



Annual Report FY 2012-2013

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 57 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 23.5 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 315,000 print volumes, including 150,000 monographs. Approximately 160,000 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 5,900 electronic journals in the health sciences. The electronic collection, managed by HSLs Digital Library Services, also includes 2,700 e-books and 100 databases or publisher collections of full-text information. Over 1200 new e-resources were added to the HSLs Collection in FY12-13. Examples include:

- CLC Genomics Workbench (in partnership with the University's Institute for Personalized Medicine).
- NextBio Enterprise
- Partek Flow
- Other new resources: Journal of Visualized Experiments (JoVE), Journal of Comparative Effectiveness Research, The Journal of Interprofessional Care, additional Henry Steward Talks media and Irwin and Rippe's Intensive Care Medicine e-book.

At the end of the year, HSLs was finalizing negotiations to license DSM 5, and Clinical Key.

In FY2012-13, 11,500 books were borrowed or renewed in HSLs libraries. This is a decrease 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. HSLs continues to review/discard older, little-used print books and

journals, particularly those that are duplicated in electronic format and/or are held by other Pitt libraries.

Building a library collection is a complex process of balancing the needs of a diverse user population, a finite budget, and subscription costs and licensing fees 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, annual cost increases, 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 2013, HSLs canceled subscriptions to 56 e-journals and 5 print journals. The savings realized through these cancellations enabled HSLs to absorb cost increases for the remaining journal titles. A total of 48 e-journals were added or reinstated to the collection, in some cases by swapping out little-used titles in journal packages. The transition of HSLs's current journal collection from print to electronic is complete, with only 3 current print titles received, all of which are published locally and donated to HSLs.

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) is the entry point to the wide range of HSLs resources and services with over 50,000 users per month accessing more than 600,000 pages of information. The most popular HSLs entry points are the homepage featuring library news and easy access to library materials, the comprehensive Journals A-Z list, the calendar of Falk Library classes and the HSLs Molecular Biology site.

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.

The Technology Help Desk staff support multiple library-based technology services for health sciences students, faculty and staff, including desktop computer support, circulation of laptops and tablets, Group Study Room scheduling and specialized technology classes such as Prezi and Power Point for Posters. Staff at the Technology Help Desk also support HSLs classroom scheduling, HSLs instruction technology and provide expert guidance in emerging technology.

HSLs public desktop computers were well utilized. On average, Pitt's health science students, faculty and staff used the 57 public desktop computers over 350 times per day. Of note, these computers were used for over 5,000 authenticated logins in to the School of Medicine's online curriculum- Navigator and the Zone. HSLs circulating laptops continue to be popular with over 1,200 check-outs per year. Circulating tablets are still in demand as well, with over 600 circulations last year.

Falk Library's group study rooms continue to be a popular location for students, staff and faculty. In 2013, HSLs added 4 new Group Study Room including areas for smaller groups. Over 3,500 health sciences groups have used the 8 Group Study Rooms, totaling over 11,000 usage hours. This is a 37.5% increase in use from 2012.

HSLs Document Delivery Service supports 641 active Document Delivery accounts. During the past year, HSLs users requested 4,733 journal articles or books. About 3,246 of these requests were filled from HSLs collections. Only 1,587 were borrowed from outside institutions, a 5% decrease from the previous year. This metric confirms 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. There were over 2,850 requests for materials at HSLs' off-site storage facility this past year.

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 FY2012-13 librarians provided 90 instructional sessions to over 2,700 students in the health sciences.

In addition to the active teaching schedule of the school liaison librarians, a "Workshop Restructuring Group" of three HSLs reference librarians met regularly to review and re-design the library's educational offerings. Results of their work included:

- Painless PubMed: one-hour drop-in classes scheduled at various times and days
- FlashClasses: these were piloted successfully in winter 2013. Based on just-in-time scheduling, the FlashClass system proposes one or two topics each week and invites HSLs patrons to sign up for a one-hour class the following week. If enough people sign up, they are notified and the class is held. If not, the class is canceled. This system solves the problem of people signing up for classes scheduled far in advance, and then failing to attend due to forgetfulness or scheduling conflicts.

An updated HSLs Photoshop class created a more hands-on and task-based content experience.

The Molecular Biology Information Service offers regular Wednesday Workshops, hands-on workshops on 19 rotating bioinformatics topics to 410 attendees.

