# HSLS *Update*

*www.hsls.pitt.edu*

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## IN THIS ISSUE

## Bioinformatics Resource Developed at HSLS Featured in Major Scientific Journals

In late 2005, the Health Sciences Library System (HSLS) introduced the Online Bioinformatics Resources Collection (OBRC) on its molecular Biology and Genetics Web portal <www.hsls.pitt.edu/guides/genetics/obrc/>. This unique resource, developed by HSLS information specialists and librarians, is designed to bridge the gap between the expanding information needs of bench biologists and the rapidly growing number of online bioinformatics databases and software tools.

OBRC provides brief descriptions with links to more than 1600 online bioinformatics databases and software tools in categories such as immunology, genomics, proteomics, and RNA. Far more than a simple list with links, HSLS has further equipped this gateway by implementing the Vivisimo Clustering Engine®. Vivisimo automatically organizes the search results into multiple categories created on-the-fly, based on the textual information from the retrieved search results.

OBRC is gaining recognition beyond the University of Pittsburgh research community. It was highlighted in the *Science* magazine Netwatch column in October 2006 <www.sciencemag.org/content/vol314/issue5798/netwatch.dtl>. Additionally, the January 2007 issue of the prestigious journal *Nucleic Acids Research* included an article by HSLS authors **Yi-Bu Chen**, information specialist in Molecular Biology, **Ansuman Chattopadhyay**, head of Molecular Biology, Information Services, **Phillip Bergen**, information architecture librarian, and **Nancy Hrinya Tannery**, associate director for Information Services titled "The Online Bioinformatics Resources Collection at the University of Pittsburgh Health Sciences Library System--a one-stop gateway to online bioinformatics databases and software tools" (*Nucleic Acids Research*. 2007 Jan, 35 (Database Issue): D780-5. Epub 2006 Nov 15).

*-- Ansuman Chattopadhyay
and Yi-Bu Chen*

## New HSLS Web Site "Unwrapped"

Throughout the holiday season, a brightly wrapped gift package was displayed in the study area of Falk Library with the following tag:

**To:** *University of Pittsburgh/UPMC students, faculty, and staff*
**From:** *The Health Sciences Library System*
***Do not open until January 29, 2007!***

When this package was finally opened, it revealed an interactive display of the highlights of the redesigned and expanded HSLS Web site. The new Web site, launched on January 29, has a simplified design, allowing users to more easily locate information--a timesaving gift to busy students, faculty, and staff.
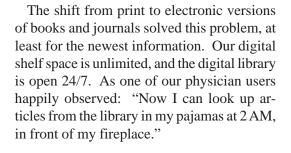


Stop by Falk Library to interact with the displays that serve as introductory tutorials to the new Web site. These illustrate sample searches and other site features such as the "How do I?" knowledge base, which provides answers to the most commonly asked library questions.

# *Director's Reflections…*
# *Holding on to Our History*

"*…the business of a library is to have the right things to put in the right hands at the right time, without ever knowing precisely what the right thing is, whom the right hands belong to and when the right time is…Librarians…acquire loads of books, journals, pamphlets and other publications that are potentially useful without really knowing when someone will need them.*"

The words above, written by David M. Shribman, executive editor of the *Pittsburgh Post-Gazette* in his Sunday column on January 7, 2007 <www.post-gazette.com/pg/07007/751617-372.stm>, describe perfectly the dilemma of collection management in any library. In a medical library, particularly, we want our entire collection to be immediately available to any user, any time. But we wrestle with the finite limitations of shelf space and closing hours. Our printed books and journals become old and brittle, and must be shifted to make room for new acquisitions. When we sent our books on smallpox and anthrax to storage in 1985, who could have known that these textbooks, written in the 1940's and 50's, would be consulted again in the aftermath of 9/11?

The shift from print to electronic versions of books and journals solved this problem, at least for the newest information. Our digital shelf space is unlimited, and the digital library is open 24/7. As one of our physician users happily observed: "Now I can look up articles from the library in my pajamas at 2 AM, in front of my fireplace."

