

Health Sciences Library System (HSLs)  
University of Pittsburgh  
www.hsls.pitt.edu

Annual Report - FY 2004-2005  
(July 1, 2004 – June 30, 2005)

The Health Sciences Library System (HSLs) supports the educational, research, clinical, and service activities of the health sciences community of the University of Pittsburgh and the University of Pittsburgh Medical Center (UPMC) through development and provision of innovative information resources and services.

HSLs includes Falk Library of the Health Sciences, Western Psychiatric Institute and Clinic (WPIC) Library, the James Frazer Hillman Health Sciences Library and the Hopwood Library: A Health Resource Center for Patients and Families at UPMC Shadyside, and the Blaxter Medical Library, the Family Resource Center, and the Moulis Children's Library at Children's Hospital of Pittsburgh. HSL Online resources offer onsite and remote access to indexes to the literature, full text databases, 3,800 full-text journals and 5,000-plus electronic textbooks. HSLs maintains an active Web site with information about library services, resources and activities, and also publishes a bimonthly newsletter, *HSLs Update*. The Computer and Media Center (CMC) in Falk Library is the primary health sciences service point providing computer and audiovisual resources, with satellite computing facilities at each of the hospital libraries.

HSLs began FY 2004-2005 began with reorganization and consolidation. Interim Director Barbara A. Epstein was appointed HSLs Director in June 2004, followed by several other managerial appointments and promotions: Deborah Lordi Silverman as Associate Director for Resource Management, Nancy Hrinya Tannery as Associate Director for Information Services, and Paul Worona as Associate Director for Information Technology. Malgorzata Fort was appointed Head of Cataloging Services, and Ammon Ripple became Head of Reference Services, while Frances Yarger continued as Head of Computing Services. Renae Barger assumed oversight of Document Delivery.

With this capable management team in place, HSLs developed a Long Range Space Plan for 2008-2017, and a Long Range Strategic Plan for 2006-2010 in response to requests from University administration. These are available on the HSLs Web site in the "About HSLs" section.

Organization of this annual report is generally aligned with the Annual Plan for FY 2004-2005 submitted at the beginning of the fiscal year. The Annual Plan for FY 2005-2006 will be organized in accordance with goals identified in the Long Range Strategic Plan.

# Services

## Reference and Consultation

In FY 2004-2005, reference librarians performed 1,861 mediated database searches, a 52% increase over the preceding year. In addition, the number of individual in-depth consultations increased to 83. Approximately 30% of mediated searches were on topics related to education or research, 40% were in support of direct patient care, and 30% were in response to consumer health questions.

## Instruction

In 2004-2005, HSLs librarians and staff provided instruction, orientations or tours to over 8,800 faculty, students and staff.

The instructional program offers 26 workshops and 10 special topics classes. New workshops on IndexCat, Scopus, Agricola, Vector NTI, and Genetic Variations Resources were added to the roster this year. Attendees in library classes and workshops totaled 1,061, an increase of 34% over last year. This includes 13 presentations to 209 participants in affiliated hospital locations at UPMC Horizon, UPMC Northwest, UPMC Lee, UPMC Passavant, UPMC Bedford, and UPMC Presbyterian Shadyside.

An innovative Lunch with a Librarian series was introduced to highlight the expertise of librarians on specialized topics, as well as the services and resources provided by HSLs. Fourteen sessions were offered from December 2004 through June 2005 to 154 attendees on topics such as the following:

- Searching for Dollar\$: Grant Resources on the Web
- On the Alert: Staying Current with New Information
- Beyond MEDLINE: Finding Social Sciences Information
- Finding Full-Text Articles
- The Search for Evidence: Locating Evidence-Based Health Care Information
- IACUC Searching 101: An Overview of Animal Care & Use Information Resources
- Advanced Google: Tips & Strategies for Getting More from Google
- Drug Information on the Go: Get the Information You Need When You Need It
- Jazz It Up: How to Find Medical Images for Your Presentations
- Academic Honesty: What You Need to Know about Copyright, Plagiarism & Citing Sources
- The Nuts and Bolts of Publishing an Article: Resources & Strategies for Aspiring Authors

These sessions have generated follow-up consultations and requests for specialized presentations to defined groups. The most popular sessions will be offered on an ongoing basis, with new topics added each semester.

The interactive online instructional program, *Responsible Literature Searching for Research*, was completed and made available through the University's Education and Certification Program in Research and Practice Fundamentals Web site. Development

of this program was funded through a cooperative agreement between the Association of American Medical Colleges (AAMC) and the Office of Research Integrity (ORI) of the U.S. Department of Health and Human Services. HSLs' application was sponsored by the Association of Academic Health Sciences Libraries. *Responsible Literature Searching* was displayed at the AAMC meeting in Boston in November 2004. To the best of our knowledge, HSLs is the first organization to develop a comprehensive program that provides guidelines and instruction for researchers on how to conduct a thorough literature search. Between February and June 2005, 159 users completed the online module. The University Times publicized *Responsible Literature Searching* in an article titled "New library tools aids medical researchers" in the March 17, 2005 issue.