Tsinghua University scholars attended seven information sessions to introduce them to the librarian faculty at HSLs and to the many resources available. Examples of these sessions included: Genome Browsers, DNA Sequence Analysis and Protein Sequence Analysis

In total, HSLs librarians provided instruction or consultation to over 4,000 faculty, students and staff.

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

Reference librarians performed over 460 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 reference librarians to organize and present library collections in a technology-enabled customizable fashion. Newly designed LibGuides this year include:

- School of Pharmacy Portal
<http://hsls.libguides.com/school-of-pharmacy>
- Managing Your References with EndNote or Mendeley,
<http://hsls.libguides.com/citation-manager>

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:

- Beginning with the March 2013 issue, the *HSLs Update* newsletter moved to a monthly publication (formerly it was published bimonthly), with fewer articles per issue. This new format is more readable and allows us to provide faster access to news, classes, and other events.
- A weekly blog, *What’s New @ HSLs MolBio*, was launched to promote Molecular Biology workshops, licensed tools, and information of interest.
- 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

- Digital signs in the library's lobby and in Scaife Hall 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.

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

A. Internal partnerships and collaboration

Data Management Partnerships

In response to the growing research focus on sharing of research data and data management planning, three HSLs librarians formed a working group to explore the issue and develop a series of in-house workshops for librarians. Six workshops were presented:

- Overview of research data management
- Metadata
- Data storage, backup & security
- Legal & ethical considerations
- Data sharing & re-use
- Archiving & preservation

As a result of this investigation, the Data Management team formed a partnership with CTSI's Responsible Conduct of Research Training Center to offer a series of workshops in FY14 on data management topics.

The Data Management working group also developed a survey to collection information on Pitt researcher's data management awareness and practices. The survey was piloted with a test group, and after revision, received IRB approval in May 2013. The survey was distributed to various listserv in the schools of the health sciences, and posted on the HSLs homepage. As of June 20, 2013, 235 responses were received. Data will be analyzed in the coming year.

IACUC

A reference 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.

Systematic Reviews

Reference librarians also participate in systematic review (SR) research teams, providing comprehensive database searches, and ensuring that current standards for reporting and methodology are maintained. Librarians are generally included as co-authors on resulting publications. Examples of collaboration with Pitt faculty SR projects completed or in process this year are:

- Impact of omega 3 fatty acids on risk of cardiovascular events; preliminary results were reported at the annual meeting of the American Heart Association

- HIV prevalence rates in men who have sex with men and women (MSMW); preliminary results accepted for presentation at upcoming meeting of the American Public Health Association.
- Scoping review of the research literature on teen dating violence
- Systemic factors influencing adherence to HIV medications
- Low-dose transdermal administration of estrogen for treatment of vasomotor systems/hot flashes in menopause
- Hypertension medications and sleep apnea

Grant-supported Research

A reference librarian continues as a co-investigator on a grant projects which include developing measures of patient-reported outcomes for trials of complementary/alternative medicine interventions (Greco, UPMC Center for Integrative Medicine), and another developing measures of patient-reported outcomes for substance abuse disorders (Pilkonis, WPIC).

HSLs librarian participated as an investigator in the grant - multi-pronged genetic studies of schizophrenia in an inbred population, (Nimgaonkar, WPIC)

Instructional Support

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 2707 Bioinformatics Resources: Data Mining
- CLRES 2300, Introduction to Systematic Reviews and Meta-Analyses
- CLRES 2010, Clinical Research Methods

HSLs librarians provided instructional support in a number of Pitt undergraduate and special summer programs:

- Introductory bioinformatics classes were offered in Training and Experimentation in Computational Biology (TechBio) summer program and in UPCI Summer Academy- 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.
- HSLs librarians offered instruction in the Research in Sports Science course in Pitt's School of Education.

School of Medicine

HSLs Digital Library Services continued to host the School of Medicine's Laboratory for Educational Technology's (LET) server environment. With a complex infrastructure we provide reliable service and stability for the *Zone*, *Navigator* and *VP Sim*.

B. External partnerships and collaborations

NN/LM

On April 30, 2013, HSLs completed the second year of our five-year contract with the National Library of Medicine (NLM) to serve as the Regional Medical Library for the Middle Atlantic Region of the National Network of Libraries of Medicine (NN/LM MAR).