**Barbara Epstein**
**HSLS Director**
**bepstein@pitt.edu**

We are still working on the challenge of providing ubiquitous access to older and classic materials. This month, HSLS added two new electronic resources: The **Lippincott Williams & Wilkins (LWW) Journal Legacy Archive**, and the **Psychiatry Legacy Collection**.

The LWW Archive includes electronic back files of 220 medical, nursing and healthcare journals. As the publisher notes, "That's equal to more than one mile of library shelf space!" Archive coverage for each journal begins with its first issue, some dating back to the 19th century. The oldest in the collection, The *American Journal of the Medical Sciences*, was first published in November 1827.

The Psychiatry Legacy Collection, published by American Psychiatric Publishing, Inc., covers 162 years of psychiatry through six major peer-reviewed psychiatry journals. The collection dates back to 1844, and includes The *American Journal of Psychiatry*, the oldest continuously published medical specialty journal in the United States. Other titles are *Academic Psychiatry, Journal of Neuropsychiatry and Clinical Neurosciences, Journal of Psychotherapy Practice and Research, Psychosomatics,* and *Psychiatric Services* (formerly *Hospital & Community Psychiatry*).

If HSLS owns the print editions of titles in either of these collections, we will continue to house them in our storage facility. We will also continue to expand our electronic holdings of older resources.

# The Cochrane Library: Evidence for Healthcare Decision Making

The ***Cochrane Library*** is a collection of databases that offer high-quality evidence to support healthcare decision-making. This is a crucial resource to identify current best evidence.

The ***Cochrane Database of Systematic Reviews***, also known as *Cochrane Reviews*, produced by the Cochrane Collaboration <www.cochrane.org>, offers the highest level of evidence. Each Cochrane review identifies an intervention for a specific disease or other healthcare problem and determines whether this intervention is effective. Cochrane review author(s) locate, appraise and synthesize evidence from the relevant scientific studies, summarize conclusions on effectiveness, and provide a collation of the known evidence on the topic. *Cochrane Reviews* offer an easy method to examine the primary studies of a given intervention. Every Cochrane review adheres to a strict design, thus minimizing the chance of bias and ensuring reliability.

Other databases in the *Cochrane Library* collection include additional systematic reviews, technology assessments, economic evaluations, clinical trials, and methods literature, as listed below:
• ***DARE (Database of Abstracts of Reviews of Effects)*** complements *Cochrane Reviews* by summarizing reviews not produced by the Cochrane Collaboration. Each abstract includes a summary of the review with critical commentary on its overall quality.
• ***CONTROL (Cochrane Central Register of Controlled Trials 'Clinical Trials')*** includes details of articles on clinical trials, mostly from MEDLINE and EMBASE, and other published and unpublished sources.
• ***HTA (Health Technology Assessment Database 'Technology Assessments')*** provides access to international studies of completed and ongoing health technology assessments to improve the quality and cost-effectiveness of health care. These studies focus on medical, social, ethical and economic implications of healthcare interventions.

# Deadly Medicine:
## Creating the Master Race

A poignant exhibit, titled *Deadly Medicine: Creating the Master Race*, is on display through March 18, 2007 at the Andy Warhol Museum, located on the North Shore of Pittsburgh. This exhibit, on loan from the United States Holocaust Memorial Museum, examines Nazi eugenics and medicine, and includes over 50 artifacts, 200 photographs, and survivor testimony.

In December, the Holocaust Memorial Museum and the C. F. Reynolds Medical History Society co-sponsored a lecture relating to the exhibit, presented by Curator Dr. Susan Bachrach.

For information regarding the *Deadly Medicine* exhibit, visit: <www.warhol.org/whats_on/exhibitions.html>. An online exhibit,

prepared by the Holocaust Memorial Museum, is available at: <www.ushmm.org/museum/exhibit/online/deadlymedicine/>.

