

Bernard Becker Medical Library

Annual Report – Fiscal Year 2023

Supplement and Appendices

About

Washington University School of Medicine and its teaching hospitals make up a complex organization on the vanguard of biomedical research, patient care, public health and educating the next generation of professionals. Becker Library provides resources and services to help faculty, staff and students accomplish their respective goals. We seek opportunities to assist people by giving them the tools, information, training, and connections to enable, improve and accelerate their work.

Mission

Becker Medical Library's mission is to provide a haven for study and scholarly reflection along with the resources, information, and expertise to deliver innovative support for advancing discovery, lifelong learning and improving human health.

Vision

In the pursuit of its mission, Becker Library:

- Commits to personal, timely and professional service.
- Fosters a culture that embraces the principles of diversity and inclusion.
- Ensures that it maintains a world-class collection of information resources, accessible anytime and anywhere.
- Engages faculty, students and staff to ensure that library resources and services keep up with their changing needs.
- Aligns the library's strategic initiatives in support of school priorities.
- Adopts technology solutions to extend access to and maximize the impact of library resources and services.
- Strives to demonstrate the value of medical libraries and define their future role within academic health sciences centers.

Becker Library fulfills its mission in many ways. It provides access to a truly world-class collection of scholarly journals, special collections, databases and clinical information resources. It also provides space and services to enrich the learning, research and patient care activities of the school. Becker Library strives to respect all dimensions of human differences and foster a diverse environment that is inclusive of all persons, regardless of racial or ethnic background, nationality, gender, gender identity, sexual orientation, veteran status, religious beliefs, ability, age or socioeconomic status. We are committed to exposing

and dismantling institutional racism and unearned privilege, particularly where we have influence in our workplace, in our professions, and in our university.

Divisions of the Library

Archives, Rare Books, and the Center for the History of Medicine

The archives and rare books sections serve as the historical repositories for the Washington University School of Medicine and its affiliated hospitals at the medical center. The archival collections document the history of the School of Medicine including its faculty and students, as well as the institutional histories of Barnes-Jewish Hospital and St. Louis Children's Hospital. The rare books collections comprise rare medical texts devoted to scholarship and teaching featuring 26,821 books and journals illuminating the history of medicine, with particular collection strengths in ophthalmology, neurology, anatomy, otolaryngology, dentistry, and obstetrics. In addition to serving students, scholars, and researchers through its special collections, Becker Library hosts a variety of outreach events throughout the year to foster interest in the history of medicine including quarterly exhibitions and a lecture series.

Significant Activities in Special Collections during Fiscal Year 2023

Archival collections stacks shifting and collection extent update project

In the fall of 2022, a significant effort was made to physically shift the archival collections in order to consolidate materials and maximize the use of shelving space on the 7th floor of the library. This physical move of collection materials was immediately followed by a collection-wide inventory to ensure that all collection materials were accounted for after being transferred to a new stacks location.

Over the course of 6 months, all 1,034 storage locations dedicated to archival material (966 shelves, 40 map case drawers, and 28 file cabinet drawers) were reviewed to ensure our collection location data was accurate, and all shelf location discrepancies were corrected in the archives database.

Additionally, the archives staff also measured the physical size of over 900 archival collections in order to provide updated extent statements in cubic feet for each collection. This collection holdings update project wrapped up in March 2023, and as a result, the archives staff now have significantly improved organizational control of collection materials with precise location and extent information for all archival collections at Becker Library. The most up-to-date collection measurement indicates that there are 3,238.30 cubic feet of archival collections at the Becker Library.

Comprehensive index to WU Medical Center publications

An extensive index to Washington University Medical Center publications is now available via the Becker Archives Database. This new resource consists of nearly 7,000 index headings for faculty, staff, departments, programs, and events related to the School of Medicine and its affiliated hospitals. Collectively, the index headings point to over 35,000 unique citations in medical center newsletters and magazines published over the course of the last century.

Publications referenced in this index include: Washington University Magazine, WU Record, Outlook Magazine, Washington University Medical Alumni Quarterly, Focal Spot (Mallinckrodt

Institute of Radiology), Barnes Hospital Bulletin, 216 Jewish Hospital Newsletter, and many others. Full-text issues of each of these publications is available online in the Digital Commons@Becker.

More information about the index is available here:

<https://becker.wustl.edu/news/index-wu-medical-center-publications/>

Major accessions to Becker Archives

There were two notable accessions to the Becker Archives in the past fiscal year: the Albert H. Fuller Papers and the Jerome Cox Papers.

