



University of Pittsburgh

Health Sciences Library System

Annual Report FY 2011-2012

Falk Library of the Health Sciences serves as the home of the Health Sciences Library System (HSLs), with a wide-ranging collection of biomedical and health-related journals and monographs along with a specialized collection of rare and historical materials. The library offers computing and Internet access, as well as educational, productivity, and media software packages. There are more than 75 publicly-available computers including circulating laptops, as well as two classrooms equipped for group computer instruction and eight group study rooms. The University's wireless network is available throughout the library. Falk Library is open 110 hours per week. The HSLs staff includes 26.1 FTE faculty librarians, and 23.8 FTE paraprofessional and technical staff.

The accomplishments and activities described in this Annual Report are organized in accordance with goals identified in the *HSLs Long Range Plan, 2011/12-2016/17*.

GOAL 1: Acquire knowledge-based information resources in appropriate formats to meet the needs of the health sciences community at the University of Pittsburgh and the University of Pittsburgh Medical Center.

HSLs resources total approximately 360,000 print volumes, including more than 180,000 monographs. Approximately 170,000 older print journals and books are housed at the HSLs off-site storage facility, located about five miles from Falk Library. Library users have access to more than 5,500 electronic journals in the health sciences. The electronic collection also includes 2,230 e-books and 105 databases or publisher collections of full-text information. New resources in FY 2011-2012 include:

- Complete backfiles for the Journal of the American Medical Association, and all the AMA Archives journals, now available online
- DeVita, Hellman and Rosenberg's Cancer e-book

In FY11-12, 13,300 books were borrowed or renewed in HSLs libraries. This is a decrease of 21% from the previous year, continuing a long-term trend of declining use of the print collection. Circulation statistics for Falk Library's print books were analyzed to evaluate usage patterns. The data generated is used to inform purchasing decisions, and to ensure that the collections budget is wisely allocated.

Building a library collection is a complex process of balancing the needs of a diverse user population, a finite budget, and subscription charges that continue to escalate in excess of the general inflation rate. Use of electronic books, journals and databases is closely monitored by analyzing subject scope and metrics such as usage statistics, cost, cost-per-use, cost increase

rate, impact factor, impact factor rank, document delivery/interlibrary loan statistics, the editorial board and publisher, and the number of articles written by University of Pittsburgh authors.

In January 2012, HSLs canceled subscriptions to 28 e-journals, 10 print journals, and 10 e-books. The savings realized through these cancellations enabled HSLs to absorb cost increases for the remaining journal titles. Thirty one e-journals were added or reinstated, generally by swapping out little-used titles in journal packages. The transition of the current journal collection from print to electronic is nearly complete, with less than 10 current print titles received. It is anticipated that these remaining print journal subscriptions will be eliminated in the next round of journal renewals for calendar year 2013.

GOAL 2: Provide effective access to local and remote information to meet the needs of a diverse user community

The HSLs Web site (www.hsls.pitt.edu) remains the entry point to the wide range of HSLs resources and services, with over 50,000 users per month accessing more than 550,000 pages of information. The most popular HSLs web content includes the homepage featuring library news and quick access to library materials, the comprehensive Journals A-Z list, the calendar of library classes and the HSLs Molecular Biology site.

Search.HSLs.MolBio, a search engine for biology researchers, was upgraded by incorporating additional resources such as the *Journal of Visualized Experiments (JOVE)*, the NIH YouTube video channel and *HSLs MolBio Videos*. *HSLs MolBio Videos* is a new resource developed by the Molecular Biology Information Specialists offering approximately 100 step-by-step video guides to solve common bioinformatics queries. *The HSLs Online Bioinformatics Resources Collection (OBRC)* was updated by incorporating links to popular bioinformatics software databases, identified in *Nucleic Acids Research Annual Database* and *Webserver* issues.

The online library catalog, *PITTCat for the Health Sciences*, was updated with a new server and software, creating a more robust and faster metadata repository. This product is the backbone of multiple HSLs discovery platforms, including the popular “on-the-fly” automated web content such as the e-journals list.

In FY2011-12, HSLs upgraded our circulating technology by adding ten new iPad 2s and six Android-based tablet computers. The tablets continued to be popular, with over 1,300 circulations per year. HSLs laptops were still in demand as well, with over 1,700 circulations. HSLs’s public desktop computers were also well utilized. Pitt’s health science students, faculty and staff used Falk Library’s “public” desktops an average of 350 times each day. Of note, medical students used Falk Library computers to log in to the school’s online curriculum websites, *Navigator* and the *Zone*, over 2,000 times.