Our role is to support NLM in providing health professionals with access to biomedical information and improve the public's access to information so they can make informed decisions about their health. Serving as the Regional Medical Library to lead the NN/LM MAR has been a new role for HSLS, but one that is a logical extension of our previous outreach activities. As one of only eight regional libraries in the country, we are in close contact with the National Library of Medicine, and serve as a conduit for promoting NLM resources and services, and for bringing feedback to NLM from our region.

There is a staff of 6.1 FTE, who have carried out a wide range of activities and programs in our four-state region (NY, NJ, PA & DE).

In our second year, NN/LM MAR staff provided training to over 6,000 librarians, health professionals, public health workers, staff at community-based organizations, K-12 school personnel, and the general public through:

- 67 site visits made to member institutions
- 89 scheduled training sessions or presentations
- 693 resource demonstrations while exhibiting at three national and 33 state or local conferences attended by health professionals and consumer groups
- 10 workshops or CEs offered at state or local conferences

NN/LM membership is free of charge, and open to any library, information center, or other organization that provides health information to health professionals or the public. Members include hospital, academic, public and school libraries; community health centers; public health departments; and community-based and faith-based organizations. This year we increased membership by approximately 10%, bringing the total to nearly 900 institutions or organizations.

MAR members are eligible to apply for modest subcontracts to support projects that improve access to quality health information. In Year 2, NN/LM MAR awarded over \$450,000 to fund projects to support technology improvement for health information access, outreach to health professionals and consumers, emergency preparedness readiness, MedlinePlus Connect, the Value of Libraries Study, and a group licensing initiative for hospital libraries. NN/LM MAR funding provided support for subcontractors to:

- Offer 132 trainings and 46 exhibit opportunities to educate and promote awareness of NLM resources to 2,806 health professionals and consumer groups
- Purchase technology to promote evidence-based health information and offer new or improved reference services
- Attend or host professional development events and CEs to expand knowledge and experience; and to provide improved health information access and/or services to healthcare researchers, providers and consumers

NN/LM MAR also supported an invitational workshop on research data management planning and curation in Philadelphia for representatives of our region's academic medical center libraries.

HSLS was awarded 3 NN/LM MAR subcontracts:

- Assessment of Information Literacy Skills and Training Needs of Hospice Nurses

- A Clinical Information Tool for Community Health Centers: A Feasibility Study
- Training Award for HSLs Molecular Biology Information Specialist, to develop and present a course titled ABCs of DNA: Unraveling the Mystery of Genetic Information for Consumers, aimed at health sciences librarians, public librarians, and consumers. The class was offered three times to audiences in New York City, Long Island NY, and Buffalo NY. This class will continue to be offered to regional audiences in FY14.

An HSLs reference 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.

NLM Exhibit

Falk Library hosted *Rewriting the Book of Nature: Charles Darwin and the Rise of Evolutionary Theory*, a traveling exhibit from the National Library of Medicine, from August 26 through October 6, 2012. The exhibit was developed to mark the 200th anniversary of the birth of Charles Darwin in 1809 and the 150th anniversary of the publication of *On the Origin of Species* in 1859. It was produced by the History of Medicine Division of the National Library of Medicine and the Office of History, National Institutes of Health.

In connection with the exhibit, HSLs hosted two lectures:

- On September 12, 2012 Robert Olby, Research Professor in the Department of History & Philosophy of Science, University of Pittsburgh, spoke on "Charles Darwin's Challenge to the Skeptics."
- Adam Davis, lecturer in the Department of History, Duquesne University, spoke on September 27, 2012. Mr. Davis' teaching encompasses the history of science and the impact of scientific discoveries.

Foundations and Associations

In fall 2012, the Infectious Disease Society of America (IDSA) requested a proposal from HSLs for reference librarians to perform searching for systematic literature reviews to support development/revision of clinical practice guidelines. Two reference librarians took the lead in consulting with IDSA practitioners in carrying out this project.

A reference librarian was invited to participate in a series of four systematic reviews conducted by an international group of nursing and transplant researchers and clinicians, funded by the Brocher Foundation. She created PubMed searches for each of the 4 topics, and provided extensive consultations as investigators translated those searches for use in other databases. In January 2013, she was funded to attend a 4-day meeting of the group in Geneva, Switzerland.