Dr. Albert Fuller (1841-1912) was an 1871 graduate of both the St. Louis Medical College and the Missouri Dental College (predecessors of the Washington University School of Medicine and School of Dentistry respectively). After his service in the American Civil War, Dr. Fuller served as a professor of Operative Dentistry at the Missouri Dental College, and Dean from 1899-1901. This small collection highlights the personal documents of an accomplished dental surgeon and educator of the late 19th century. Included in this collection are three diaries he kept during his service in the Union Army throughout the Civil War, personal correspondence, and scrapbooks and lecture cards relating to the classes he taught at the Missouri Dental College.

Dr. Jerry Cox (1925-2023) was a long-time faculty member at Washington University who served as the director of research at the Central Institute for the Deaf, the chair of the Computer Laboratories at the medical campus, and the founder and chair of Department of Computer Science. This extensive collection highlights the significant contributions he made to incorporate the use of computers in biomedical research including radiation treatment planning, cardiac arrhythmia detection, and computer programming in the use of CT and PET scanners to diagnose cancer and evaluate treatment.

Travel scholarship

Dr. Elizabeth Bishop, PhD was awarded the Fall 2022 travel scholarship. She is an Associate Professor of History at Texas State University who spent the week of December 5-9, 2022 at the Becker Archives researching our collections that touched on medical uses of radioactive isotopes in the 1950s. She was particularly interested in Washington University's role in researching radioactive Carbon-14, and faculty connections between the university and the Manhattan Project.

Glaser Gallery Exhibits

There were three exhibits featured in the library's Glaser Gallery in the past year:

- Through the Scope: A Small History of Microscopy. (July 2022-October 2022)
- How Did We Get Hear? Historic Hearing Devices, 1800-2000. (November 2022-February 2022)
- In Their Own Words: Stories of Desegregation at Washington University Medical Center. (March 2023-June 2023)

With the easing of COVID safety measures in fiscal year 2023, more in-person programs were made available for these exhibits. The archives staff hosted two open houses for the spectacular hearing devices exhibit, and two private tours for this exhibit as well.

There was significant interest in the desegregation exhibit, which featured 17 audio clips taken from oral histories with faculty, nurses, and medical students who worked at the medical center

during the time of desegregation. Archives staff led four exhibit tours with the medical school's Office of Diversity, Equity, and Inclusion. Additional guided tours were made available for the ODEI Equity Champions groups, which were accompanied by post-tour reflection sessions.

Tour of Dr. H. Phillip Venable Memorial Park

Another special program tied to the desegregation exhibit featured a tour of Dr. H. Phillip Venable Memorial Park in Creve Coeur, Missouri on Tuesday, May 2nd. This informative tour of Venable Park was led by Dr. Geoff Ward, a Professor of African & African American Studies at WU, and by Meredith McKinley, a public art consultant employed by the city of Creve Coeur. Attendees learned about the tour guides' ongoing efforts to create a commemorative artwork project within the park that will engage visitors and highlight Dr. Venable's family story and the city's legacy of racial segregation.

During the two-hour tour, attendees learned about the history of Dr. H. Phillip Venable, who experienced housing discrimination in Creve Coeur during the 1950s. Dr. Venable, a WU ophthalmology professor who was prominently featured in our desegregation exhibit, ultimately lost his lengthy discrimination lawsuit with the city in the 1950s, which resulted in the seizure of his house and property by the power of eminent domain. A city park was created on the land that was taken from him. In a symbolic attempt to rectify the mistakes made by city officials seven decades later, this park was rededicated and renamed in Dr. Venable's honor in 2021. Tour attendees participated in a discussion about future plans and programs for the park and community.

When Disparities Remain: The Enduring Legacy of Segregated Medicine

The library hosted the two-part event *Legacies of (De)segregated Medicine* on February 23, 2023. The event began with a presentation by Stephen Logsdon on the history of segregation at the Washington University School of Medicine, which was followed by the 84th Historia Medica Lecture titled *When Disparities Remain: The Enduring Legacy of Segregated Medicine* by Dr. Ezelle Sanford III, Assistant Professor at Carnegie Mellon University. Following the lecture, an opening reception was held for the Glaser Gallery exhibit *In Their Own Words: Stories of Desegregation at Washington University Medical Center* on the library's 7th floor.

Rare Book Acquisitions

The rare books division follows a three-pronged acquisition strategy. First of all, it seeks to acquire works that support areas of existing strength, namely ophthalmology, neurology, obstetrics and gynecology, and psychiatry. Second, it acquires works that fall broadly under the field of "popular medicine," meaning works in the vernacular that reflect contemporary approaches toward sickness and disease. Finally, it actively seeks to develop its holdings in non-Western medical history. These areas of acquisition were chosen based on the makeup of the collections, our highly international community, and the areas of medical history that faculty and students have expressed interest in. The division is grateful to the Bernard Becker family and the Philip Seib family, whose donations provide the funds needed to grow our collections.