Falk Library’s group study rooms continued to be a popular location for students, staff and faculty. In FY11-12, over 1,800 health sciences groups reserved the available study rooms for a total of more than 8,000 hours.

In FY11-12, the Document Delivery department upgraded *Illiad*, the document ordering system. *Illiad* allows for integration of varied document ordering systems--DOCLINE (for medical libraries), OCLC (for general libraries), and Library Web (generally for outside libraries)--into one user access point, interface and delivery vehicle for interlibrary loans. *Illiad* is also the front-door

interface for the Pitt users to order documents, books and articles not owned by HSLs or the University Library System.

At present, 5,627 HSLs users have Document Delivery accounts, an increase from last year. During the past year, HSLs users requested 6,936 journal articles or books. About 6,200 were filled from HSLs collections and 167 from other Pitt libraries. Only 1,671 were borrowed from outside institutions, a 28% decrease from the previous year. This is a strong indication that HSLs collections continue to satisfy user needs.

HSLs' off-site storage facility (LTC) houses older library materials with historical and research value. It is equipped with high-density compact shelving with a capacity of nearly 200,000 volumes. An efficient inventory and retrieval system enables users requesting an article to receive it within one to two days. Advanced scanning software is used to scan and send electronic copies of requested articles in PDF format, making access to these print journals in storage nearly as convenient as an online subscription. Arrangements can also be made to deliver journal volumes to Falk Library for in-house use if needed. There were over 3,450 requests for materials at HSLs' off-site storage facility this past year.

Last year, an in-house electronic resource management system (HERMIT) was created to keep all the information about the library's electronic information resources in one place. This in-house system is more cost effective and better suited to HSLs needs than the commercial system that was formerly in use.

FY 2011-2012 saw a significant redefinition of the scope of services offered by HSLs to the user community of the University of Pittsburgh Medical Center (UPMC), as UPMC shifted responsibility for user instruction and reference consultation to hospital librarians in UPMC facilities. While UPMC staff continued to enjoy access to HSLs clinical e-resources, services provided by HSLs librarians and staff were no longer available to UPMC library users. These discontinued services included circulation of print books and laptops, access to Falk Library's computers, admission to classes in Falk Library, interlibrary loan and document delivery services, and information services. HSLs librarians continued to provide assistance with access problems related to electronic resources. HSLs also relinquished management of the libraries at UPMC Shadyside.

GOAL 3: Develop effective strategies to enhance information literacy and use of information resources.

HSLs liaison librarians provide curriculum and information support to the six schools of the health sciences by teaching students to recognize when information is needed, and providing them with the skills to locate, evaluate and use information effectively. Liaisons to schools of Medicine, Dental Medicine, Pharmacy, Health and Rehabilitation Sciences, Nursing and the Graduate School of Public Health (GSPH) gave presentations this year at faculty meetings and provided orientations and instruction within the curriculum. They also provide support for faculty conducting research. Some of the liaisons attend curriculum committee meetings, hold office hours in the school and have secondary appointments within their school. The GSPH liaison librarian is embedded 50% of the time within GSPH.

In FY11-12 librarians provided 126 instructional sessions to over 3,850 students in the health sciences.

In addition to instructional sessions within the curriculum of the Schools of the Health Sciences, librarians provide scheduled workshops in Falk Library on an open-registration basis. The HSLs roster of workshops has expanded to over 40, including orientation sessions, topical “Lunch with a Librarian” series, and workshops on HSLs electronic resources, bibliographic management, and software training.

A newly designed course, *Painless PubMed*, was offered once a week for three months, beginning in May 2012. It is an one-hour workshop designed to quickly introduce or update users about searching the PubMed database. There were 45 attendees in these 14 sessions. Many of these attendees were medical students, the majority working on their required scholarly projects.

Bioinformatics workshops continue to be in high demand. Hands-on bioinformatics workshops covering 17 contemporary bioinformatics topics were offered 38 times to 471 attendees.

In total HSLs in-house workshops were attended by 870 people. Requests for one-on-one information consultations increased to 650 this past year.