Below is a sample of books on eugenics in the Falk Library History of Medicine collection:
***Eugenics: Hereditarian Attitudes in American Thought***
by: Mark H. Haller
Call number: HQ753 H185 1963

***The Nazi Connection: Eugenics, American Racism, and German National Socialism***
by: Stefan Kühl
Call number: HQ753 K43 1994

***From Darwin to Hitler: Evolutionary Ethics, Eugenics, and Racism in Germany***

*Dr. Susan Bachrach (left), curator at the United States Holocaust Memorial Museum with Dr. Jonathon Erlen, HSLS history of medicine librarian.*

by: Richard Weikart
Call number: HQ755.5.G3 W435 2004

***The Surgical Solution: A History of Involuntary Sterilization in the United States***
by: Philip R. Reilly
Call number: HQ755.5U6 R362 1991

*--Jonathon Erlen and Melissa Ratajeski*

# *Help Available for Systematic Review Authors*

Over the past year, HSLS has experienced an increase in requests for expert literature search assistance from authors writing systematic reviews (SRs). Cook et al define SRs as "overviews developed with the application of scientific strategies that limit bias to the systematic assembly, critical appraisal, and synthesis of all relevant studies on a specific topic".[1]  SRs present concise, current, and rigorous synthesis of the best available evidence,[2] and require comprehensive literature searches. SRs can present qualitative and/or quantitative information.  SRs that statistically combine and summarize the results of several primary studies are called meta-analyses. *The Cochrane Library*, described in this issue on page 3, is noted for its rigorous and high quality systematic reviews.

Egger and Smith outline the steps involved in authoring a SR:[3]

1.  Formulate review question
2.  Define inclusion and exclusion criteria for research studies to be included in review
3.  Locate research studies by using comprehensive search strategies
4.  Determine which studies to include in review, based on criteria
5.  Assess the quality of studies
6.  Extract data from the studies
7.  Analyze and present results
8. Interpret results by considering limitations, implications, etc.

The time commitment and challenges involved with such a project should not be underestimated.  Although time spent on a SR can vary, it may take anywhere from nine months to three years to complete a review project. In a recent study, Sampson and McGowan identified SR search strategy errors such as missed spelling variants, truncation and logical operator error, missed Medical Subject Headings (MeSH), and incorrect use of MeSH.[4]  A librarian can help avoid these errors, by providing expert advice on locating studies for inclusion or by critiquing the search strategy used by a SR author.

Other challenges that should prompt prospective SR authors to seek a librarian's assistance include:

• Determining scope and depth of  bibliographic databases and trial registries
• Identifying publication and language bias
• Searching print literature in addition to databases
• Construction of searches tailored to specific databases
(MEDLINE, EMBASE, CINAHL, etc)
• Translating review question to appropriate database-specific syntax
• Identifying text words and the appropriate controlled vocabulary to construct search statements in electronic databases
• Use of appropriate methodology filters (preferably validated) in databases
• Managing references with bibliographic management software such  as Endnote or RefWorks
• Updating searches during the SR development process with saved searches and alerts

To contact a reference librarian for assistance with a systematic review, call the HSLS reference desk at 412-648-8796 or e-mail medlibq@pitt.edu to schedule a consultation.

*--Ahlam Saleh*

1. Cook DJ, Sackett DL, Spitzer WO. Methodologic Guidelines for Systematic Reviews of Randomized Control Trials in Health Care from the Potsdam Consultation on Meta-Analysis. *Journal of Clinical Epidemiology* 1995; 48:167-171.
2. Cook DJ, Mulrow CD, Haynes RB. Systematic Reviews: Synthesis of Best Evidence for Clinical Decision. *Annals of Internal Medicine* 1997; 125(5): 376-380.
3. Egger M, Smith GD. Principles of and Procedures for Systematic Reviews. In: Egger M, Smith GD, Altman DG, eds. *Systematic Reviews in Health Care: Meta-Analysis in Context*, 2nd ed.  London: BMJ Publishing Group, 2001:25.
4. Sampson M, McGowan J. Errors in search strategies were identified by type and frequency. *Journal of Clinical Epidemiology* 2006; 59:1057-1063.