Librarian liaisons to the schools of the health sciences and the Department of Psychiatry gave presentations at faculty meetings, marketed library information to new faculty and provided orientations and instruction within the curriculum. They also provide support for faculty conducting research. The library sponsors popular open houses for incoming students from several schools. Other examples of liaison activities include:

- School of Medicine: Librarians co-taught with the physician faculty member an introductory session on evidence-based literature searching and appraisal at quarterly orientations for MS-III students. Librarians also teach in the fourth year electives, Evidence-Based Medicine and Clinical Decision-Making Skills and History of Medicine, as well as a for-credit course for PhD students, Introduction to Biocomputing.
- School of Pharmacy: Workshops on MEDLINE, International Pharmaceutical Abstracts and PITTCat are offered to the entire class of 98 first-year students.
- School of Dental Medicine: MEDLINE was taught to 75 first year dental students enrolled in the mandatory class "Introduction to Computing."
- School of Nursing: Lectures and hands-on instruction in basic literature search strategies and the use of bibliographic databases are offered in eight classes to a total of 617 students.
- Graduate School of Public Health: New GSPH faculty members are offered orientation sessions, with an introduction to HSLs and to grant resources. Lectures and hands-on instruction in basic literature search strategies and the use of bibliographic databases are offered in six class sessions to a total of 142 students.
- School of Health and Rehabilitation Sciences: New students receive a comprehensive orientation, while 418 students in 16 classes receive lectures and hands-on instruction.
- Department of Psychiatry/Western Psychiatric Institute and Clinic: New inpatient staff members receive a library information packet and sign up for library privileges as part of new employee orientation session, held monthly. Residents and new faculty are also offered hands-on instruction and information about HSLs and mental health resources.

- Institutional Animal Care and Use Committee (IACUC): A librarian attends the monthly IACUC meetings and conducted 64 searches in support of this program. This is an increase of 23% over the preceding year.

The History of Medicine Librarian taught or lectured in the following University courses:

- History of Medicine and Health Care (38 students)
- Historical and Sociological Perspectives in Public Health (10 students)
- Doctor/Patient Relationship (9 students)
- Medical Ethics and Society (18 students)

### **Molecular Biology and Genetics Information Service**

This flourishing program, led by Dr. Ansuman Chattopadhyay, offered 29 hands-on workshops to a total of 302 attendees, an increase of 88% over the previous year.

Workshop topics included

- Vector NTI (9 sessions, 122 attendees)
- Genetic Information Hubs (2 sessions, 10 attendees)
- Protein Information Hubs (2 sessions, 11 attendees)
- Sequence Similarity Searching (4 sessions, 35 attendees)
- Genetic Variation Resources (2 sessions, 28 attendees)
- DNA Analysis Tools (3 sessions, 33 attendees)
- Protein Analysis Tools (2 sessions, 35 attendees)
- Gene-Protein Based Literature Searching/CellSpace (4 session, 26 attendees)
- Introduction to Genome Browsers (1 session, 12 attendees).

Dr. Chattopadhyay lectured in several graduate and undergraduate courses, including Foundations of Biomedical Sciences, Introduction to Biocomputing, Introduction to Bioinformatics, and the UPCI-Hampton University Cancer Biology course. He also gave presentations to School of Medicine Departmental Chairs, the Graduate School of Public Health Department of Human Genetics faculty, and School of Medicine Departments of Urology, Ophthalmology, and Cardiology. In addition, he was invited by the National Center for Biotechnology Information (NCBI) to participate as an instructor in their Advanced Workshop for Bioinformatics Information Specialists in Bethesda.

Consultations for researchers are also a feature of this service. During the past year, Dr. Chattopadhyay offered 72 bioinformatics consultations, an increase of 2 over the preceding year. In a letter of recommendation, one faculty member summarized the value of this HSLS service:

*I have also sought advice from Ansuman regarding my NIMH funded work in the genetic epidemiology of schizophrenia...I invited him to several 'brain storming sessions' I held in connection with this work. Ansuman...has offered sage advice that has advanced our work in several unanticipated directions. Indeed, other colleagues who attended these meetings now regularly seek his advice about their own projects.*

The HSLS Molecular Biology Web page ([www.hslls.pitt.edu/guides/genetics](http://www.hslls.pitt.edu/guides/genetics)) is a portal to tools, resources, and tutorials available to the University of Pittsburgh and UPMC research communities. The Web site currently averages 2,900 visits per month. During the past year, Dr. Yi-Bu Chen, an NLM-funded trainee, updated the content of this Web

page with more than 1,000 links to bioinformatics software and databases. Incorporation of the Vivisimo clustering search engine, which groups search results on the fly, elevated this Web guide into a top-rated molecular biology portal. In the coming year, it is expected that Dr. Chen will join HSLS as Assistant Information Specialist in Molecular Biology and Genetics to provide support for the growing workload.