East Asian Texts

Genryu Ko. *Mushi Kagami (Intestinal Parasites)*. Kyoto: Hayashi Yoshibeï, 1807-1808.

Dosan Manasu. *Myaku sho sasunomiko (Medical teachings on the pulse from the Child of God)*. Japan: early mid-Edo period.

Japanese physiognomy manuscript. Edo period.

Ganka Kuju (Ophthalmological Knowledge Passed on by Mouth). Japan: late Edo period.

Ophthalmology and Optics

Dawson. *An Account of a Safe and Efficacious Medicine in Sore-eyes and Eye-lids*. London, 1782.

Silvio Belli. *Libro del Misurar Con la Vista*. 1566.

Popular Medicine

Andrew Boorde. *The Breviarie of Health*. 1598.

Thomas Vicary. *The English-mans treasure*. 1641.

Other Materials

Johann Martin Honigberger. *Thirty-five years in the East*. Calcutta: 1905.

Pierre Pomet. *Histoire Generale des Drogues*. Paris: 1694.

Kenelm Digby. *A late discourse... Touching the Cure of Wounds by the Powder of Sympathy*. London: 1658.

John Baptiste von Helmont. *A ternary of paradoxes*. London: 1650.

Johann Pfann. *Biblische Emblemata und Figuren... allen Krancken zu sonderm Trost anstatt der Schrift sind vorgemalt worden*. Nuremberg: 1626.

Gilles Corrozet. Regius Urbanus. *Der Todtentanz/Seelen Ertzney*. Germany: 1573.

Center for the History of Medicine

The Center for the History of Medicine in conjunction with the rare books division organized and hosted several events throughout the year, continuing its ongoing mission of promoting the history of medicine among the Washington University community and the public. These events included:

- **The Fantastical Anatomical Collections of Frederick Ruysch.** This one-day symposium focused on the work of Frederick Ruysch, an anatomist of the Dutch Golden Age known for creating spectacular tableaux with anatomical and pathological specimens. It featured presentations by Danforth faculty members Rebecca Messbarger and Claudia Swan, St. Louis Art Museum curator Elizabeth Wyckoff, and a keynote by Joanna Ebenstein, who edited a recent volume of Ruysch's work.
- **Historia Medica.** The Historia Medica lecture series continued with three presentations. Dr. Kristina Kleughten, from Washington University's Art History department, gave a lecture on a 17th century Chinese text on ophthalmologic lenses; Dr. Ezelle Sanford used St. Louis's Homer G. Philips as a case study for America's history of segregated healthcare; and Dr. Alessandro Poletto, Lecturer in the East Asian Studies department, spoke about healers in the ancient Japanese court.
- **Annual Display of Rare Anatomical Texts.** The rare book division's annual display of rare anatomical texts was held in person for the first time since 2019.
- **Other Outreach Activities.** The rare books division hosted a visit from Quill and

Scalpel, the undergraduate medical humanities club; continued its partnership with Olin Library for the Washington University by leading the discussion on *The Book of Madness and Cures*, and spearheaded the annual Color Our Collections event by creating coloring books and promotional material.

In March 2023, the Center for the History of Medicine sponsored a spring break trip to Italy for Phase I medical students interested in the history of medicine. Accompanied by Professor of Anatomy Kari Allen and Center for the History of Medicine Director Elisabeth Brander, students visited key sites in northern Italy to explore the history and cultural context of Renaissance anatomy. The experience gave participants a greater sense of both the heritage of their chosen profession and how medicine does not exist in a vacuum, but is heavily influenced by the culture in which it is practiced.

Prior to departure, students attended an orientation session in Becker Library's special collections reading room where they viewed a selection of the library's Renaissance-era texts. These included such seminal works as Andreas Vesalius's *De humani corporis fabrica* and Giovanni Morgagni's *De Sedibus et Causis Morborum*, as well as texts by other key figures including Mondino de Luzzi and Ulisse Aldrovandi. Attending these sessions helped lay the groundwork and provide context for what students would see on the trip itself.

Once in Italy, students walked in the footsteps of the anatomists whose works they saw at the library. The highlights of the trip were visits to Bologna and Padua, home of the two universities that stood at the peak of Italian medicine. In Bologna, students sat in the historic anatomy theatre in the Archiginnasio building, center of the ancient university. They then visited the Palazzo Poggi, where they viewed the university's historic anatomical collections that include full-size wax figures displaying the muscles and bones, ceramic models of human gestation, and other anatomical and pathological specimens.