We know that not all learning goes on in the classroom. To provide users with additional means of instruction, HSLs has developed a number of online learning modules. These include:

- Mol Bio videos, a searchable collection of over 100 videos
<http://www.hsls.pitt.edu/molbio/video>
- Responsible Literature Searching for Research: A Self-Paced Interactive Educational Program
http://www.hsls.pitt.edu/services/responsible_literature_searching
- *Pitt Online* modules in support of nursing instruction, HSLs orientation (“Getting Started at HSLs”) and PubMed Introduction

Librarians performed 685 database searches by request in support of education or research, including faculty grant writing. Our experience is that users are asking for more in-depth assistance with projects such as writing systematic reviews and practice guidelines. Such requests require expert skills and are considerably more time-consuming than in the past.

LibGuides are a licensed tool that allows librarians to organize and present library collections in a technology-enabled customizable fashion. Newly designed LibGuides this year include:

- Scholarly Communications <http://hsls.libguides.com/scholarlycommunication>
- Nursing Portal <http://hsls.libguides.com/nursing>
- School of Pharmacy portal <http://hsls.libguides.com/school-of-pharmacy>
- Reference Services <http://hsls.libguides.com/reference>
- Health Careers Scholars Academy <http://hsls.libguides.com/uphcsa>

GOAL 4: Promote awareness of library services, resources and expertise to a large, diverse, and geographically dispersed user population.

In the past year, HSLS employed a variety of methods to publicize and promote information services. Representative activities are listed below:

- *HSLs Update*, the library newsletter, is produced six times a year and distributed electronically to over 9000 readers.
- Display cases in Falk Library are used to promote various health topics, new resources or new technologies each month.
- Targeted emails are sent to the Schools of the Health sciences faculty..
- News items added to the front page of the HSLS web site
- New digital sign in the library's lobby contains news items and features about the library.
- Librarians regularly attend curriculum committee meetings, faculty meetings, and other formal and informal gatherings to describe and promote library services and resources.

This year, we put increased emphasis on raising awareness of our user community about issues relating to rapid changes in scholarly communication and the open access movement. We published articles in our *Update* newsletter, developed an online guide on our Web site, and hosted a lecture on authors' rights during Open Access Week (October 24-30, 2011).

GOAL 5: Nurture and extend partnerships and collaboration with internal and external departments, schools, programs, and organizations.

A. Internal partnerships and collaboration

- An HSLS librarian provided support to the Institutional Animal Care and Use Committee (IACUC) by attending monthly meetings and providing one-on-one consultations and conducting literature searches in support of IACUC proposals.
- An HSLS librarian was a co-investigator on a grant project funded to develop self-report measures of eight factors (e.g., spirituality, locus of control) believed to be important in the healing process (PI: Carol Greco, The Healing Context In CAM: Instrument Development And Initial Validation).
- Librarians provided instructional support in the following Clinical Research Training Program of the Institute for Clinical Research Education:
 - *CLRES 2700 Fundamentals of Bench Research*
 - *CLRES 2300, Introduction to Systematic Reviews and Meta-Analyses*
 - *CLRES 2010, Clinical Research Methods*
 - *CLRES 2073- Introduction to Clinical and Translational Research Seminar*

- HSLs Molecular Biology Information Specialists were both course developers and instructors for *CLRES 2707, Bioinformatics Resources: Data Mining* and *CLRES 2708, Bioinformatics Resources: Data Analysis*.
- The HSLs Public Health Informationist spent 50% of her time in the GSPH Center for Public Health Practice (CPHP). Part of this responsibility is providing training on Grant Writing Basics sponsored by the Pennsylvania Public Health Training Center (PAPHTC). The training sessions took place throughout Pennsylvania, including Pittsburgh, Washington County, Philadelphia and Bradford. The Informationist also attended Directors' meetings, and provided information support to CPHP directors.
- HSLs librarians provided instructional support in a number of Pitt undergraduate and special summer programs:
 - Introductory bioinformatics classes were offered in the Training and Experimentation in Computational Biology (TechBio) summer program, and in University of Pittsburgh Cancer Institute's Summer Academy in Biomedical Informatics and Computational and Systems Biology (CoSBBi) program.
 - Librarians provided information literacy instruction and one-on-one consultations to the high school students in the University of Pittsburgh Health Career Scholars Academy.
 - Librarians taught MEDLINE and PsycInfo searching and EndNote basics to students in the First Experiences in Research course offered by Pitt's College of Arts and Sciences.
 - HSLs librarians offered instruction in the Research in Sports Science course in Pitt's School of Education.
- HSLs continued to host the School of Medicine's Laboratory for Educational Technology's (LET) server environment. With a complex infrastructure including locally-developed systems, commercial products and a separate Medical School firewall, we provide reliable service and stability for the *Zone, Navigator* and *VP Sim*.