International

In summer 2012, the head of the Molecular Biology Information Service, was invited by three institutions in India to offer workshops on emerging bioinformatics topics. He lectured at the Human Genetics Unit of the Indian Statistical Institute and the Institute of Genetic Engineering, both in Kolkata. He also lectured at the National Institute of Biomedical Genomics in Kalyani.

HealthCAS

HSLs partnered with Pitt's School of Information Sciences (SIS) to develop a yearlong, online, 15-credit Certificate of Advanced Study in Health Sciences Librarianship (HealthCAS). The project was funded by a three-year grant from the Institute of Museum and Library Services (IMLS) for \$991,311, awarded in June 2009, and extended for a 4th year in 2012-13. The grant from IMLS supported the costs of curriculum development and evaluation, online course delivery infrastructure, and student recruitment. In addition, the grant provided tuition and travel scholarships for three cohorts of students accepted into the program.

Sixteen HSLs faculty librarians participated in the project to provide instruction during the four years of HealthCAS. The full-time instructors were appointed Adjunct Professors at SIS. The instructors were oriented to instructional design principles, online teaching and cohort building, and received extensive training on CourseWeb (Blackboard at the University of Pittsburgh). The HealthCAS faculty also worked with instructional designers and members of the SIS faculty in course development.

In total, 30 students were admitted into the program in three cohorts. Students came to HealthCAS from varied academic and professional backgrounds. Demographically they came from all areas of the US; as far west as California, Washington and Nevada; from the southern states of Texas, Alabama, Mississippi and Florida; from the Midwestern states of Nebraska, Illinois, and Indiana; and from the east (Maryland, Connecticut, Pennsylvania and Ohio).

All 30 students completed the HealthCAS program and earned 15 postgraduate credit hours from SIS. Three students found employment in a health sciences library during their program year. One student moved to a health sciences library from a non-health sciences library during her year. One moved from a hospital library to an academic research health sciences library. Two students were promoted within their institutions, and yet another received a raise in salary upon successful completion of this program. All of the students in the first two years had their research projects accepted as poster presentations at the national meeting of the Medical Library Association (MLA). Four published their research results in peer-reviewed journals. One student was awarded a First Place Research Award for presenting her research project at another professional meeting. Some of the students have received professional awards from their home institutions and/or from MLA.

Sustainability of HealthCAS was always a concern. Issues included questions about the value of a certificate in light of the high cost of Pitt's tuition, especially for students from outside of Pennsylvania. However, students who completed the Certificate of Advanced Study in Health Sciences Librarianship at the University of Pittsburgh believe that having done so enhanced their knowledge and skill sets in health sciences librarianship and, ultimately, increased their marketability to current or potential employers.

Systematic Review Workshop

The Systematic Review (SR) Instructional Team has taken a leadership role, locally and nationally, in their research of the SR process and provision of instruction and mentoring for librarians who will be part of SR research teams. The major accomplishment of the SR Team is development of the HSLs *Systematic Review Workshop: The Nuts and Bolts for Librarians*, <http://www.hsls.pitt.edu/systematicreview/>. This 2.5 day workshop, offered onsite in Pittsburgh, provides a comprehensive framework and discussion of the

librarian's role in the systematic review process, with special emphasis on successful completion of the literature search. It is designed to offer participants an understanding of the theory and practice of systematic reviews and the librarian's role in the systematic review process. The intended outcome is to prepare librarians to serve as a systematic review team collaborator and a facilitator in the systematic review process.

The workshop was offered three times in FY 13. To date, the workshop has been offered 11 times to 240 health sciences librarians and informaticians from 115 institutions across the United States and Canada. With the current emphasis on comparative effectiveness research, health sciences librarians educated in the SR process can play an integral role in improving patient outcomes.

Other Collaboration

As a leader in metadata creation, HSLS Digital Library Services cataloged open access journals in health sciences through the CONSER (Cooperative Online Serials Program)'s Open Access Journal) Project of the Library of Congress.

HSLS lends books, book chapters, and articles to libraries throughout the world through interlibrary loan networks. In FY12-13, 18,555 lending requests were filled for over 1200 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.

In September 2012, HSLS collaborated with the University Library System in initiate EZ-Proxy, a more secure and easy-to-use methodology for offsite access to library e-resources.

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.