Padua is similarly rich in medical heritage. Its original 16th-century wooden anatomy theatre is still extant, and students had the chance to stand inside and look up at the wooden rails where medical students once crammed together to observe dissections. They also explored the historic Palazzo Bo and learned about the structure and culture of early modern universities.

One of the trip's key themes was the close ties that existed between art and medicine. To that end, participants also visited some of Italy's most important artistic landmarks. Many Italian Renaissance artists such as Leonardo, Michelangelo, and Tintoretto either studied anatomy themselves or served as illustrators for the period's anatomical publications, and seeing their works in both art galleries and public spaces provides a vivid demonstration of how Renaissance scientific illustration was influenced by Italy's religious and artistic culture.

The response essays students wrote at the end of the trip reveal that they found the experience engaging and thought-provoking:

Overall, I believe this trip to Italy has reinvigorated my interest in anatomy as I no longer perceive it solely through anatomy lab, but instead of through the lens of how beautiful the human body is and how lucky I would be to directly manipulate it to promote someone's health.

In one of our first coaching groups, we were told to write a letter to ourselves about our hopes for our medical education. In my letter, I remember writing that I hoped that I would maintain my sense of wonder and guard against cynicism. Standing there [in the Padua anatomy theatre] was definitely a moment of wonder, at both the history that came before and how much progress has been made since then.

I find it difficult to disconnect the body in front of me [in the anatomy lab] from the life that was lived in it. Before, I believed that my conscious acknowledgment of her humanity was a personal fault. It was a distraction that kept me from fully immersing myself in the educational experience. Since Italy, I have found solace in remembering her body once housed a soul.

In the Renaissance, scientists had to rely primarily on qualitative observations, which forced them to develop keen visual and artistic senses. In contemporary medicine, on the other hand, we depend heavily on quantitative data — probably more so than “simpler” qualitative impressions. While in Florence, standing before the inspiring Michelangelo's David statue, I asked myself if perhaps we should not take a page out of our predecessors' book, and slightly turn back the dial to a point where we might value more what we can see and touch.

The Center considers this trip a success and intends to continue the program by offering a trip to the Netherlands in 2024.

Health Information Services and Collection Management

The Health Information Services (HIS) and Collection Management (CM) division offers a broad range of biomedical resources along with instructional and consulting services to faculty teaching the next generation of health care leaders, students learning evidence-based practice skills and healthcare providers at the bedside providing quality patient care. The division works closely with the school's educational programs in support of their curricula and the affiliated teaching hospitals to support evidence-based practice.

The Collection Management team secures, manages and provides access to electronic and printed resources, proactively and in response to the evolving needs of faculty and students. The Inter-Library Loan service provides an article delivery service that supplements Becker's resources by obtaining items from libraries at other academic institutions.

The information desk staff are on the frontlines, answering thousands of inquiries regarding library services, item location and checkout, computer and printer instruction, and remote access.

Resource Management

A free download-able browser extension, LibKey Nomad, was made available to patrons. It helps seamlessly connect WUSM students, staff and faculty with the library's journal collection.

Becker CM librarians collaborated with University Libraries on task forces that included Transformative Agreement and Integrated Library Management Platform Workflow.

Acquisitions and subscription renewals include 462 eBooks, 1703 journals and 19 databases. Patron “suggestions for purchase” resulted in the addition of 71 eBooks, and 5 journals.

Providing support to educational programs

Medical students

HIS librarians welcomed incoming medical students during their orientation, introducing them to study spaces and services within Becker Library.

Librarians provided an in-person evidence-based medicine session to all medical students in Module One - Molecules to Society. Throughout Phase 1 of the curriculum, librarians provided feedback for several self-directed learning (SDL) assignments co-graded with faculty. SDL assignments assess each student's ability to identify a knowledge gap, ask an answerable question, conduct a literature search, judge the validity of found research, and explain how a study may or may not apply to their original research question.

Librarians participated in the two Clinical Immersion assignments where students formulated a question based on a patient they had seen during their hospital rotation.

This year for the first time an HIS librarian provided instruction to students within the Gateway curriculum EXPLORE program. The program creates opportunity for scholarship in global health, education, innovation and research.

Postgraduate educational support

HIS librarians created custom presentations for students, staff, faculty and fellows from Alzheimer's Disease Research, Anesthesiology, Internal Medicine Hospitalist Program, Neuroradiology, Pediatric Critical Care, Public Health Sciences, Neuroradiology, Obstetrics and Gynecology, and Occupational Therapy.