B. External partnerships and collaborations

- In May 2011, HSLs was awarded a five-year contract (2011-2016) from the National Library of Medicine to serve as the Regional Medical Library (RML) for the Middle Atlantic Region of the National Network of Libraries of Medicine (NN/LM-MAR). The Middle Atlantic Region includes the states of New York, New Jersey, Delaware, and Pennsylvania. Network membership is free of charge; at the end of the first contract year in April 2012, there were 435 full MAR members and 375 affiliate members.

The NN/LM consists of eight competitively selected Regional Medical Libraries, and more than 6,000 libraries and agencies. The eight RMLs and the NN/LM member network support the National Library of Medicine's outreach efforts to health professionals and consumers to increase awareness, facilitate access, and provide training in the use of NLM's many Web-based information services, such as MEDLINE/PubMed (<http://www.pubmed.gov>), MedlinePlus (<http://www.medlineplus.gov>), and ClinicalTrials.gov (<http://www.clinicaltrials.gov>). As a Regional Medical Library, HSLs worked with a variety of intermediaries, including health sciences librarians, health care providers, public health professionals, public librarians, educators, community organizations, community colleges, health advocacy groups, faith-based

organizations, and self-help groups, to promote access to health sciences information. Serving as the Regional Medical Library to lead the NN/LM-MAR was a new role for HSLs, but one that is a logical extension of our previous outreach activities.

Highlights of NN/LM-MAR activities during the first contract year are detailed in Appendix 1 at the conclusion of this report.

- HSLs hosted International Open Access Week, October 24-30, 2011 with a special lecture, "Author Rights and Publishing Today: What You Should Know and Why You Should Care," presented by Denise Troll Covey, Principal Librarian for Special Projects at Carnegie Mellon University.
- Falk Library hosted "Against the Odds: Marking a Difference in Global Health", a traveling exhibit produced by the national Library of Medicine, from January 16-February 25, 2012. The exhibit highlighted examples of communities, countries, and international organizations successfully preventing disease, improving access to healthy food, promoting community health, and addressing the effects of war and violence on health. During the exhibit period, HSLs co-sponsored three lectures with the University's Center for Global Health. Sam Watson, PhD, presented a lecture on "Global Health in a Wartime Setting—Iraq;" Taylor Seybolt, PhD, presented "Health, Humanitarian Aid, and Conflict" and Phalguni Gupta, PhD, presented "HIV in India" as part of the Global Health and Underserved Population Series.
- In 2008, the University's School of Information Sciences (SIS) and HSLs were jointly awarded a three-year grant for \$991,311 from the Institute of Museum and Library Services (IMLS) to support the Certificate of Advanced Study in Health Sciences Librarianship (HealthCAS). The grant was continued for an additional year in 2011-12. The program's goal is to offer specialized preparation for professional positions in health sciences libraries through online coursework, an applied research project, mentoring experiences, and attendance at the annual meeting of the Medical Library Association. Nine HSLs librarians participate as instructors for the three courses. The 2nd cohort of 11 students graduated in May 2012. The third cohort of 11 also began in May 2012.

Positive outcomes from the first two years are many. All of the students in the first two years had their research projects accepted as a poster presentation at the national meeting of the Medical Library Association (MLA). For many, this was their first poster presentation at a national meeting. Three published their research results in peer reviewed journals, and one more article is in preparation. One student was awarded a 1st Place Research Award for presenting her research project at a professional meeting. Other students have received professional awards from their home institutions and/or from MLA.

In addition, three students found employment in a health sciences library during their program year. One of the students moved to a health sciences library from a non-health sciences library during her year as a student. Two students were promoted within their institutions, and yet another received a raise in salary upon successful completion of this program.

- HSLs librarians collaborate in other ways with the University's School of Information Sciences (SIS). One SIS field placement student spent 150 hrs (3 credits) working with

HSLs librarians on projects at UPMC Shadyside Libraries. We hosted one student from the school's Partners Program during the past year. Students in this program receive practical training and hands-on library experience in addition to salary support and reduced tuition.

