

Palomar College Library

Course Guide with Search Tips for Biology 102: Molecules and Cells

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Getting Started

The sources listed below provide a good beginning. Librarians have selected them using the syllabus or the library assignments from Palomar College faculty.

McGraw-Hill Encyclopedia of Science and Technology

Q121 .M3 2002, San Marcos Reference

This multi-volume set offers a comprehensive, authoritative guide to science including illustrations and bibliographies in over 7,500 articles.

***Encyclopedia of Computer Science and Technology* by Harry Henderson**

QA76.15 .H43 2003, Escondido Center Reference

This 450 page encyclopedia includes illustrations and bibliographic references. The chronology or timeline of computer developments is particularly interesting.

Dictionary of Scientific Biography American Council of Learned Societies

Q141 .D5, San Marcos Reference

This set has 14 volumes plus three supplements and an index. Articles vary from less than a page to several pages in length and cover only scientists who are no longer living.

Books and Media

Use the Library Catalog to find books, DVDs, videos and other materials on your topic. You can enter keywords of your own choosing, or you can identify the specific subject headings that the library catalogs use to group related materials together. You can also use a search strategy called "pearl building." Search on keywords of your choosing – unambiguous words are best. Scan the results list for a title that looks useful. View the record for that title and click on a subject heading that best describes your research topic. This will generate a new, more precise, list of materials on the subject heading you chose.

Suggested Subject Headings

Science - history

Scientists

Scientists – biography

Biologists *or* Chemists *or* Physicists, *or another specific term of your choosing*

Selected Call Numbers

In the Library of Congress (LC) system of classification, science materials are classified under "Q". Biographies will be shelved with the subject for which the person is known. So, Mathematicians will be in QA, because QA is the LC designation for math. QB is astronomy, QC is physics, and so on. For more details on classification, go to the Library of Congress web site at http://www.loc.gov/catdir/cpsolcco/lcco_q.pdf.

To search for books on individuals, enter the person's name in the online catalog search box and click on "Subject" for books *about* a person. The Isaac Newton book that follows in only one sample of books on individuals.

Isaac Newton: the last scorcer by Michael White
QC16 .N7 W45 1997, San Marcos, Circulating (Stacks)

The Science Book edited by Peter Tallack
Q180.55 .D57 S32 2003, San Marcos, Circulating (Stacks)

The Remarkable Lives of 100 Women Healers and Scientists by Brooke Bailey
QP692 .B35 1994, San Marcos, Circulating (Stacks)

A Century of DNA: a history of the discovery of the structure and function of the genetic substance by Franklin H. Portugal and Jack S. Cohen
QP624 .P67, San Marcos, Circulating (Stacks)

Articles

Articles are usually identified by using online research databases or printed indexes. Printed indexes are especially helpful for older material. Journal, magazine, and newspaper articles can supply the latest information on a topic and often contain details not available elsewhere.

- **EBSCOhost** - <http://www.palomar.edu/Library/OnlineDatabases/databases.htm>
EBSCOhost provides access to several databases including magazine, journal and newspaper articles. For a guide on how to search EBSCOhost, go to **Using EBSCOhost** <http://www.palomar.edu/library/OnlineDatabases/ebsco.htm>
- **JSTOR** - <http://www.jstor.org/jstor/> JSTOR contains the full text of articles from scholarly journals. On the Advanced Search page you can limit your search to specific disciplines such as General Science, Biological Sciences, or Zoology. For a guide on how to search JSTOR, go to <http://www.palomar.edu/library/OnlineDatabases/jstor.html>

Internet

Basic internet Search Strategies - Use a directory, subject portal, or search engine to focus your Internet search. In addition to those listed below, find more sites on the Palomar Library Subject Links site at

<http://www.palomar.edu/library/subjects>

- Biographies of Biologists
<http://www.biologybrowser.org/bb/Subject/Publications/Biographies/>
- MIT Biology Hypertextbook <http://web.mit.edu/esgbio/www/7001main.html>

Information on Citation Styles – In order to create a bibliography for your research paper, you will need to follow the rules of a specific style. For a list of styles and information on how to use them, go to How to Write a Bibliography at <http://www.palomar.edu/library/ResearchAids/SelfHelp.htm#bibliography>