The T32 Postdoctoral Training Program for students provides a mentored research experience (9 to 12 months) with opportunities to participate in research on cancer prevention. HIS Becker librarians provided didactic training entitled "Your Questions Answered: Library Support for Searching & Publishing".

Pre/Postdoctoral interdisciplinary research training in translation (PIRTT) seminar benefitted by librarian training in EndNote management.

Becker Library provides an HIS librarian liaison to both the Physical Therapy and Occupational Therapy programs, providing library orientation sessions at the beginning of each semester. A completely revised Occupational Therapy Libguide was created with links to popular OT journals and eBooks.

Undergraduate support

Pediatric Emergency Medicine Research Associates' Program (PEMRAP) is a popular option for undergraduate students interested in a career in medicine. An HIS Becker librarian is a part of this program during Fall and Spring semesters providing orientation and instruction for resources to support a required research project.

Professional development

An HIS Becker librarian conducted a Searching for Scientific Literature session within the Fundamentals of Scientific Writing course.

The HIS team provided instruction and systematic review searching for students of the Institute of Public Health course, Systematic Review and Meta-analysis.

Academic Hospital Support

With the support of an HIS Becker librarian, the Barnes-Jewish Hospital received nursing's highest honor as a re-designated Magnet hospital. Collaborating with the Inter-Professional Practice and Education Division, the librarian-liaison was a part of the inaugural Nurse Residency Program instructing newly employed BSN and MSN nurses in evidence-based practice.

The evidence-based nursing practice program, Evidence Equals Evidence, is supported annually by HIS Becker librarians. Eligible nursing staff are instructed in the best ways of retrieving relevant, practical information to inform patient care decisions.

A CME presentation "How I Search the Literature" was provided to Internal medicine hospitalists at BJH.

The Pediatric Hospitalist Service invited an HIS librarian for a presentation regarding the steps in conducting a systematic review.

A Becker HIS librarian addressed participants of the Summer Program for Pediatric & Research Careers (SPPARC) to discuss her career path and job experiences.

Informatics, Data Science and Biostatistics educational support

The Clinical Informatics Fellowship program is required training for board certification in clinical health informatics. Several library staff provide instruction and reading assignments covering resource licensing, the history of informatics and libraries, types of evidence synthesis reviews, mobile medical apps, EndNote training, research computing and data management tools.

An HIS librarian instructed Biomedical Informatics & Data Science summer Interns in PubMed and Web of Science searching to support scientific poster projects.

The I2 Mixed Methods in Medical Informatics class received a presentation and demonstration of library resources.

Incoming Division of Biostatistics and Informatics MS students benefitted from an introduction to library services and resources.

Supporting Office of Education

An HIS librarian assisted students enrolled in the Scholarship Development elective with database instruction.

The HIS Associate Director is a nonvoting member of the Phase 1, Phase 2 and Phase 3 Operations Committees.

The CM/e-Resources librarian provides Office of Education curriculum coordinators instruction on persistent url linking and coordinates adding new resources.

Becker Library Director and HIS Associate Director participated in LCME site visit meetings to answer questions regarding library resources and services in support of the school's medical education curriculum.

Feuerstein Health and Wellness Center (FHWC)

Eighty-three new books were added to the FHWC collection. There were over 300 checkouts of wellness, DEI and student-curated books.

Several students applied for Feuerstein wellness microgrants. Grants were awarded to

students to fund pickle-ball court reservations, a humanities writing program, for trauma-care training, private yoga classes, a Barre class, Gym equipment, tennis court reservations, badminton equipment and a Bar K event (dogs and owners).

Systematic & Scoping Reviews

The HIS Team completed 131 reviews running the gamut of topics from “biceps brachii ruptures in athletes” to “parental interventions in their children’s education”. Librarians were co-authors on 36 published systematic reviews. To streamline the review process, a management tool, Covidence, was purchased and made available to systematic review teams. There are 173 Covidence accounts representing 466 reviewers.

A live Covidence webinar provided an overview and demonstration of popular features including importing, title screening and data extraction. HIS librarians provided 8 consults on the use of Covidence.

EndNote support

EndNote training and trouble-shooting support was provided with 46 one-on-one sessions and 10 group sessions with 142 participants.

Outreach activities

A Becker blog piece entitled “Resources to fight COVID-19 misinformation” and written by an HIS librarian was highlighted by the keynote speaker during the national Medical Library Association conference.

A Becker HIS librarian has been a long-time participant in the DEI Saturday Scholars outreach program providing library resource training to high school students to support health-related projects. This year over 80 students participated.

At the annual Health Professions Fair, an HIS librarian offered career information about information sciences careers.