Internal Working Groups- HSLS has a successful record of convening librarian working groups to explore various topics and present in-house workshops. Examples this year include:

- Teaching Enhancement Group, whose goal was to improve the teaching skills of HSLS librarians.
- Data Management Group
- Workshop Restructuring Group
- Mobile Apps Group developed a web site that provides information and links to the mobile resources available through HSLS licensed databases.
- Collection Development and Licensing Group manages the HSLS digital and print collection via licensing, contract and purchasing work.
- Knowledge Integration Group supports and maintains the HSLS web site and digital library including discovery tool creation and digital adaptations with 3rd party platforms.
- Digital Resource Development Group supports the use of Voyager, Pitt's enterprise Library Management Solution (LMS), in all aspects- automation, staff support and ULS collaboration and creates new digital artifacts from the "hidden" historical collection of HSLS materials.

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
- Jeffrey Husted, Head, Collections
- Charles Wessel, Head, Research & Reference Initiatives

Three librarians and one HSLs staff member are enrolled in advanced degree programs at Pitt. Two are in PhD programs and 2 in Master degree programs.

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.

In the first half of the year, Falk Library underwent a three-month renovation project on the mezzanine floor that resulted in four additional group study rooms; a remodeled and relocated computer classroom; a new technology help desk; and office space for the staff of National Network of Libraries of Medicine, Middle Atlantic Region. The space was also re-carpeted and re-painted.

One of the new group study rooms is equipped with the technology to help users practice class or other public presentations. The new media console allows users to videotape themselves giving a presentation as well as recording their onscreen presentation from a laptop. Saving the video files to a flash drive allows users to take their video presentations with them for review.

The library also purchased rolling whiteboards for the remodeled space. Users may move them anywhere in the library to work with collaborators or by themselves: to draw diagrams, solve equations, outline projects, or even to provide a walled-off private study space. They have proven to be very popular.

We continue to reorganize and update our space as budget permits. In the past year, the book collection was relocated from the upper floor to the main floor, exchanging places with the bound journal collection. This shift enabled us to remove extra shelving from the middle of the

main floor, resulting in less crowded and more pleasant study areas for students and other library users.

APPENDIX 1

Professional Activities of HSLs Librarians

HSLs Publications & Presentation (HSLs authors in **bold**)

Publications

Chen AF, **Wessel CB**, Rao N. Staphylococcus aureus: screening and decolonization in orthopaedic surgery and reduction of surgical site infections. Clinical Orthopedics & Related Research 2013 Jul;471(7):2383-99

Czechowsky L, Husted J. Rethinking the reference collection: exploring benchmarks and e-book availability. Medical Reference Services Quarterly 2012 Jul;31(3):267-279.

Doswell WM, Braxter B, Devito Dabbs A, Nilsen W, **Klem ML.** mHealth: technology for nursing practice, education and research. Journal of Nursing Education and Practice. 2013;3(10):99-109.

Lee K, Whelan JS, **Tannery NH**, Kanter SL, Peters AS. 50 years of publication in the field of medical education. Medical Teacher 2013 Jul;35(7):591-8

Marshall JG, Sollenberger J, Easterby-Gannett S, Morgan LK, **Klem ML**, et al. The value of library and information services in patient care: results of a multisite study. Journal of the Medical Library Association : JMLA 2013 Jan;101(1):38-46. PMID:23418404.

Saghafi EM, Tannery NH, Epstein BA, Alman S, Tomer C. Development of a post-master's online certificate in health sciences librarianship. J Med Lib assoc. 2012 Oct;100(4):310-313.

Presentations & Posters

Collins L. Beyond the library doors: consumer health outreach in community-based organizations (poster). Medical Library association Annual Meeting; 2013 May 3-8; Boston, MA.

Collins L. Information Everywhere in Support of Elder Care: Health Promotion Programs for the Aging Population (paper). Medical Library association Annual Meeting; 2013 May 3-8; Boston, MA.

Collins L, Matmbanadzo A. Crossing Boundaries to Provide Health Outreach to African Americans and African Immigrants. (Paper) Medical Library association Annual Meeting; 2013 May 3-8; Boston, MA.

Fedyshin MK, Ketchum A. The Core or Not-So-Core Clinical Journals Subset: Data-Driven Evidence on Clinical Utility (paper). Medical Library association Annual Meeting; 2013 May 3-8; Boston, MA.

Flewelling K, Garvey J. Supporting the information needs of critical access hospitals (poster). Medical Library association Annual Meeting; 2013 May 3-8; Boston, MA.