- The Head of the HSLs Molecular Biology Information Services participated as an instructor in a three-day international workshop on bioinformatics at the Institute of Genetic Engineering in Kolkata, India. Approximately 65 students participated in the workshop
- A nationally recognized 2.5 day Systematic Review workshop is co-taught by five HSLs librarians. Its goal is to provide participants with an understanding of the theory and practice of systematic reviews and the librarian's role(s) in the systematic review process. The workshop is limited to 22 participants. The workshop was offered 3 times this past year, and each session filled within weeks of announcement.
- As a leader in metadata creation, HSLs cataloged open access journals in health sciences through the CONSER (Cooperative Online Serials Program)'s Open Access Journal) Project of the Library of Congress.
- An HSLs librarian is a member of the committee from the NNLM Middle Atlantic Region tasked with developing and implementing a "value of libraries planning study" to measure the value of the health sciences library, library services, and librarian.
- HSLs lends books, book chapters, and articles to libraries throughout the world through interlibrary loan networks. Nationwide, there continues to be a decreasing amount of interlibrary loan activity. The drop in HSLs lending activity continues to reflect this nationwide trend, as HSLs lending decreased 10% in the past fiscal year. In FY11-12, 18,991 lending requests were filled for 740 different libraries across the U.S. and around the world.
- HSLs has continued to offer a discounted ILL service to Pennsylvania and Delaware hospital libraries with under 500 beds.
- FY11-12, HSLs became a member of the Global Interlibrary Loan Framework (GIF). The GIF is a reciprocal arrangement between North American and Japanese academic libraries and research institutes; GIF's mission is to provide North American researchers with access to materials available in Japan, and Japanese researchers to materials held in the United States.

GOAL 6: Cultivate an environment of learning for librarians and staff that encourages ongoing assessment and evaluation, creativity, innovation, and growth. Capitalize on new opportunities and challenges as they arise.

In the past year, the library engaged a consultant from Lyris, a non-profit library membership organization, to conduct a workflow analysis and redesign of the Technical Services Department. Specifically, the consultant was requested to analyze the current processes, and to make recommendations based on current and emerging best practices to streamline workflow to reduce redundancy, eliminate gaps and create new efficiencies.

As a result of the consultant's report and our internal analysis, the library's Technical Services and Computer Services departments were consolidated into one Digital Library Services department under the direction of Fran Yarger, who became HSLs Associate Director for Digital Library Services. Processes were re-designed to improve responsiveness to the needs of library users, position descriptions were re-written, and staff cross-trained for new responsibilities. The new Digital Library Services (DLS) department maintains and manages HSLs's digital infrastructure, including e-resources, information access points, metadata, desktop and mobile computing, multi-modal technology support and technology education.

A continuing objective of HSLs is the recruitment and retention of well-qualified faculty and staff, and proactive planning for personnel transitions, whenever possible. Incorporating the new contract to serve as the Regional Medical Library for NN/LM-MAR into the library organizational structure led to several reassignments. Appointments and promotions of faculty librarians during the past year include:

- Charles Wessel, formerly Head of Hospital Services, now serves as Head of Access Services.
- Jeff Husted was promoted to Head of Collections.
- Melissa (Missy) Harvey, is NN/LM MAR Technology and Communication Coordinator
- Kate Flewelling, is NN/LM MAR Outreach Coordinator
- Lydia Collins, is NN/LM MAR Consumer Health Coordinator
- Michelle Burda, formerly HSLs Consumer Health Librarian, is now NN/LM MAR Network and Advocacy Coordinator

In the past fiscal year, the University offered a Voluntary Early Retirement Program (VERP) for longstanding staff members. Mary Lou O'Shea, Administrative Secretary, and Ruth Deer retired under the VERP program in June. As a result, library business operations were re-organized, and Tristan Lucchetti, MBA, formerly NN/LM MAR administrator, was appointed HSLs Business Manager.

The HSLs Management Council meets bi-weekly with the following members:

- Barbara Epstein, Director (Chair)
- Nancy Tannery, Senior Associate Director
- Fran Yarger, Associate Director for Digital Library Services
- Renae Barger, Executive Director, NN/LM-MAR
- Ansuman Chattopadhyay, Head, Molecular Biology Information Service
- Charles Wessel, Head, Access Services

- Jeffrey Husted, Head, Collections

In accordance with a directive from the Senior Vice Chancellor's Office, the HSLs underwent a strategic planning process, and submitted our completed long-range plan and budget projection by the specified due date of June 30, 2012. This plan is posted on the HSLs website at <http://files.hsls.pitt.edu/files/long-range-plan.pdf>

HSLs librarians participated extensively in professional development activities, paper and poster presentations at professional meetings, and published in peer-reviewed journals. These activities are listed in Appendix 1.

GOAL 7: Redefine space to best accommodate the delivery and storage of information resources and services.

While use of the library's digital collection continues to rise, the gate count or the number of people who enter Falk Library remains steady. Library surveys indicate the large majority of library users are students.