### **Computing and Media Center (CMC)**

More than 100 users each day access the CMC in Falk Library, which sets a standard of excellence in its well-equipped classrooms, public computing equipment, and media collection. A particular feature of the lab is support and facilities for video editing. Students, instructors, and clinicians use the equipment to prepare lectures and web-based instructional material. During the past year, CMC staff worked with the Office of Medical Education to enhance printing options for medical students. The installation of a wireless network established Falk Library as the only Pitt library to provide wireless access to students, staff, researchers and faculty. The CMC also initiated circulation of hardware such as laptops and flash drives so library users can borrow equipment for use anywhere in the library.

### **New Initiatives and Special Projects**

- PROMIS Pittsburgh Literature Search Project  
PROMIS (Patient-Reported Outcomes Measurement Information System) is a five-year, NIH-funded multi-center research initiative to develop better methods of measuring patient-reported symptoms such as pain, fatigue, and other health-related quality of life issues across a number of chronic diseases and conditions. A key initial step in the conduct of this project is the identification of currently available questionnaires assessing patient-oriented outcomes, and entry of items from those questionnaires into a central PROMIS item bank. HSLS librarians conduct exhaustive searches to identify all published English-language self-report questionnaires for adults assessing depression, anxiety, sleep disorders, substance use/abuse, and anger or aggression.
- Patient Education Television Project at UPMC Shadyside  
This is a multi-disciplinary team project involving administration, nursing, information systems, community relations, media services and the Hopwood Library. The hospital received a \$100,000 grant to be used for patient education television. The consumer health librarian compiled review packets for the evaluation and selection of the videotapes that will be used on the UPMC Shadyside Patient Education TV channel. During the past year, the team coordinated the procurement, viewing and assessment of the tapes by nurses and other members of the healthcare team.
- UPMC Nursing  
This year, HSLS librarians participated in the Nursing Magnet Hospital status initiative. HSLS librarians attend the UPMC Corporate Education Committee and the WPIC Nursing Research Council Steering Committee. As part of the "career ladder" process at UPMC Presbyterian/Montefiore, nurses develop evidence-based research projects. Thus far, 24 nurses have attended specialized information skills training sessions, with as many as 150 more still to be trained. Supervisors of critical care units at UPMC Presbyterian also received training on

point-of-care products. Another facet of enhancement of nurses' information skills involves information literacy training for WPIC inpatient nurses.

At UPMC Shadyside, librarians offered Advanced Medline sessions at morning report to Internal Medicine residents and other attendees. Instruction was also provided to 380 clinicians, including dietetic interns, physician therapists, nursing students, and new employees. Librarians performed 538 mediated searches for patients and their families, and 595 searches related to clinical or research-related questions. Patients visited the library to view educational videotapes prior to joint replacement surgery.

Librarians at Children's Hospital of Pittsburgh (CHP) offered focused educational sessions or consults to 145 clinicians, including trauma, critical care and transplant nurses, nurse educators, medical technologists, researchers, adolescent medicine physicians, pediatric residents, and community preceptors. In addition, they worked with 240 patient families to provide consumer health information, and offered 60 in-depth clinical or research-related consultations. Promotional brochures highlighting library services are included in patient admission packages, and publicity about the Family Resource Center and Moulis Library is placed in elevators.

### **Document Delivery**

HSLs is recognized as a national leader in the application of technology to interlibrary loan and document delivery. In 2004-05, HSLs supplied approximately 50,000 articles to libraries around the world, an increase of 50% over the preceding year. Requests are received and articles are transmitted electronically, most within 24 hours or less. Approximately 5,000 articles for HSLs users were obtained from other libraries; this relatively small number of requests verifies that HSLs print and electronic collections continue to satisfy the overwhelming majority of our users' needs.

## **Electronic Resources**

HSLs continued to augment the extensive collection of electronic resources available to users with computers directly attached to the University or UPMC computer networks, or remotely connected through other Internet providers. Resources and information tools newly licensed this year include:

- **FIRSTConsult:** a point of care information resource providing immediate access to high-quality succinct diagnosis and treatment information. Priority is given to evidence-based findings and clinical recommendations, and information is displayed in a consistent, standardized format to make it more readily accessible to busy clinicians. Subscription to FIRSTConsult followed systematic testing of several point-of-care products by 14 HSLs librarians.
- **AGRICOLA** (AGRICultural OnLine Access): a journal citation database produced by the National Agricultural Library (NAL). It also includes citations to books, chapters, pamphlets, conference proceedings, and other materials from the NAL collection. This database is particularly useful for satisfying database searching requirements for IACUC protocols.

- **ClusterMed:** a search engine that organizes PubMed search results into categories for easier review of results.
- **Clinical Pharmacology:** a full-text pharmaceutical database consisting of peer-reviewed information about U.S. prescription drugs, herbal supplements, and nutritional and over-the-counter products, as well as new and investigational drugs in phase III trials.
- **Scopus:** a resource that indexes 12,900 journals in the sciences, and also offers cited reference searching.
- **An@tomy.tv:** a database of 3-D human anatomy images for nine anatomical areas. Buttons and drop-down menus located below the vivid images can be used to rotate, zoom, or strip away anatomical layers.
- **E-journals:** more than 70 new titles were added, and electronic-only access was established for 350 journal titles in 2005.

