



# NLM Technical Bulletin

National Library of Medicine | National Institutes of Health

2007 JULY–AUGUST No. 357

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National Institutes of Health, Department of Health & Human Services

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Last updated: 30 August 2007



## Quick Tour on Editing Collections in My NCBI

July 20, 2007 [posted]

A four-minute Quick Tour, Editing Collections in My NCBI, is now available on the PubMed Online Training page (from the Tutorials link on the PubMed sidebar) and on the Distance Education Program Resources page. This Quick Tour demonstrates how to append to, delete items from, and rename collections of PubMed® citations in My NCBI.

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## PubMed Central® Hits One Million Article Mark

July 30, 2007 [posted]

During the week of June 18, 2007, the number of articles in PubMed Central, the NLM® free digital archive of fulltext biomedical and life sciences journal literature, surpassed one million. See the press release for additional information.

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## WISER® 3.1 Now Available

July 30, 2007 [posted]

*[Editor's Note: This Technical Note is a reprint of an announcement published on NLM-Tox-Enviro-Health-L, an e-mail announcement list available from the NLM® Division of Specialized Information Services. To subscribe to this list, please see the NLM-TOX-ENVIRO-HEALTH-L Join, Leave, or Change Options page.]*

WISER 3.1 is now available from the National Library of Medicine®. This release applies to WISER for Windows, WISER for Pocket PC, and WebWISER.

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WISER 3.1 includes an enhanced substance printing capability in WISER for Windows. When printing WISER substance data, a wizard now provides the option of printing all or any combination of the data for a substance.

The following additional capabilities are planned for future releases:

- Version 3 features made available in WISER for Palm OS
- Windows Mobile Smartphone support
- Expansion of features introduced in WISER 3.0:
  - Additional substance category support, including more categories
  - Additional tools/reference materials for radiologicals and chemicals
- Biological mode: biological substance data and related tools and reference materials

User feedback is important to the future direction of WISER. Please submit any comments, suggestions, ideas, etc. in the feedback page of the WISER Web site.

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## **IUPAC "Glossary of Terms Used in Toxicology" Added to NLM<sup>®</sup> Web Site**

**August 09, 2007** [posted]

*[Editor's Note: This Technical Note is a reprint of an announcement published on NLM-Tox-Enviro-Health-L, an e-mail announcement list available from the NLM Division of Specialized Information Services. To subscribe to this list, please see the NLM-TOX-ENVIRO-HEALTH-L Join, Leave, or Change Options page.]*

The Second Edition of the International Union of Pure and Applied Chemistry (IUPAC) "Glossary of Terms Used in Toxicology" has been added to the National Library of Medicine<sup>®</sup> (NLM) Division of Specialized Information Services (SIS) Web site.

The Second Edition glossary contains definitions and explanatory notes for terms frequently used in the multidisciplinary field of toxicology. It also contains a list of abbreviations and acronyms used in toxicology, a list of abbreviations and acronyms used by international bodies and by legislation relevant to toxicology and chemical safety, and a listing of the classifications of carcinogenicity according to the weight of evidence available.

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## **Papers of Pioneering Molecular Biologist Sol Spiegelman Added to Profiles in Science<sup>®</sup>**

**August 17, 2007** [posted]

The National Library of Medicine<sup>®</sup> announces the release of an extensive selection from the papers of Sol Spiegelman (1914-1983), a pioneering molecular biologist whose discoveries helped reveal the mechanisms of gene action and laid the foundations of recombinant DNA technology, on the Library's Profiles in Science Web site.

"Sol Spiegelman was an extraordinarily creative scientist; his achievements include the first test-tube synthesis of an infective virus RNA and the development of RNA-DNA hybridization, an essential technique in molecular biology," said Donald A. B. Lindberg, M.D., director of the National Library of Medicine.

Born and raised in New York City, Spiegelman pursued his early scientific studies at City College. Summer work at hospital research labs sparked his interest in bacterial mutations. His Ph.D. research — begun at Columbia University, and finished in 1944 at Washington University in St. Louis — verified earlier observations that bacteria could sometimes adapt to the presence of novel nutrient substances by producing the enzymes necessary to digest them, without undergoing a genetic mutation. He later showed that genes for making various enzymes could be turned off and on by the presence of different nutrients. This technique, enzyme induction, became a powerful tool for understanding how the genetic information encoded in DNA is transcribed to produce enzymes that help direct cellular life processes.