The Accreditation Council for Graduate Medical Education (ACGME) requested assistance from Becker library in providing Review Committee members with 18 database searches for evidence to inform new procedures and standards.

The National Institute on Aging’s Clinician-Scientists Transdisciplinary Aging Research (Clin-STAR) Center invited a Becker HIS librarian to appear in a webinar entitled, “How to Collaborate Effectively with Medical and Data Librarians”.

The library at the University of Missouri – Columbia requested permission to use Becker’s Patient Safety and Quality Improvement LibGuide.

Research Services

The Research Services division of Becker Library provides a broad range of educational programs and services in support of the research activities of the School of Medicine’s faculty, staff, and students. Specifically, the division provides introductory training in biomedical research computing, delivers educational offerings and programs in the areas of data management and sharing, and supports awareness, access, and training on a variety of software tools for biomedical data analysis and visualization. In addition, the division provides a host of customized programs, services and expertise to assist faculty, investigators and students in navigating the complex and ever-changing research publishing landscape.

Assistance to authors and researchers is available on a wide range of issues including publishing options, public access mandates, copyright, author rights, assessment of research impact, and the dissemination of research findings.

Research Analytics and Impact Evaluation

Author analytics and evaluation support continued to be an active area of focus during FY23 due to the high level of interest in this area. Guidance and reports were provided for individuals and groups with requests coming from more than 20 offices, departments, centers and institutes across the School of Medicine. Becker Library staff provided guidance on how to demonstrate expertise using publication data; journal impact factor scores; benchmarking metrics; institution and author name variations, to name a few. Becker Library staff also assisted investigators with strategies to establish their online profiles; guidance on completing tenure packets; and recommendations for enhancing the impact of their research efforts. Becker Library's subject guide Quantifying the Impact of My Publications had more than 10,000 views over the course of the fiscal year.

A number of evaluation reports were also completed during FY23. Reports, graphs, and tables were generated for individuals, groups, divisions and administrative groups on campus. Visual networks, graphs, co-author networks and choropleth geographic maps were also provided. Uses for these reports included grant applications and renewals; progress reports; departmental reports; information for departmental websites; recruiting; and promotion and tenure. Other examples included:

- Departmental productivity and performance reports
- H index reports for departments
- Benchmarking against individuals, groups, departments or institutions
- Narratives for promotion and tenure
- Applications, reporting and renewals for grant funding
- University performance in specific subject areas
- Identification of top authors in a field for recruiting and grant collaboration
- Global collaboration patterns
- Longitudinal tracking of trainees for grant reporting
- Demonstrating collaborative efforts for a grant proposal or renewal
- Slides for lectures or conferences

Supporting Authors and Grant Compliance

NIH Public Access Policy

Becker Library and the Office of the Vice Chancellor for Research (OVCR) continued to work together to promote compliance with the NIH Public Access Policy in FY23, as the need for support in this area continues to be very high. During FY23, Becker Library staff contacted publishers and the NIH Manuscript Submission (NIHMS) system on behalf of NIH-funded authors; ran publication reports to determine the compliance status for applicable publications and to spot-check publications that may have omitted acknowledgement of a grant award; submitted manuscripts to NIHMS; provided guidance on proactive compliance; to name a few. To date, Becker Library has submitted 500 articles to NIHMS on behalf of NIH-funded authors,

and Washington University in St. Louis has a roughly 95% compliance rate with the NIH Public Access Policy for the time period 2008 to the present (more than 35,000 articles). In addition to the NIH Public Access Policy, Becker Library provided support for over 50 other public access policies from other government agencies and funding organizations.

In August 2022, the Office of Science and Technology Policy (OSTP) issued new guidance to federal agencies to update their public access policies to eliminate any embargo periods slowing the public release of research findings. While new public access policies are not planned to take effect until December 2025, Becker Library staff have been actively monitoring agency and publisher responses and will continue to communicate and collaborate with institutional partners on these topics going forward to help the School of Medicine prepare for these upcoming changes.

NIH Biosketch and NCBI Tools

Becker Library staff also provided support for the NIH Biosketch and NCBI tools such as My Bibliography and SciENcv during FY23. Becker Library's NIH Biosketch subject guide had close to 30,000 views during the fiscal year. Becker Library staff presented a session on SciENcv at the OVCR Researcher Forum to help prepare investigators for the required use of SciENcv for NSF biosketches as of October 2023. SciENcv training offerings will also continue in FY24 as the platform is improved to support NSF researchers. Becker Library also facilitated a partnership between the OVCR and NCBI around the development of tools and processes to enable auto-population of Current and Pending (Other) Support forms for NSF and NIH to further benefit investigators at the School of Medicine and beyond. In addition to the information shared via subject guides, and the questions answered during individual consultations, Becker Library staff also gave presentations on these tools for groups across the School of Medicine throughout FY23.