In addition to these new resources, HSLs purchased an institutional membership in BioMedCentral, an Open Access publishing house. Open Access (OA) publications allow immediate, universal, free online access to their content. In lieu of the subscriptions fees charged by traditional journals, OA journals typically raise operating revenue by collecting publication fees from authors. Pitt's institutional membership allows researchers or students to publish an unlimited number of articles in journals published by BioMed Central without paying any article processing charges.

Expansion of the e-book collection received special attention this year. There are now over 2,700 e-book titles with new additions from Science Direct, STAT!Ref, Wiley, and the Gale Virtual Reference Collection. Titles in pediatrics, dentistry and surgery were added through MDConsult. HSLs also subscribes to Ebrary's Academic Complete database, which provides thousands of full-text books, reports and other authoritative materials from over 200 leading publishers, including the National Research Council, the Institute of Medicine, and Kluwer Health Books.

In early 2005, HSLs unveiled a groundbreaking new search tool enabling library users to search the full text of more than 300 health and biomedical books. With a single-Google-style query, users can simultaneously search multiple electronic book sources, such as MDConsult, Books@Ovid, STAT!Ref, Wiley InterScience and Elsevier ScienceDirect. Results are integrated into a single set, and displayed both in relevancy-based lists, as well as in folders that aid discovery by clustering the results into meaningful categories. Developed in-house by HSLs librarians, Electronic Book Search implements innovative search technology from Pittsburgh-based Vivisimo, which also produced the ClusterMed software described above.

Remote access login procedures were simplified in Summer 2004 to enable University faculty, staff and student to use their Pitt username and password to access HSLs online resources from computers within HSLs libraries. Previously, a distinct HSLs account was required for this purpose. Members of the University community were also able to access HSL Online resources through the University's Instant Virtual Extranet service called SSL VPN.

## Print Collections and Physical Facilities

Space planning was a major focus of HSLs activities in FY 2004-2005, due to the convergence of two seemingly unrelated occurrences. One was the re-opening of remote storage at the University's Thomas Blvd facility. The second was a major water leak in Falk Library.

In Summer 2004, more than 100,000 items that had been unavailable to library users for six years were moved to temporary shelving on the fourth floor the Thomas Blvd. facility. The thesis collection and Falk Library's journal volumes from 1966-1975 were also relocated to Thomas Blvd. Two staff members were assigned to Thomas Blvd. to begin sorting and processing items for permanent offsite storage, and also to retrieve materials requested by library users. Though only about half of the records had been updated by the end of the fiscal year, there were 1,308 requests for books & journal articles from Sept 2004-June 2005 from HSLs library users and to fill interlibrary loan requests. We anticipate that this number will rise after PITTcat records are completely updated.

On August 15, 2004, a plumbing leak on the third floor of Scaife Hall caused gallons of water to seep through to the mezzanine floor of Falk Library, saturating a section of the oversize books collection. More than a thousand books, primarily on plastic surgery, were damaged or destroyed.

When the flood occurred, it was fortuitous that the library's closed stack areas, that had housed the older journals moved to Thomas Blvd., were empty. Thus, the library had the necessary "swing space" to address the flood damage in a systematic and proactive manner. All oversize books were relocated to closed stacks temporarily to remove print materials out of the area vulnerable to water damage. This allowed room for repairs and restoration, as well as reconfiguration of the mezzanine shelving.

Clearing this area triggered a series of space and collection related initiatives. It was decided to re-organize all book stacks located on the Library's mezzanine floor. This was a major project that was in planning for more than three months. The actual shifting of books was accomplished by teams of Resource Management staff members who worked steadily for three weeks shifting heavy volumes. Though the original intent was to remove books from harm's way, the shift resulted in numerous positive results:

- The Falk collection and materials from the former Nursing School library were merged into two book runs (regular and over-sized). Stack arrangement is more unified, allowing users to find books more easily
- Duplicate copies were removed
- Low-use items were moved to closed stacks in preparation for future relocation to remote storage, or withdrawal from the collection
- Study carrels were moved from behind the stacks so that all library seating is now more visible, minimizing security concerns

A bright and inviting study lounge was opened in the flooded area, which formerly housed dreary, poorly-lit book stacks on tattered carpeting. This newly-remodeled, laptop-friendly area features a new floor and comfortable furniture. Wireless networking, new lighting and convenient electrical outlets make this space especially attractive for personal computer use.

Several other remodeling and/or space related initiatives occurred in HSLs libraries:

- A new office for the Associate Director for Information Services was constructed on the main floor of Falk Library
- The Moulis Library at Children's Hospital was painted. New shelving was added, and the parents' computer area was re-designed with new furniture. The Family Resource Center collection was re-organized and expanded.
- Journals in WPIC Library were shifted to maximize available space.

## Information Technology

### **HSLs Web site**

The HSLs Web site is overseen by a hardworking committee of HSLs librarians, chaired by Paul Worona. Service on the Web Committee requires a thorough understanding of the principles of information architecture and best practices for project management. This year, the Web committee began investigating user centered approaches to Web development, including interactive design and usability testing. The Committee chair attended the Usability Week seminars hosted by the Neilson Norman Group, the recognized leaders in the field of Web site usability. In the coming year, a sixth member will be added to the Web team to integrate these user centered principles into the design process.