# HSLS Staff News

## NEWS

**Barbara Epstein**, HSLS director, was invited to participate in an assessment of medical information resources and libraries in Vietnam. The project was sponsored by the International Program of the National Library of Medicine. The assessment team spent two weeks in Vietnam in January 2007, touring medical libraries in Ho Chi Minh City, Hanoi, Hue, and Can Tho, and meeting with a variety of medical educators, students, administrators and librarians.

**Pat Weiss**, reference and information technology librarian, has been elected chair of the Benefits and Welfare Committee of the University Senate.

Farewell to **Paul Worona**, associate director for Information Technology, who left HSLS to accept a position in the Department of Computer Science at Carnegie Mellon University. Worona was with HSLS for 10 years, first as head of the Computing and Media Center in Falk Library, and then as HSLS assistant director for systems.

**Fran Yarger** has been appointed HSLS assistant director for Computing and Systems. Yarger has served as HSLS head of computing services since July 2000, and before that, as director of the Computer and Media Center in Falk Library. As new assistant director, she is responsible for management of HSLS' information technology operations, and will have oversight of all public and staff computing in HSLS libraries.

Congratulations to these HSLS staff members who recently received University of Pittsburgh staff recognition awards. For five years of service: **Kathy DeVito** and **Robert Lucas**; for 10 years of service: **Misti Kane**.

## PUBLICATIONS

**Jonathon Erlen**, history of medicine librarian, published "New dissertations" in *Nursing History Review* 2007, 15: 211-216 and "Dissertation/Theses" in *Canadian Bulletin of Medical History* 2006, 23(2): 591-594.

**Jonathon Erlen**, history of medicine librarian, reviewed "Plague and Fire: Battling the Black Death and the 1900 Burning of Honolulu's Chinatown" by James C. Mohr, NY: Oxford University Press, 2005, in *The Hawaiian Journal of History* 2006, 40: 204-206.

**Malgorzata Fort**, head of Bibliographic Services, reviewed "Education for Library Cataloging: International Perspective" edited by Dajin D. Sun and Ruth C. Carter, NY: Haworth Information Press, 2006, in *Doody's Review Service*.

## PRESENTATIONS

Ann Mitchell, assistant professor of nursing and psychiatry, University of Pittsburgh School of Nursing, presented a poster titled "Implementation of an Evidence-Based Practice Model within a Hospital Setting" at the Networking the Americas Consortium for Nursing and Allied Health (NACNAH) Annual Conference: Strategic Summit on Academic Internationalization for the Health Professions, on November 9-10, 2006 in Kansas City, KS. The poster was coauthored by **Rebecca Abromitis**, reference librarian; Donna Beacom, WPIC clinical care coordinator, inpatient services, nursing research & informatics; Sheri Goldstrohm, Barb Ferdiani, Dawn DeCicco, Tracy Barrett, Tara Gaus, Georgia Patterson, Matt Witt, Melanie Wood, WPIC clinical nurses; Lynn Boucek, and Jessica Franzetta, School of Nursing students.

# The Cochrane Library: Evidence for Healthcare Decision-Making
## continued from page 3

• **NHS EED (The NHS Economic Evaluation Database 'Economic Evaluations')** assists decision-makers by systematically identifying international economic evaluations by appraising their quality and highlighting their relative strengths and weaknesses. NHS EED contains over 5000 abstracts of quality-assessed economic evaluations.
• **Cochrane Database of Methodology Reviews (Methods Reviews)** includes the full-text of systematic reviews of empirical methodological studies prepared by the Cochrane Collaboration.
• **The Cochrane Methodology Register (Method Studies)** is a bibliography of publications that report on methods used when conducting controlled trials.