Publishing and Open Access

Authors continued to look to Becker Library for guidance on selecting a journal for publication in FY23, and guidance for identifying credible conferences was provided as well. Becker Library's Selecting a Journal for Publication subject guide had more than 75,000 views during FY23, and presentations were provided on this topic to groups on campus. A trend noted this year was guidance from publishers as to the use of artificial intelligence (ChatGPT) and authorship. The scholarly publishing community continued important work in diversity, equity, inclusion and accessibility during FY23, and Becker Library staff actively promoted new guidance and recommendations from publishers to our authors. One example is a recent Becker Library blog post: DEIA in Scholarly Publishing – Recent Resources for Authors and Peer Reviewers.

Becker Library has also continued to provide support in the area of preprints and saw an increase in preprint use by WUSM authors in FY23. The Preprints subject guide had close to 5,000 views during FY23. A new Text and Data Mining (TDM) subject guide was also created in FY23 to provide guidance for researchers in response to growing interest in TDM at the School of Medicine.

Outreach related to ORCID also continued in FY23 with Becker Library staff providing presentations to interested audiences on campus. As requirements related to ORCID loom on the horizon, Becker Library staff continue to follow agency communications and foster discussions with campus partners to help prepare School of Medicine researchers for any upcoming developments.

Ongoing efforts to promote the WashU Open Access Resolution (enacted in 2011) and

support our authors with open scholarship practices continued in FY23. One effort to promote open scholarship is negotiating transformative and other, similar agreements with publishers that allow for reduced Article Processing Charges (APCs) or full waivers of charges. WashU's existing agreement with Elsevier allows for a 25% reduction in APCs for WashU corresponding authors who publish in Elsevier journals, and Becker Library continued to work toward a new agreement with Elsevier in FY23 to increase this discount further. As of the end of FY23, WashU has negotiated new agreements with Cambridge University Press, The Microbiology Society and Cold Spring Harbor Laboratory Press, all of which allow for a full waiver of APCs for WashU corresponding authors. Similarly, WashU has a Subscribe to Open (S2O) agreement with Annual Reviews to allow for a full waiver of APCs for WashU corresponding authors. To help evaluate additional agreements, Becker Library and University Libraries formed a transformative agreement task force in FY23 to assess publisher proposals and evaluate signed agreements for measures of success.

Copyright

Becker Library also provided support for the Office of the Vice Chancellor and General Counsel during FY23 by drafting reports and guidance on various issues such as use of material for online teaching purposes, copyright, and other issues. Support for WUSM authors related to copyright and other publication issues also continued. Becker Library provided guidance on a variety of topics ranging from publication copyright transfer agreements; selecting an appropriate license for publication; DOIs; copyright; authorship roles; ORCID; correction of names in databases and publications; publishing options; use of images; how to protect content from being re-used without permission; Fair Use; how to obtain permission; use of materials created under work-for-hire; how to handle course materials with identifiable patient information; to name a few. Information on these topics is available on a Tools for Authors subject guide which had more than 65,000 views during FY23. Effort in FY23 was also focused on updating license language to reflect current educational practices and new guidance for faculty and instructors.

Research Profiles at Washington University School of Medicine

With ongoing funding from ICTS, Office of the Dean, and School of Medicine Departments, Becker Library continued to lead further development, adoption and support of Research Profiles at Washington University School of Medicine in FY23. Research Profiles had an average of 20,000-25,000 users per month during FY23, with extensive usage coming from outside of the School of Medicine, including usage from locations across the United States and around the world.

More than 425 new faculty profiles were created during FY23 to reflect new faculty hires at the School of Medicine and the addition of roughly 100 faculty from the Danforth Campus that were added to Research Profiles to complete the Division of Biology and Biomedical Sciences (DBBS) organizational representation within the platform. Departments, divisions and other groups on campus, including DBBS, began to leverage Research Profiles more heavily in FY23 for their website faculty profile information as well as for adding feeds of research outputs, or publications, to their website to more fully showcase their unit's scholarly output. Work is already underway in FY24 to assist additional departments interested in leveraging Research Profiles content in these same ways.

The Research Profiles support team at Becker Library continued to respond to more than 150 requests for profile updates and changes and questions about profile publication information during FY23. Presentations and consultations were also provided to individuals and groups on campus over the course of the fiscal year, spanning educational programs, departments and

divisions, centers, administrative units and more. Publication reports were also generated from Research Profiles by the Becker Library team in response to requests from a variety of departments and other units on campus interested in the scholarly output of their group over a certain period of time.

