finds records that include both *HIV* and *women*.
You get **fewer** results
 - ⇒ *AIDS OR HIV* finds records that include *AIDS*, or *HIV*, or both *AIDS* and *HIV*.
You get **more** results
 - ⇒ *thrush NOT bird* >> finds records that include *thrush*, but never *bird*.
You get **fewer** results
- For more results, use *truncation* in *keyword* searches:
 - ⇒ *immuno** finds *immune*, *immunology*, *immunotoxicology*, *immunoglobulin*, etc.
Note that this search will **not** find *autoimmune*.

Finding a Book in Wallace Library

- If the box under *STATUS* says *Available* in ELIZA, the book should be on the shelf.
- Write down the complete *CALL NUMBER*, including the letters at the beginning—you'll need it to find the book (except for reserve material).
- Check what it says under *LOCATION* in the ELIZA record. Here's how to interpret some common *LOCATIONS*:

STACKS:	Shelved on Stacks Level (lowest floor of the Library). Most of our books are in the Stacks.
RESERVES:	Ask at the Circulation Desk.
REF:	Materials in the Reference Reading Room (on the Main Level). These books don't circulate.
QUARTO OR FOLIO:	Oversize books shelved in the back of the 2 nd room of Stacks, after the "Z's"

Scientific/Medical Search Engines & Web Directories

- *** *Scirus.com*
<http://www.scirus.com>
 Search engine focusing on scientific content. Many useful searching features. From the publisher Elsevier.
- *** *BioResearch*
<http://bioresearch.ac.uk>
 Directory of “evaluated, quality Internet resources in the basic biological and biomedical sciences.” From the University of Nottingham, Greenfield Medical Library, UK.
 See also related site, *OMNI*, a search engine for health and medical information: <http://omni.ac.uk>
- Biology Links*
<http://mcb.harvard.edu/BioLinks.html>
 Directory from Harvard’s Department of Molecular & Cellular Biology.
- InfoMine*
<http://infomine.ucr.edu>
 Giant directory of scholarly Internet sources in all subjects. Spearheaded by the libraries at the U. of California. Use *Advanced Search* and select “Free Resources” from the *Access* pulldown menu to avoid UC-only subscription databases.
- Internet Scout*
<http://scout.cs.wisc.edu>
 Archives of weekly *Scout Report* describing new web sites of scholarly interest. Search, or browse by Subject Heading. From the Dept. of Computer Sciences at the U. of Wisconsin at Madison; funded by the National Science Foundation.
- Medweb*
<http://www.medweb.emory.edu/MedWeb>
 Directory of medical sites. From the Woodruff Health Sciences Center Library of Emory University.

Reference Sources for Background Information

General Sources

Encyclopedia of Human Biology, 2nd ed., 9 vols., 1997
 Ref QP11 .E53 1997
 Authoritative encyclopedia from Academic Press. Each entry includes glossary and bibliography.

Encyclopedia of Microbiology, 4 vols., 1992
 Ref QR9 .E53 1992
 Another set from Academic Press. Each entry includes glossary and bibliography.

Worldwide Health Sourcebook: Basic Information about Global Health Issues..., 2000
 Ref RA441 .W68 2001

Core Medical Reference Works

The Merck Index: An Encyclopedia of Chemicals, Drugs and Biologicals, 12th ed., 1996
 Ref RS 51 M4 1996 (also a copy on Permanent Reserve)
 Information on 30,000+ substances. References included. Good source for toxicity/hazard information.

Merck Manual, 1999-2003
<http://www.merck.com/pubs/mmanual>
 Electronic edition of the most widely used medical text in the world. Describes symptoms, tests, current therapies, etc.

Stedman's Medical Dictionary, 2000
 Ref R121 .S8 2000

Immunology & Infectious Disease

Encyclopedia of Infectious Diseases, 1998
Ref RC112 .T87 1998

Illustrated Dictionary of Immunology, 2nd ed., 2003
Ref QR180.4 .C78 2003

Pathogens

Ainsworth & Bisby's Dictionary of the Fungi, 8th ed., 1995
Ref QK600.35 .A35 1995

Bergey's Manual of Systematic Bacteriology, 4 vols., 1984-1989
Ref QR81 .B46 1984

Biochemical Pathways: An Atlas of Biochemistry and Molecular Biology, 1999
Ref QP171 .B685 1999

“Concise information on metabolic sequences in the pathways, the chemistry and enzymology of conversions, the regulation of turnover and the effect of disorders.” Includes sections on viruses, bacterial metabolism and antibiotics, antimicrobial defense systems.

A Field Guide to Bacteria, 2003
Stacks QR100 .D946 2003
[also in Faculty in Print—this copy does not circulate]
From Wheaton’s own Prof. Betsey Dyer.

A Field Guide to Germs, 1995
Ref QR46 .B47 1995

Grzimek's Animal Life Encyclopedia, 13 vols., 1972-75
Ref QL45 .G813
Classic reference set on the Animal Kingdom. New edition in process of being published.

History of Medicine & Disease

The Cambridge Historical Dictionary of Disease, 2003
Ref RC41 .C365 2003
Overviews of 161 diseases.

Encyclopedia of Plague and Pestilence: From Ancient Times to the Present, 2001
Ref RA649 .E53 2001
Appendixes include index of epidemics by geographical area, timeline of outbreaks, and bibliography.

Reader's Guide to the History of Science, 2000
Ref Q125 .R335 2000
Essays describing what’s been written on specific topics in the history of medicine and science.

Citation Guide

Scientific Style and Format: The CBE Manual for Authors, Editors, and Publishers, 1994.
Ref T11 .S386 1994
Guidance on style matters. How to cite references and prepare tables, figures and indexes. From the Council of Biology Editors.

Questions?

Don’t hesitate to contact Shana Gass for research assistance for this or other Biology classes.
You can contact her at sgass@wheatonma.edu or x3736.

TJ Sondermann is also a “Biology Librarian.” You can reach him at tsonderm@wheatonma.edu or x3706.