Maintaining and upgrading the physical spaces in Falk Library is a continuing challenge. Ongoing reconfiguration of library space is a result of changes in user behavior, emerging technologies for information delivery, and demographics of the health center community.

Much of the past year was spent in planning for renovations on Falk Library's upper (mezzanine) floor. The scope of the project includes construction of an office suite for the six MAR staff members; an expanded Computer Help Desk as a focal point for assistance with technology and circulation of laptops and tablets; four additional group study rooms for students and faculty; re-carpeting and repainting; and a relocated computer classroom. This renovation will extend the use of computers, laptops and tablets throughout the library rather than confining these to a computer lab.

APPENDIX 1

HSLs as Regional Medical Library (RML) of the Middle Atlantic Region (MAR) of the National Network of Libraries of Medicine (NN/LM) Highlights of Contract Year One (May 1, 2011-April 30, 2012)

Initial activities were focused on recruiting staff, transferring outstanding operations from MAR's previous home at New York University, introducing the new RML to the region, re-building the membership base, and initiating outreach and educational activities.

One of our most important achievements was to recruit an enthusiastic, team-based staff. Six of the seven staff positions were filled by October 2011, with the remaining position filled in January 2012. These included the Executive Director, Technology & Communication Coordinator, Outreach Coordinator, Consumer Health Coordinator, Network & Advocacy Coordinator, and an Administrator. The HSLs Director serves as the RML Director.

Temporary office space, on the upper floor of Falk Library, was assigned for MAR staff. Construction of permanent offices and a renovated training room will be completed by October 2012.

MAR staff traveled throughout the region and promoted NN/LM services and membership, solicited feedback to help direct programming and provided onsite demonstrations of NLM databases during site visits. Staff visited 51 locations and interacted with over 100 librarians, K-12 educators, community and faith-based leaders, along with unaffiliated public, mental and general health professionals.

Regional chapters of the Medical Library Association, health sciences library groups, hospital library services programs, educators and community groups responded warmly and positively by inviting MAR to present during their annual or quarterly meetings. Ten formal presentations were given to over 250 attendees.

MAR trained over 450 individuals through 27 course offerings. These occurred in person as well as online, asynchronously and synchronously. MAR reached another 83 individuals through 3 hosted CE courses and 2 MLA webinars at the University of Pittsburgh. Additionally, MAR worked with the Central New York Library Resource Council and the NN/LM National Training Center to bring the *PubMed for Trainers* course to Syracuse, NY.

Presentations, formal classes and training events were attended by hospital, academic, public and school librarians, unaffiliated mental health workers, health care providers, public health professionals, YMCA staff, community-based and faith-based leaders, school principals and the general public.

MAR staff promoted NLM resources to over 1,000 health professionals, public health workers, community-based leaders and librarians through exhibiting at four national and eight regional or state meetings. Staff also reached a large number of health consumers during a local employee health fair in Pittsburgh. During the national conference for the North American YMCA Development Organization, MAR provided an extra program presence through a scheduled presentation highlighting the NN/LM and consumer resources. MAR presented on "Community

Day Emergency Preparedness Pilot Projects,” on behalf of NLM during the Public Library Association National meeting. MAR also offered a workshop while exhibiting at a meeting of New York City school librarians.

In February 2012, MAR invited volunteers to serve on the Regional Advisory Committee (RAC) or one of four Special Advisory Groups (SAGs):

- Resource and Academic Libraries
- Outreach to Health Professionals and Public Health Workers
- Hospital Libraries, and
- Consumer Health.

Committee members are geographically dispersed and come from varied backgrounds and areas of expertise, including resource and academic libraries, hospital libraries, mental health professions, public health leaders, public libraries, patient educators, and community-based organizations. In April, the RAC and SAGs held in-person meetings in Pittsburgh. Future meetings will be conducted virtually.

MAR staff worked with Network members, including librarians, community-based and faith-based organizations to bring project ideas and partnerships to fruition. MAR invited trainers from the Pennsylvania Public Health Training Center to offer a 5-hour workshop titled *Grant Writing Basics*. MAR staff attended along with fourteen academic and public librarians and staff from community based organizations.

MAR awarded 24 subcontracts to support technology improvement, outreach to health professionals and consumers, new roles for information professionals, MedlinePlus Connect, the Value of Libraries Study, and a group licensing initiative for hospital libraries.