The *Cochrane Library* is offered through Wiley InterScience with a single search environment. To access it, type "Cochrane Library" in the search.HSLS quick search box on the HSLS Web site <www.hsls.pitt.edu>. Some of the Cochrane databases are also available through the OVID search interface and can be accessed by choosing OVID from the "Most Popular" list on the HSLS home page.

*--Charles Wessel*

# HSLS Schedule of Classes March - April 2007

*Classes are held on the first floor of Falk Library in Classroom 1, and in the Computer and Media Center Classroom 2 on the second floor of Falk Library (200 Scaife Hall). Some classes are also held at the Western Psychiatric Institute and Clinic (WPIC) Library Classroom. Class schedules are subject to change. Please consult the online class calendar at <www.hsls.pitt.edu/services/instruction/calendar> for the most current information.*

## HSLS ORIENTATION
**Introduction to HSLS Resources and Services at Falk Library and WPIC**
Falk Library: Offered upon request to groups or individuals. Call 412-648-8796.
WPIC Library: Offered upon request to groups or individuals. Call 412-246-5507.

## SEARCHING DATABASES
**Ovid MEDLINE**\*
(Falk Library Classroom 1)
Thursday, March 1                    1-2:30 p.m.
Friday, April 20                       1-2:30 p.m.

**PubMed**\*
(Falk Library Classroom 1)
Monday, March 12                    1-2:30 p.m.
Tuesday, April 10                     9:30-11 a.m.

**Advanced PubMed**\*
(Falk Library Classroom 1)
Monday, April 30                      1-2:30 p.m.

**Searching for Dollar$: Finding Grant Funding Using Sources at the University of Pittsburgh and on the Internet**\*
(Falk Library Conference Room B)
Thursday, April 26                    10-11:30 a.m.

**Searching the Nursing Literature**\*
(Falk Library Classroom 1)
Thursday, March 1                    3-4:30 p.m.

**Searching PsycINFO**\*
(WPIC Library Classroom)
Tuesday, March 20                    10-11:30 a.m.

## MOLECULAR BIOLOGY AND GENETICS RESOURCES
**Introduction to VectorNTI**\*
(Falk Library Classroom 2)
Wednesday, March 21                1-3 p.m.

**Genetic Variations Resources**\*
(Falk Library Classroom 2)
Wednesday, April 18                 1-3 p.m.

**Protein Analysis Tools**\*
(Falk Library Classroom 2)
Wednesday, March 14                1-3 p.m.

**Introduction to Pathway Analysis Tools**\*
(Falk Library Classroom 2)
Wednesday, April 11                 1-3 p.m.

**Introduction to Genome Browsers**\*
(Falk Library Classroom 2)
Wednesday, April 25                 1-3 p.m.

**Vector NTI: Molecular Construction and Design**\*
(Falk Library Classroom 2)
Wednesday, April 4                   1-3 p.m.

## SOFTWARE TRAINING
**EndNote Basics**
(Falk Library Classroom 2)
(*Note: This class is usually full. Please arrive 15 minutes in advance to ensure seating.*)
Thursday, March 22                   1-3 p.m.
Wednesday, April 25                 10 a.m.-noon

**Adobe Photoshop for Beginners**
(Falk Library Classroom 2)
Thursday, March 15                   10 a.m.-noon
Thursday, April 12                    10 a.m.-noon

**Introduction to Adobe Photoshop**
(WPIC Library Classroom)
Thursday, March 22                   10 a.m.-noon

**PowerPoint for Beginners**
(WPIC Library Classroom)
Wednesday, March 28                9-11 a.m.

**Advanced PowerPoint for Presentations**
(Falk Library Classroom 2)
Wednesday, April 18                 9-11 a.m.

**PowerPoint for Beginners and Advanced PowerPoint**
(Falk Library Classroom 2)
Wednesday, March 14                8 a.m.-noon

# HSLS Schedule of Classes March - April 2007
### *continued from page 6*

## LUNCH WITH A LIBRARIAN
These informal, brown-bag lunches are held in Falk Library Conference Room B. Bring your own lunch. Drinks and dessert are provided. See <www.hsls.pitt.edu/services/instruction/lunchlibrarian/> for more information.