With this addition, the number of prominent researchers, public health officials, and promoters of medical research whose personal and professional records are presented on Profiles has grown to twenty-three.

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## **New Enviro-Health Link on the Hazards of Arts and Crafts Materials**

**August 22, 2007** [posted]

*[Editor's Note: This Technical Note is a reprint of an announcement published on NLM-Tox-Enviro-Health-L, an e-mail announcement list available from the NLM Division of Specialized Information Services. To subscribe to this list, please see the NLM-TOX-ENVIRO-HEALTH-L Join, Leave, or Change Options page.]*

A new Web page that addresses the hazards of arts and crafts materials has been added to the National Library of Medicine® (NLM®) Enviro-Health Links.

### **Keeping the Artist Safe: Hazards of Arts and Crafts Materials**

Artists, craftspeople, and hobbyists use potentially hazardous substances. Learn more about the hazards and how to protect yourself from unnecessary exposures at: <http://sis.nlm.nih.gov/enviro/arthazards.html>

NLM also offers other Enviro-Health Links on topics such as:

- Children's Environmental Health
- Indoor Air Pollution
- Outdoor Air Pollution
- Lead
- Arsenic
- NLM Enviro-Health Links

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## **AHRQ Evidence Reports Added to NCBI Bookshelf**

**August 23, 2007** [posted]

The National Center for Biotechnology Information (NCBI) has recently added six new AHRQ (Agency for Healthcare Research and Quality) Evidence Reports to the HSTAT collection on the Bookshelf. HSTAT, Health Services/ Technology Assessment Text, is a free, Web-based resource of full-text documents that provide health information and support health care decision making.

146. Testing for Cytochrome P450 Polymorphisms in Adults With Non-Psychotic Depression Treated With Selective Serotonin Reuptake Inhibitors (SSRIs)

134. B Vitamins and Berries and Age-Related Neurodegenerative Disorders

133. Cesarean Delivery on Maternal Request

118. Effects of Omega-3 Fatty Acids on Child and Maternal Health: Summary

117. Effects of Omega-3 Fatty Acids on Eye Health: Summary

116. Effects of Omega-3 Fatty Acids on Mental Health: Summary

The books in Bookshelf may be searched directly from the Bookshelf site, via links from the Links pull-down menu from relevant PubMed® citations, or through the Entrez cross-database search page.

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## **New Books Added to NCBI Bookshelf**

**August 23, 2007** [posted]

Three new books have been added to the Bookshelf:

*Dynamics of Cancer.*

Frank, Steven A.

Princeton (NJ): Princeton University Press; c2007

Available from: <http://www.ncbi.nlm.nih.gov/books/bv.fcgi?rid=dyncan.TOC>

*Immunology and Evolution of Infectious Disease.*

Frank, Steven A.

Princeton (NJ): Princeton University Press; c2007

Available from: <http://www.ncbi.nlm.nih.gov/books/bv.fcgi?rid=infdis.TOC>

The books in Bookshelf may be searched directly from the Bookshelf site, via links from the Links pull-down menu from relevant PubMed® citations, or through the Entrez cross-database search page.

## Search Clinic: Chemicals & Drugs in PubMed®

August 30, 2007 [posted]

An hour-long online search clinic was presented by the NLM® and the National Training Center and Clearinghouse (NTCC) via Adobe® Connect™ on August 23, 2007 (2pm EDT). The presentation covered NLM MeSH® vocabulary and how best to describe substance concepts and effectively search PubMed for relevant citations to articles.

The recorded clinic offers an opportunity to view, review, and share the clinic with others. View the recorded clinic or read the transcript at: <http://www.nlm.nih.gov/bsd/disted/clinics/chem.html>.

Comments and suggestions are welcome via the evaluation. Your suggestions will be invaluable in planning future online search clinics.

After consultation with NLM experts, answers to specific questions posed during and after the live clinic will be posted on the Search Clinic Web site in the next few weeks.

The overall response to this clinic and online distance education has been very positive. We are pleased to continue with our initiative to offer online training to enhance your use of NLM resources.

For more training opportunities, see the National Training Center and Clearinghouse Web site and the NLM Distance Education page. Watch for announcements of new training resources here in the *NLM Technical Bulletin*.