The most significant new development on the HSLs Web site was the implementation of the Vivisimo search and clustering software. The software was used to develop the Electronic Books search, a Molecular Biology and Genetics search feature and a new searching prototype to be developed and evaluated in the coming year. In addition to the search and clustering functionality, the Vivisimo software itself helped to spark serious investigation into related technologies such as XML, XSL and XSLT. These technologies should have a significant impact on the Web site in the coming years.

Other significant projects this year included:

- Development of a prototype Nursing Portal
- Molecular Biology and Genetics page redesign including a new Vivisimo powered search feature.
- Redesign of the HSLs presence on the Pitt portal
- Redesign of the Remote Access login procedure to provide more guidance to users
- Expansion of the Remote Access login to include Pitt user accounts
- Formal user testing on the Electronic Book search feature using heuristic evaluation methods

- Development of a series of content guidelines in a new “Web Committee” section of the HSLs staff web site.
- Introduction of new Web guides on “Alerting Services” and “Finding Grant Information”.

### **Wireless computing**

As noted elsewhere in this report, wireless computing through the University of Pittsburgh network is available in most public spaces in Falk Library. In Fall 2004, users of laptop computers in Falk Library were able to send print jobs to the main laser printer in the library’s Computer and Media Center (CMC). Laptop computers loaded with End Note, MS Office 2000, Mulberry and Adobe products may be borrowed from the CMC for in-library use with the wireless network. Falk Library Conference Room B was also configured to serve as a wireless classroom as needed.

### **Network and Computing Infrastructure**

Upgrades to the HSLs server room in Falk Library this year included improved air conditioning, additional ports, new racks and shelving, and new hardware to provide better remote monitoring and access to servers.

In addition to infrastructure upgrades, systems staff implemented several new features to help manage the computing environment. New monitoring software checks every service run by the department every few minutes. Scripting software makes it possible for the monitoring server to attempt to solve the problem itself before alerting any staff. If this is not possible, the software sounds a loud alarm in the systems offices, and sends emails at regular intervals to systems staff until the problem is solved.

Ongoing maintenance of HSLs servers includes constant security patches and fixes, especially for Microsoft-based products. Some of the hardware upgrades included:

- Migration of primary MySQL server to new RAID5 hardware
- Migration of the CMC Proxy, Dev and HSLs-Staff servers to new hardware
- Upgrade of all compatible equipment to 100 megabit networking

Implementation of network firewalls is a significant effort underway. HSLs staff began working with Pitt’s CSSD to implement firewalls for the Lab for Educational Technology and the CMC. The project expanded during the year to include the rest of Falk Library and the Shadyside libraries. The firewall for the Lab was completed in Fall 2004, while the others will be implemented in the coming year.

Additional hardware and software implementations include:

- Installation of a server and software to archive electronic content through a national cooperative project called LOCKSS, led by University of California at Berkeley.
- Installation of CourseEval software for the Office of Medical Education
- Implementation of WebWatchBot monitoring system
- Implemented Tomcat/Jakarta Java platform to support Opinio survey software
- Installation of “Moodle” software to support online tutorials and distance education on a HSLs staff server

Major software upgrades included:

- Silva content management systems for online publication of the *HSLS Update* newsletter
- Upgrades of Zope and Python software that support the HSLS web site
- Installation of new print servers and expansion of service to include subsidized printing for medical students

## Partnerships and Collaborations

### **Exhibit: Changing the Face of Medicine**

HSLS submitted a successful application to host a traveling exhibit titled *Changing the Face of Medicine: Celebrating America's Women Physicians*. This exhibit chronicles the struggle of American women over the past two centuries for access to medical education and to work in the medical specialty of their choice. The National Library of Medicine (NLM) and the American Library Association organized the exhibit with support from the NLM, the National Institute of Health Office of Research on Women's Health, and the American Medical Women's Association. The traveling exhibit is based on a larger exhibit that was displayed at the NLM from 2003 to 2005. Falk Library is first on the itinerary for the exhibit, hosting it from August 24 to October 14, 2005. Itinerary slots were awarded to 61 academic and public libraries around the country based on a competitive proposal process. HSLS Reference Librarian Patricia Weiss prepared the application and will serve as exhibit coordinator.

### **School of Medicine Lab for Educational Technology**

HSLS continues to maintain all servers for the Lab including the Navigator server. HSLS staff members perform updates, troubleshoot problems and upgrade hardware and software as necessary.

In June 2004, the Lab for Educational Technology approached HSLS with a plan to implement a medical student portal before classes began in August 2004. The portal was to be developed using Microsoft's Sharepoint server. Prior to this project, neither HSLS nor the Lab had any experience with this software. Furthermore, the project would require links to the School of Medicine's Microsoft Exchange server. Successful development required significant cooperation between HSLS, the Lab and Office of Medical Education (OMED).