**Lights, Camera, Action: Creating DVD's**
Thursday, March 15                Noon-1 p.m.

**Taking Control of Your Google Home Page: Customizing Google**
Monday, March 26                Noon-1 p.m.

**Are You Making An Impact?**
Thursday, April 19                Noon-1 p.m.

**Getting the Most from MEDLINE: Helpful Tips for Better Results**
Wednesday, April 25                Noon-1 p.m.

## CUSTOMIZED CLASSES
Customized classes can be developed for your department, course, or other group. For more information, see <www.hsls.pitt.edu/services/instruction/customizedinstruction>.

*All classes are open to faculty, staff and students of the schools of the health sciences at the University of Pittsburgh and UPMC. No registration required. Seating for classes is first-come, first-served until the class is full. Classes marked with an asterisk (\*) qualify for American Medical Association Category 2 continuing education credit. Detailed course descriptions are available at <www.hsls.pitt.edu/services/instruction>.*

# New Journal Titles
The following journals are among the new titles added to HSLS collections beginning in 2007. Listed also are the titles of print journals being replaced with the online version (older print volumes will still be available).

**New Journals Available Online**
*Angle Orthodontist*
*Cell Research*
*Journal of Empirical Research on Human Research Ethics*
*Journal of Hand Therapy*
*Journal of Nursing Measurement*
*Journal of Pain*
*Neurocritical Care*
*Surgery for Obesity and Related Diseases*
*Transfusion Medicine Reviews*
*Vital*
*Worldviews on Evidence-Based Nursing*

**New Journals Available in Print**
*ATLA: Alternatives to Laboratory Animals*
*Environmental Nutrition*
*Natural Health*

**Print Journal Titles Replaced by the Online Version**
*Advances in Pediatrics*
*American Journal of Nephrology*
*Behavior Therapy*
*Blood Purification*
*Cerebrovascular Diseases*
*Chemotherapy*
*Clinical Gastroenterology and Hepatology*
*Cytogenetic and Genome Research*
*Dementia and Geriatric Cognitive Disorders*
*Dermatology*
*Digestion*
*Digestive Diseases*
*Ethics & Behavior*
*European Neurology*
*Gerontology*
*Hormone Research*
*Immunobiology*
*International Archives of Allergy and Immunology*
*Journal of Antibiotics*
*Journal of Cognitive Psychotherapy*
*Journal of the Association of Nurses in AIDS Care*
*Medical Informatics and the Internet in Medicine*
*Nephron*
*Neuroendocrinology*
*Neuroepidemiology*
*Oncology*
*ORL: Journal for Oto-Rhino-Laryngology and its Borderlands*
*Pediatric Neurosurgery*
*Respiration*
*Seminars in Oncology Nursing*
*Seminars in Orthodontics*

# *The Red Book Now Available Online*

The *Report of the Committee on Infectious Diseases* from the American Academy of Pediatrics, also known as the **Red Book**, is now available online. The *Red Book* is highly valued for reliable information on the "manifestations, etiology, epidemiology, diagnosis, and treatment of some 200 childhood diseases." The *Red Book Online* includes new and updated chapters, special alerts and news, an expanded image collection of over 2,000 images, and up-to-date vaccine status information. A search engine allows for the full text of the current 2006 electronic book to be searched, as well as archives back to 2000. A significant advantage of the online version is interim updating, as the print edition is only published every three years.

The *Report of the AAP Committee on Infectious Diseases* was first published as an eight-page pamphlet in 1938, but has expanded in each of the 27 editions since, until it now contains over 900 pages in five sections with contributions from hundreds of experts across the United States.

To access the *Red Book Online*, type "Red Book" into the search.HSLS quick search box at <www.hsls.pitt.edu/> or access it directly at <http://aapredbook.aappublications.org/>, (for those located on the Oakland campus).

*--Andrea Ketchum*

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