Folb B. Building the Capacity of Community-Based Organizations to Obtain Funds: Librarians Teaching Grant Seeking Skills (paper). Medical Library association Annual Meeting; 2013 May 3-8; Boston, MA.

Foust JE, Klem M. Integrating student evaluations into online teaching (abstract). Medical Library Association Annual Meeting; 2013 May 3-8; Boston, MA.

Foust JE, Jankovic. Video versus online text tutorials: consideration of learning styles (poster). Medical Library Association Annual Meeting; 2013 May 3-8; Boston, MA.

Harvey MJ. Tomato or tomahto? Helping medical librarians collaborate with science librarians to improve the value of libraries (poster). Medical Library Association Annual Meeting; 2013 May 3-8; Boston, MA.

Iwema C, Chattopadhyay A. Video-on-demand: bioinformatics instruction when needed (poster). Medical Library Association Annual Meeting; 2013 May 3-8; Boston, MA.

Sekikawa A, Hirooka N, Vishnu A, Ahuja V, Sampene E, **Klem ML** et al. Fatty acids reduce atherosclerosis cardiovascular disease: a systemic review and meta-analysis of clinical trials (abstract). American Heart Association EPI/NPAM Spring 2013 Scientific Sessions; 2013 Mar 19-22, New Orleans, LA.

Flewelling K, Bohn C. Online resources to support public health promotion (poster). New York State Public Health Association annual meeting; 2013 April 25, Troy, NY. (Funded by MAR)

Hartman LM, Folb B, Klem M, Ratajeski MA, Saleh AA, **Wessel DB, Ketchum AM.** What happens after: outcomes of a systematic review course (abstract). Medical Library Association Annual Meeting; 2013 May 3-8; Boston, MA.

Klein Fedyshin M. Translating evidence into practice at the end-of-life: information access, needs and usage by hospital and palliative nurses (Poster). Eastern Nursing Research Society; 2013 April 18; Boston MA. (funded by MAR)

HSLs librarian activities and accomplishments:

Jonathon Erlen, history of medicine librarian, was appointed to the American Osler Society's Executive Board for a three-year term.

Carrie Iwema, PhD, Molecular Biology Service information specialist, earned Senior Member status in the Medical Library Association's (MLA) Academy of Health Information Professionals and was appointed to MLA's Continuing Education Committee for a three-year term.

Andrea Ketchum, reference librarian, was appointed to the Medical Library Association's Scholarly Communication Committee for a three-year term.

Melissa Ratajeski, reference librarian, was elected Vice Chair of the Medical Library Association's Chapter Council for a two-year term.

Nancy Tannery, senior associate director, was appointed to the National Library of Medicine's Literature Selection Technical Review Committee (LSTRC) for a four year term. The purpose of this committee is to review journals for inclusion in MEDLINE, the world's premier database of biomedical journal literature. The committee meets three times a year, and consists of approximately 14 members. Two members are librarians, and the rest are scientists and clinicians.

Meetings Attended

- American Public Health Association (San Francisco CA, Nov 2012) – 1 attendee
- Association of Academic Health Sciences Libraries (San Francisco CA, Nov 2012) – 2 attendees
- Association of American Medical Colleges (San Francisco CA, Nov 2012) – 2 attendees
- Beyond the Genome Conference (Boston MA, Sept 2012) – 1 attendee
- Charleston Library Conference (Charleston SC, Nov 2012) – 1 attendee
- Data Management Workshop (Philadelphia PA, April 2013) – 3 attendees
- Library of Congress: CONSER (Cooperative Online Serials Program) Business Meeting (Washington DC, May 2013) – 1 attendee
- Consumer Genetics Association (Boston MA, Oct 2013) – 1 attendee
- Eastern Nursing Research Society Conference (Boston MA, April 2013) – 1 attendee
- Hospice & Palliative Nurses Association Conference (Boston MA, Apr 2013) – 1 attendee
- Interop: IT Expo & Conference (Las Vegas NV, May 2013) – 1 attendee
- Medical Library Association Annual Meeting (Boston MA, May 2013) – 15 attendees
- Medical Library Association, Quad Chapter Meeting (Baltimore MD, October 2012) – 1 attendee
- Research Data Access and Preservation Summit (Baltimore MD, April 2013) – 1 attendee