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## The PubMed® Tutorial has Moved

August 30, 2007 [posted]

Please update your links and bookmarks to the PubMed Tutorial, now residing at <http://www.nlm.nih.gov/bsd/disted/pubmedtutorial/>. The tutorial was moved and files renamed to facilitate future updates and changes. Links to specific pages at the old address will be redirected to the tutorial's main page.

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July 20, 2007 [posted]  
August 06, 2007 [2nd Edition]

## PubMed Central: New Journals Participating and New Content Added

### New Journals Participating

#### *Clinical and Experimental Immunology*

[Posted in *NLM Technical Bulletin* August 6, 2007]

The journal *Clinical and Experimental Immunology* is now participating in PubMed Central, archives include volume 1, 1966 to volume 144, 2006. Current content is forthcoming and will have a 12-month delay.

*Clinical and Experimental Immunology*

ISSN: 0009-9104 (print), 1365-2249 (electronic)

Title Abbreviation: Clin Exp Immunol

Publisher: Blackwell Scientific Publications

NLM ID: 0057202

PMC Full text coverage: from 1966;1.

PMC URL: <http://www.pubmedcentral.gov/tocrender.fcgi?journal=335&action=archive>

#### *Bioinformation*

[Posted in *NLM Technical Bulletin* July 20, 2007]

The journal *Bioinformation* is now participating in PubMed Central, archives include volume 1, 2005 to volume 1, 2007. Current content is forthcoming and will have no delay.

*Bioinformation*

ISSN: 0973-2063 (Electronic)

Title Abbreviation: Bioinformation

Publisher: [Singapore] : Biomedical Informatics Pub. Group

NLM ID: 1228016

PMC Full text coverage: from 2005;1.

PMC URL: <http://www.pubmedcentral.nih.gov/tocrender.fcgi?action=archive&journal=480>

#### *Netherlands heart journal : monthly journal of the Netherlands Society of Cardiology and the Netherlands Heart Foundation*

[Posted in *NLM Technical Bulletin* July 20, 2007]

The journal *Netherlands heart journal : monthly journal of the Netherlands Society of Cardiology and the Netherlands Heart Foundation* is now participating in PubMed Central, archives include volume 15, 2007, issues 1-6. Current content is forthcoming and will have a two month delay.

*Netherlands heart journal : monthly journal of the Netherlands Society of Cardiology and the Netherlands Heart Foundation*

ISSN: 1568-5888 (Print)

Title Abbreviation: Neth Heart J

Publisher: Leusden, The Netherlands : Mediselect bv

NLM ID: 853820

PMC Full text coverage: from 2007;15.

PMC URL: <http://www.pubmedcentral.nih.gov/tocrender.fcgi?action=archive&journal=384>

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*PubMed Central*®: *New Journals Participating and New Content Added. NLM Tech Bull. 2007 Jul-Aug;(357):e2.*

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August 30, 2007 [posted]

## Additional Grant Number Information from the United Kingdom

With the implementation of the United Kingdom Manuscript Submission System (UKMSS), additional grant number information was added to MEDLINE®/PubMed® records in mid-August.

### Granting Agencies from the United Kingdom

There are eight United Kingdom granting agencies that may appear on records from manuscripts that designate financial support. The eight agencies are:

- Arthritis Research Campaign
- Biotechnology and Biological Sciences Research Council
- British Heart Foundation
- Cancer Research UK
- Chief Scientist Office
- Department of Health
- Medical Research Council
- Wellcome Trust

### Background

Wellcome Trust as a funding agency has been added to the grant field of MEDLINE/PubMed citations since mid-2005 and grant numbers since early 2006. This information has been added from published articles as well as from the NIH Manuscript Submission (NIHMS) system. These procedures will continue and, in addition, Wellcome Trust grant numbers will be added from the UKMSS. For the other seven United Kingdom granting agencies, at this time the grant numbers will only be coming from the United Kingdom Manuscript Submission System and the NIH Manuscript Submission system. NLM® expects grant information for the remaining seven granting agencies will be added from published papers sometime later this calendar year.

### PubMed Display

When viewing the records in PubMed, the format for the United Kingdom grant number information will be:

Grant number/United Kingdom Name of Granting Agency

"United Kingdom" will be placed in front of the name of the granting agency to indicate the home country of the funding source. For example, using the Citation display format:

Grant Support:

- 17356/United Kingdom Arthritis Research Campaign

Grant Support:

- PG/03/034/15234/United Kindom British Heart Foundation

"United Kingdom" will also be added to the Grant Number (GR) field on existing citations that have Wellcome Trust grant information. There are fewer than 500 in process citations that do not yet have "United Kingdom" in the Grant Number field. These items will be updated as processing completes during the next few weeks.