While creation of the portal itself was accomplished by the Lab staff, implementation of the infrastructure was managed by HSLS staff. To accomplish this task, HSLS staff designed a complex network environment that allowed HSLS servers to sit behind the same firewall as OMED's Exchange server. HSLS worked with OMED, the School of Medicine's new iTarget group, the University's CSSD, various consultants and the Lab to implement the network; HSLS built the Sharepoint and MS SQL development and production servers; and developed troubleshooting procedures for the Sharepoint environment. In August 2004, the medical student portal went live as scheduled.

In addition to introduction of the portal, the Lab's Navigator site was migrated to a new server, with a new domain (nav.pitt.edu)

### **Public Health Information Alliance (PHIA)**

PHIA was initiated with grant funding from the National Library of Medicine to provide high quality information access for the local public health workforce. At the conclusion of the 18-month grant period in August 2004, services continued with funding from the Allegheny County Health Department (ACHD) and the University's Center for Public Health Practice. The project includes access to the customized PHIA Web site, specialized training and workshops, reference and consultation, library borrowing privileges, and document delivery and interlibrary loan. Nineteen workshops on PubMed and Internet Public Health Resources I and II were held at the ACHD training facility for 101 participants.

### **University of Pittsburgh Center for Public Health Practice (CPHP)**

CPHP provides generous support for HSLs to have a dedicated Public Health Librarian. In addition to PHIA services, this librarian offers in-depth research consultation for CPHP staff and faculty, and offers regional presentations on public health resources, and participates in staff meetings and planning retreat.

### **Hampton University Cancer Biology Curriculum**

The HSLs Information Specialist in Molecular Biology & Genetics participates as a faculty member on this project which has developed a joint curriculum on Cancer Biology between the University of Pittsburgh Cancer Institute and Hampton University in Virginia, a minority training institution. The goal of this collaboration is to enhance cancer knowledge and research training of both faculty and students at Hampton. Among other aims, the collaboration hopes to enhance students and faculty familiarity with Bioinformatics. The Information Specialist will develop at least three lectures for the Hampton Biology undergraduates as part of this project. He is also available (on a limited basis) to consult with Hampton faculty on bioinformatics questions.

### **Detre Manuscript Collection**

HSLs was invited to establish a manuscript collection consisting of the papers of Thomas Detre, M.D. During his long and distinguished career, Dr. Detre served as Professor of Psychiatry and Distinguished Service Professor of Health Sciences, and Senior Vice Chancellor for Health Sciences at the University of Pittsburgh. He was also the first President of the University of Pittsburgh Medical Center (UPMC), as well as Director of the Western Psychiatric Institute and Clinic. HSLs will administer and manage the collection, with funding and space in Thomas Detre Hall to be provided by UPMC. During FY 2004-05, HSLs Director and Associate Director for Resource Management developed a successful funding proposal and outline for this two-year project, and initiated recruitment for a Curator of Manuscripts.

## Training

In FY 2004-2005, HSLs hosted two trainees (Jaime Blanck, MLIS, and Yi-Bu Chen, Ph.D) for the Training Program in Biomedical Informatics and Librarianship, funded by the National Library of Medicine. In November 2004, HSLs participated in an NLM site visit for the project, where the NLM reviewer noted that HSLs is regarded as their “poster child” for successful library informatics training.

HSLs also hosted four field placement students (Rachel Borchardt, Carolyn Polgardy, Melissa Baker and Lili Hou) from the School of Information Sciences.

## HSLs Staff Accomplishments (HSLs names in bold)

### AWARDS

#### **Andrea Ketchum**

Recipient of 2005 Medical Library Association Continuing Education Award

#### **Michelle Burda, Debbie Downey**

*Above & Beyond* award of UPMC Shadyside

### PUBLICATIONS

#### **Jonathon Erlen**

The nursing history bibliographic project: doctoral dissertations in the history of nursing. *Nursing History Review* 2004;12:193-229.

**Jonathon Erlen** and Joseph Spillane, eds.

*Federal Drug Control: Origins and Evolution 1875-2001.*

Binghamton, NY: The Haworth Press, 2004.

**Jonathon Erlen** contributed information about recent dissertations in history of medicine and health sciences to the following publications:

ASBH Exchange:

AVISTA Forum Journal

Canadian Bulletin of Medical History

History of Science Society Newsletter

History of Psychiatry

Journal of the History of Medicine and Allied Sciences

Nursing History Review

Pharmacy in History

Wilderness and Environmental Medicine

Claire J. Twose and **Michele Klein Fedyshin**

A history of the information specialist in context.

MLA News, 2004, (371): 11-12.

**Linda M. Hartman, Rebecca A. Abromitis, Alice B. Kuller, Barbara A. Epstein**

Staff development planning in an academic health sciences library.  
Journal of the Medical Library Association 2005 Apr;93(2):271-7.

**Linda M. Hartman**

"Educating Users of the Health Sciences Library System at the University of Pittsburgh,"  
Chap. 5 in *A Guide to Developing End User Education Programs in Medical Libraries*,  
edited by Elizabeth Connor, 51-60, Binghamton, NY: Haworth Press, 2005.