Subcontractors offered 25 trainings to reach 528 health professionals, public health workers, seniors, veterans and military and other members of the general public. These included:

- ‘Emergency Preparedness: Enhancing Communication and Access to Health Information project at UPSTATE’ - offered a training day that included NLM/NIH disaster resources to Emergency Preparedness coordinators in regional hospitals, spanning 5 counties.
- ‘Outreach Training to Unaffiliated Health Professionals in Rural Areas’ – offered 7 trainings that featured applicable NLM resources to health care providers and public health workers in rural counties surrounding Rochester, NY.
- ‘Consumer Health Outreach to Older Adults: Health Literacy Training’ - offered 5 trainings to public library staff and seniors which featured MedlinePlus, NIHSeniorHealth, stress management and heart disease.
- ‘Hazelwood YMCA 2012 Winter Workshop Series’ – offered 3 workshops highlighting MedlinePlus, healthy eating and nutrition to the general public.

- 'Integrating Library Resources, Technology, and Point-of-Care' – offered training on applicable mobile resources to health professionals.
- 'Mid-Atlantic Behavioral Health, Behavioral Health Issues in our Senior Population' – offered training featuring MedlinePlus to seniors and health professionals.
- 'Connecting Service Personnel, Veterans and Military Families to Health Information Resources' – offered 3 trainings featuring the MedlinePlus veterans and military health page and stress management.
- 'Expanded Information Access for Public Health Workers' – offered a day long workshop providing evidence based practice training to public health workers and public health nurses in Dutchess County, NY.

MAR awarded 18 professional development awards; 13 to individuals and 5 to MLA chapters, associations or institutions.

In order to support librarians in extending or improving evidence-based information services, eight Network member librarians were funded to attend "Systematic Review Workshop: the Nuts and Bolts for Librarians" offered by HSLS. Other individual awards funded continuing education for grant development, attendance at the *ILLiad* annual conference, *Computers in Libraries* conference and *PubMed for Trainers* course.

The awards to regional MLA chapters, associations or institutions benefited over 200 health sciences librarians:

- The Philadelphia Chapter of the Medical Library Association used funding to host two professional development opportunities: one to give librarians a working knowledge of the need for data curation and a greater understanding of the role of libraries in data management planning, and one to support expenses for continuing education course on translational bioinformatics.
- New York University used funding to support expenses for three workshops: *Foundations in Bioinformatics and Searching*, *Translational Bioinformatics* and *NCBI BLAST and Sequence Similarity Searching*.
- Both Albert Einstein College of Medicine and the New York/New Jersey Chapter of the Medical Library Association were awarded funding to host a continuing education courses titled *EBM and the Medical Librarian*.
- The Health Sciences Library Association of New Jersey used funding to celebrate their 40-year anniversary by inviting author Dr. Lisa Sanders to speak on the complexity of the human body and the library's role in supporting health professionals.

APPENDIX 2

Professional Activities of HSLs Librarians

AWARD

The Carroll F. Reynolds Medical History Society announced the establishment of the Erlen Lectureship, to recognize the many contributions of HSLs History of Medicine Librarian Jonathon (John) Erlen, PhD, to the Society. The Erlen Lectureship will be presented annually in February as one of the Society's featured activities.

PUBLICATIONS

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Husted, JT, Czechowski, LJ. Rethinking the reference collection: exploring benchmarks and e-book availability Medical Reference Services Quarterly 31 (3): 267-279.

Jonathon Erlen, authored a list of history of medicine dissertations in the following publications:

- H-Disability: An H-Net Discussion Network, *123, August 2011; 124, September 2011; 127, December 2011*
- The Review of Disability Studies: An International Journal, *7(2): 62-64, and 7(3-4): 106-109 2011.*
- Journal of the History of Sexuality *21, no. 2 (2012): 360-1*
- Pharmacy in History *52 no.3 (2011): 116-8.*

Jonathon Erlen, served as a major contributor to “ISIS Current Bibliography of the History of Science and Its Cultural Influences 2011.” Chicago: University of Chicago Press, 2012.

PRESENTATIONS

Michelle Burda, Melissa Ratajeski, and Charlie Wessel presented a Web conference talk “Magnet Experience: Providing Services that Facilitate Quality Care, Evidence-Based Practice and Leadership at your Institution” for the Atlanta Health Science Libraries Consortium meeting on July 14, 2011.