## Searching Grant Numbers

You may search on the United Kingdom grant numbers:

17356 [gr]  
pg/03/034/15234 [gr]

You may search on the eight granting United Kingdom agency names with or without United Kingdom, e.g.:

united kingdom arthritis research campaign [gr]  
arthritis research campaign [gr]

To find a specific grant number from a particular funding agency, use the full format, e.g.:

17356/united kingdom arthritis research campaign [gr]

This will ensure that the number is associated with the funding agency, and prevent false drops if the same base numbering system happens to be used by more than one funding agency.

Searchers may wish to isolate the citations from all of these eight United Kingdom granting agencies, i.e.:

united kingdom [gr]

## Other Information

Multiple versions of the same intellectual grant number may appear on one citation (one from the published article and another from the manuscript submission systems). For example, the basic 6-digit string of the Wellcome Trust number may be followed by characters that indicate varying accounting information or be preceded by alphabetic characters. An algorithm used by PubMed provides additional search versions for Wellcome Trust and NIH grant numbers in an attempt to adjust for variations in the way authors cite their grant numbers. For example, these Wellcome Trust grant numbers:

067427/z/02/z  
WT074829

would be retrieved by these searches:

067427 [gr]  
074829 [gr]

Please note that grant numbers from the remaining seven United Kingdom agencies must be searched in their entirety:

pg/03/034/15234 [gr]

A search link in the PubMed Citation display is also available to conduct an automatic search of other citations having the same grant number string (see *Search Links Added to PubMed® Displays. NLM Tech Bull. 2005 Sep-Oct;(346):e5.*). Please note, search links only retrieve the specific format shown, i.e., variations with or without

accounting information or alpha characters will not be retrieved.

The corresponding research support Publication Type (PT) for these United Kingdom granting agencies is Research Support, Non-U.S. Gov't. NLM adds this PT based on the information found in the published journal article. Therefore, if the grant number comes only from the manuscript submission systems and the funding is not mentioned in the article, then the PT will not be added to the citation. The recommended PubMed search for non-U.S. Government funded research now is:

research support, non-u.s. gov't [pt] OR united kingdom [gr]

Be aware that grant numbers, along with the corresponding research support Publication Type, can appear on in process citations.

**By Janet R. Zipser**  
**MEDLARS Management Section**  
**and**  
**Lou Wave S. Knecht**  
**Bibliographic Services Division**

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*Zipser JR, Knecht LS. Additional Grant Number Information from the United Kingdom. NLM Tech Bull. 2007 May-Jun; (357):e3.*

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August 30, 2007 [posted]

## Black and White MeSH® Discontinued

The National Library of Medicine® has decided to discontinue the printing of the *Medical Subject Headings (Supplement to Index Medicus®)*, sometimes known as the *Black and White MeSH*. We have received a great number of comments on this proposal, and are grateful for the input. Overall, it appears that our impression that few would be inconvenienced by the discontinuation of the printed edition was correct. Given the high cost of printing even a few copies of the book, we do not see the benefit as justifying the expense. For those wishing a souvenir copy, the 2007 MeSH will continue to be available from the Government Printing Office until December 2008.

In response to concerns expressed by several individuals, we plan to make available a set of PDF files containing the various hierarchies. These will be formatted in such a way as to make printing them on 8 1/2" x 11" paper feasible, enabling a user to print out and review an entire tree easily.

We encourage all to avail themselves of the resources available at <http://www.nlm.nih.gov/mesh>. There is a considerable amount of printable introductory material, information about how we update MEDLINE®, as well as links to downloadable files and the MeSH browser. The PDF files of the trees will also be available there. The current MeSH files are available for download, in one of three different formats. Furthermore, the browser at the MeSH Web site provides ready access to the current version of MeSH. The browser supports partial word searches of three letters or more, and provides many links between related terms. As is our practice, all of these services and files will remain free of charge. Once again, we wish to express our gratitude for the many comments received.

**By Stuart Nelson**  
**MeSH Section**

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*Nelson S. Black and White MeSH® Discontinued. NLM Tech Bull. 2007 Jul-Aug; (357):e4.*

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