**Nancy Tannery, Mark L. Scheurer, MD, Jill E. Foust, Patricia Weiss Friedman, Amy L. Gregg, Ammon S. Ripple**

"A Month-Long Daily Instruction Curriculum for Residents at the University of Pittsburgh:  
Can Intensive Training Make a Difference?" Chap. 15 in *A Guide to Developing End  
User Education Programs in Medical Libraries*, edited by Elizabeth Connor, 181-187,  
Binghamton, NY: Haworth Press, 2005.

EDITORS

**Michele Klein-Fedyshin**

Hospital Library Associate Editor for Journal of the Medical Library Association

**Jonathan Erlen**

Co-editor of a special issue of the Organization of American Historians Magazine of History

PRESENTATIONS

Challenging Patrons, Challenging Questions

**Rebecca Abromitis, Linda Hartman**

Medical Library Association 2005 Annual Meeting – San Antonio, TX

The Public Health Information Alliance (PHIA): Library Access for Public Health  
Practitioners.

**Barbara Folb, Barbara A. Epstein, Alice Kindling, Edward Schwartz**

Pennsylvania Public Health Association Annual Conference, 2004 – Philadelphia, PA

Evaluating and Addressing the Information Needs of an Urban Public Health Department  
Through an Academic Health Sciences Library Health Department Partnership

**Barbara Folb, Barbara A. Epstein**

American Public Health Association Annual Conference, 2004 – Washington, DC

Improving E-book Access via a Library-developed, Full-text Federated Search Tool

**Jill E. Foust, Phillip Bergen, Gretchen L. Maxeiner, Peter N. Pawlowski**

Medical Library Association 2005 Annual Meeting – San Antonio, TX

What Went Wrong? Factors Leading to the Decline in the Doctor/Patient Relationship

**Jonathan Erlen**

Southern Association for the History of Medicine and Science 2005 Annual Meeting –  
Augusta, GA

Integrating the History of Medicine and Health into the Undergraduate Curriculum

**Jonathan Erlen, Panel member**

American Association for the History of Medicine 2005 Annual Meeting – Birmingham,  
AL

Expanding the Scope of the History of Science: Doctoral Dissertations

**Jonathan Erlen**

History of Science Society 2005 Annual Meeting – Austin, TX

On Beyond OPAC: Repurposing ILS Data for Web-based Access Tools.

**Malgorzata Fort, Phillip Bergen, Deborah Lordi Silverman**

Medical Library Association 2005 Annual Meeting - San Antonio, TX.

UnGoogling Information Literacy in the Health Sciences.

Session moderator

**Ammon Ripple**

Medical Library Association 2005 Annual Meeting – San Antonio, TX

High Tea & History / History of Medicine on the Internet: IndexCat and Other Online Resources.

**Ammon Ripple, Jonathan Erlen**

Pittsburgh Chapter of the Medical Library Association Continuing Education Course 2005.

Finding Information on Mental Measurement Tools Used in Health and Mental Health Settings

**Ester Saghafi**, Instructor

Pittsburgh Chapter of the Medical Library Association Continuing Education Course 2005.

Connecting Islands of Information: a Case Study Approach to Understanding Federated Search

**Deborah Lordi Silverman, Paul Worona**

Delphi Group 2005 Summit on Information Intelligence, April 2005, Phoenix, AZ

The Resource Management Model of Integrated Collection Services

**Deborah Lordi Silverman**

Medical Library Association 2005 Annual Meeting - San Antonio, TX.

## POSTERS

To Dream the Impossible Dream: Benjamin S. Carson, Pediatric Neurosurgeon

**Michelle L. Burda**

Medical Library Association 2005 Annual Meeting – San Antonio, TX

Expert Googling: Best Practices and Advanced Strategies for Using Google in Health Sciences Libraries

**Ammon S. Ripple**

Medical Library Association 2005 Annual Meeting – San Antonio, TX

Online Current Awareness: An Overview of Options and Strategies

**Ammon S. Ripple, Linda M. Hartman**

Medical Library Association 2005 Annual Meeting – San Antonio, TX

A Look at OT Search and the Indexing of Occupational Therapy Literature

**Linda M. Hartman**

Medical Library Association 2005 Annual Meeting – San Antonio, TX

Information-seeking Practices of "In-person" Support Groups: A Baseline Survey

**Andrea M. Ketchum**

Medical Library Association 2005 Annual Meeting – San Antonio, TX

Responsible Literature Searching for Research: A Self-paced Interactive Educational Program

**Charles B. Wessel, Nancy H. Tannery, Barbara A. Epstein**

Medical Library Association 2005 Annual Meeting – San Antonio, TX

Transplantation of a Health Sciences Library

Maristella Sabino, **Barbara A. Epstein**

IX European Conference of Medical and Health Libraries - Santander, Spain

#### MEETINGS ATTENDED FOR PROFESSIONAL DEVELOPMENT

Association of Academic Health Sciences Librarians and American Association of Medical Colleges Annual Meetings, 2004 – Boston, MA

**Barbara A. Epstein**

American Association of Medical Colleges Annual Meeting, 2004 – Boston, MA

**Charles Wessel**

American Public Health Association – 2004 Annual Meeting – Washington, DC

**Barbara Folb**

Pennsylvania Public Health Association Annual Conference, 2004 – Philadelphia, PA