Jonathon Erlen presented a talk, “Human Experimentation in 20th Century American Medicine: Myths and Realities,” at the Honors College and History Department, Florida Gulf Coast University, Ft. Meyers, FL, on January 27, 2012, and at the Department of General Internal Medicine Grand Rounds, Emory University School of Medicine, Atlanta, GA, on March 1, 2012.

Barbara Epstein, moderated a plenary panel titled “Comparative Effectiveness: Trends and Issues.” Medical Library Association’s Annual Meeting held in Seattle, Wash., May 18-23, 2012.

Carrie Iwema, was a panelist on the AAAS/Science Translational Medicine Reception and Panel where she presented “Personal Genomics, Personalized Medicine, and You” Medical Library Association’s Annual Meeting held in Seattle, Wash., May 18-23, 2012.

Paper Presentations:

Melissa Ratajeski, Ahlam Saleh, John LaDue “By Librarians for Librarians: A Database to Share Biomedical Terminology and Strategies for Comprehensive Searches” at the Medical Library Association Mid Atlantic Chapter’s annual conference, in Richmond, VA on October 12, 2011.

Carrie Iwema, Ansuman Chattopadhyay “Covering the Bases: Running a Library-Based Bioinformatics Service at a Health Sciences University.” Medical Library Association’s Annual Meeting held in Seattle, Wash., May 18-23, 2012.

Nancy Tannery, Barbara A. Epstein, Ester Saghafi, Susan Alman, Christinger Tomer “The Development of a Post-Masters Online Curriculum in Health Sciences Librarianship” at a pre-conference satellite meeting at the International Federation of Library Associations and Institutions (IFLA) General Conference and Assembly in Puerto Rico, August 2011.

Poster Presentations:

Barbara Epstein, Carolyn E. Lipscomb, Lynn Kasner Morgan, Julia F. Sollenberger, and M.J. Tooley. "Building a Farm Team: 10 Years of Developing New Academic Health Sciences Library Directors—The NLM/AAHSL Leadership Fellows Program." Medical Library Association's Annual Meeting held in Seattle, Wash., May 18-23, 2012.

Melissa Ratajeski, "Using QR Codes to Promote E-Books." Medical Library Association's Annual Meeting held in Seattle, Wash., May 18-23, 2012.

Ahlam Saleh, Melissa Ratajeski, Marnie Bertolet "Grey Literature Searching in Health Sciences Systematic Reviews." Medical Library Association's Annual Meeting held in Seattle, Wash., May 18-23, 2012.

ATTENDANCE AT PROFESSIONAL MEETINGS

Association of American Medical Colleges (AAMC)/ Association of Academic Health Sciences Libraries (AAHSL), Annual Meeting, Denver, CO, November 2011

Barbara Epstein
Nancy Tannery

AAMC Northeast Group on Educational Affairs, Boston, MA, March 2012

Nancy Tannery

AAHSL Leadership Fellows Program, Capstone Event , Washington, DC, September 2011

Barbara Epstein

American Public Health Association Annual Conference, Washington, DC, October 2011

Barbara Folb

Charleston Conference, Charleston, SC, November 2011

Jeffrey Husted

BioMed Central Conference: Beyond the Genome – Washington, DC, September 2011

Ansuman Chattopadhyay

Business Computer Skills class: Excel 2010, Pittsburgh, PA, January 2012,

Michael Yaklich

Computers in Libraries Conference ,Washington, DC March 2012,

Jill Foust

International Federation of Library Associations (IFLA) Annual Meeting , San Juan, PR, August 2011

Nancy Tannery

Library of Congress, CONSER (Cooperative Online Serials Program) Meeting, Washington, DC,
May 2012

Liping Song

Medical Library Association Annual Meeting, Seattle, WA, May 2012

Rebecca Abromitis

Renaë Barger

Michelle Burda

Lydia Collins

Barbara Epstein

Missy Harvey

Kate Flewelling

Jeffrey Husted

Carrie Iwema

Mary Lou Klem

Melissa Ratajeski

Ester Saghafi

Ahlam Saleh

Nancy Tannery

Medical Library Association, Mid Atlantic Chapter Conference, Richmond, VA, 2011

Melissa Ratajeski

National Library of Medicine, Orientation for New Staff of the National Network of Libraries of
Medicine, Bethesda, MD, December 2011

Renaë Barger

Lydia Collins

Barbara Epstein

Kate Flewelling

Missy Harvey

Tristan Lucchetti

Society for Scholarly Publishing Annual Meeting, Arlington, VA, June 2012

Barbara Epstein

Sustaining the Digital Research Enterprise, Rockville, MD, October 2011

Barbara Epstein