**Barbara Folb**

North American Serials Interest Group (NASG) Conference, 2005 – Minneapolis, MN

**Liping Song**

American Library Association Midwinter Meeting, 2005 – Boston, MA

**Deborah Silverman, Malgorzata Fort, Gretchen Maxeiner**

Medical Library Association - 2005 Annual Meeting – San Antonio, TX

**Ammon Ripple, Andrea Ketchum, Rebecca Abromitis, Jill Foust, Charlie Wessel, Linda Hartman, Michelle Burda, Michele Klein-Fedyshin, Jaime Blanck, Yibu Chen, Deborah Silverman, Malgorzata Fort, Barbara A. Epstein**

Medinfo 2004

**Jaime Blanck, Yi-Bu Chen**

Pittsburgh Chapter of Medical Library Association Annual Meeting

**Charles Wessel, Andrea Ketchum, Alice Kuller, Linda Hartman, Ammon Ripple, Pat Weiss, Ester Saghafi, Jaime Blanck, June Bandemer**

Southern Association for the History of Medicine and Science – Augusta, GA

**Jonathan Erlen**

Archivists and Librarians in the History of the Health Sciences

**Jonathan Erlen**

American Association for the History of Medicine – Birmingham, AL

**Jonathan Erlen**

History of Science Society, Annual Meeting – Austin, TX

**Jonathan Erlen**

Nielsen Norman Group Conference, Usability seminar (Fundamental Guidelines for Web Usability and Interaction Design Immersion), 2005 – San Francisco, CA

**Paul Worona**

Delphi Conference on Information Intelligence – Phoenix, AZ

**Deborah Silverman**

WORKSHOPS & COURSES ATTENDED FOR PROFESSIONAL DEVELOPMENT

Running with Squirrels, Pittsburgh Chapter of Medical Library Association Continuing Education Course

**Michele Klein-Fedyshin, Barb Folb, Pat Weiss, Linda Hartman, Ammon Ripple, Rebecca Abromitis, June Bandemer, Charles Wessel**

High Tea & History, Pittsburgh Chapter of Medical Library Association Continuing Education Course

**Michele Klein-Fedyshin, Barb Folb, Alice Kuller, Charles Wessel, June Bandemer, Andrea Ketchum, June Bandemer**

Finding Information on Mental Measurement Tools Used in Health and Mental Health Settings, Pittsburgh Chapter of Medical Library Association Continuing Education Course

**Pat Weiss, Ester Saghafi, Jaime Blanck, Andrea Ketchum, Charles Wessel, Alice Kuller, June Bandemer**

UMLS course, National Library of Medicine – Pittsburgh, PA

**Andrea Ketchum, Michelle Burda, Renae Barger, Charles Wessel, Ester Saghafi, Jill Foust, Linda Hartman, June Bandemer, Ansuman Chattopadhyay**

Partnering for Public Health, Medical Library Association Continuing Education Satellite Teleconference – Pittsburgh, PA

**Nancy Tannery, Michelle Burda, Charles Wessel, Linda Hartman, Jill Foust, Rebecca Abromitis, Barbara Folb, Ester Saghafi, June Bandemer, Barbara A. Epstein**

Free Health Information Online: Moving Beyond Medline, Medical Library Association Continuing Education Course – San Antonio, TX

**Andrea Ketchum**

Librarian's Role in Information Mastery: Assessing the Usefulness of Clinical Information Courses, Medical Library Association Continuing Education Course - San Antonio, TX  
**Michele Klein-Fedyshin**

Developing a New Role for Librarians: Teaching the Publication Process, Medical Library Association Continuing Education Course - San Antonio, TX  
**Rebecca Abromitis**

Information Services for Emergency Preparedness and Response, Medical Library Association Continuing Education Course - San Antonio, TX  
**Michele Klein-Fedyshin**

Critical Appraisal, Medical Library Association Continuing Education Course - San Antonio, TX  
**Michelle Burda**

Bioethics: An Introduction for Health Information Professional, Medical Library Association Continuing Education Course - San Antonio, TX  
**Michelle Burda**

Influential Leadership: Making a Difference That Lasts and Communication Mistakes that Only Really, Really Smart or Busy People Make, Medical Library Association Continuing Education Course - San Antonio, TX  
**Ammon Ripple**

Implementing and Training for Virtual Reference, Medical Library Association Continuing Education Course - San Antonio, TX  
**Charles Wessel**

The Art and Practice of Electronic Journal, Book, and Database Licenses: Practical Tips for Health Care Organizations, Medical Library Association Continuing Education Satellite Teleconference  
**Charles Wessel, June Bandemer**

Usability: Designing for User Success Webcast, ARL/OLMS Workshop  
**Paul Worona**

Cascading Styles Sheets, Pitt Learning Solutions.  
**Jill Foust**

HTML Level 1, Pitt Learning Solutions.  
**Liping Song**

HTML Level 2, Pitt Learning Solutions.  
**Jill Foust**

Web Usability Webcast  
**Jill Foust**

Access Level 1, Access Level II, Designing Queries in Access, Pitt Learning Solutions  
**Jay Miller**