Open October

In collaboration with University Libraries, Becker Library hosted a month-long series of presentations in October 2022 highlighting trends in open science, open data and open access publishing to raise awareness among our campus community to the changes taking place in research and scientific communication. This programming was loosely tied to International Open Access Week which occurs in October each year. One highlight of Open October 2022 was a presentation by John Chodacki, Director of the University of California Curation Center, focused on data citations and the evolving landscape of data sharing and reuse. Another highlight of the programming was a presentation from Maryam Zaringhalam, PhD, Data Science and Open Science Officer at the National Library of Medicine, on opening science with storytelling. This presentation was an exciting crossover event with Becker Library's Center for Health and Science Communication. Other highlights rounding out Open October 2022 included a session on ORCID and a presentation on the state of open access publishing at the School of Medicine.

Digital Commons@Becker

The digital repository for School of Medicine scholarly output, Digital Commons@Becker, continues to feature a wide variety of content and media types from across the campus, with two new collections created during FY23 further expanding the scope.

The new Data and Supporting Files collection was created to house datasets and other files investigators would like to share in compliance with publisher and funder sharing policies. Becker Library staff worked with the Joint Research Office for Contracts within the OVCR during the creation of this new collection to determine the best way to handle sensitive data that can only be shared via Digital Commons@Becker in a restricted manner. As researchers began to share their data through Digital Commons@Becker, Becker Library staff provided data curation services to ensure data was being shared according to the FAIR (Findable, Accessible, Interoperable, Reusable) data principles.

The Theses and Dissertations collection was also created during the fiscal year to showcase dissertations associated with Doctor of Philosophy degrees awarded by the School of Medicine for the programs in Occupational Therapy, Physical Therapy and Audiology and Communication Sciences.

During FY23, more than 2,000 new items were added to Digital Commons@Becker across all collections, bringing the total number of scholarly works in the repository close to 20,000. The repository continued to receive visitors from all over the world in FY23, highlighting the broad geographic dissemination of School of Medicine scholarly outputs shared via Digital Commons@Becker. In total, there were roughly 400,000 items downloaded from the repository in FY23, bringing the total number of downloads close to 3 million since the launch of Digital Commons@Becker in 2010. The most utilized collection within the repository during the past fiscal year was the School of Medicine Open Access Publications collection, with 300,000 downloads.

Providing Education and Support in Data Management and Sharing

In partnership with the Institute for Informatics, Data Science and Biostatistics, Becker Library continued to provide training and services in the areas of data management and sharing during FY23. The main areas of focus in FY23 were the new NIH Data Management and Sharing Policy and REDCap.

REDCap and MDClone

REDCap support and education continued to be a large area of focus for Becker Library staff in FY23, with continued need in the areas of electronic consent (e-consent), REDCap version migration, general REDCap use, and more. In order to better meet the need for support, Becker Library staff created the WUSTL REDCap User Community to create a space for School of Medicine REDCap users to support one another. The REDCap User Community gathered in FY23 via virtual meetings and a Microsoft Teams channel, and plans are in place to continue gathering in FY24.

Becker Library staff also continued to participate in School of Medicine working groups focused on e-consent and FDA Part 11 compliance with leadership from the Institutional Review Board, Human Research Protection Office, Human Research Quality Assurance Program, HIPAA Compliance Office, and others. The WUSTL REDCap E-Consent Template underwent multiple updates during FY23, with updates targeted specifically to the template's associated Standard Operating Procedure, or SOP. Additional e-consent supplementary materials were also developed by Becker Library staff during FY23 to better support researchers implementing e-consent in REDCap.

REDCap workshops continued to be of great interest during FY23, with a variety of REDCap topics covered throughout the year. In total, more than 15 REDCap workshops were offered by Becker Library staff in FY23 with close to 500 faculty, staff and trainees in attendance. In addition, recordings from previous Becker Library REDCap sessions were used extensively in FY23, as 25 REDCap workshop recordings were viewed more than 3,500 times during the fiscal year. A tutorial for REDCap version migration was also created by Becker Library staff as a way to support REDCap users migrating from version 7 to version 13. REDCap consultations continued to be a large area of effort during FY23 as well, with more than 200 consultations provided during the fiscal year. Consultations covered using REDCap for e-consent, REDCap version migration, and many other topics.

Becker Library staff also continued to offer MDClone training and support in FY23. New MDClone onboarding materials were developed in conjunction with a new introductory workshop. Advanced MDClone workshops were developed in FY23 as well. Ten MDClone sessions were offered in total in FY23 to broad WUSM audiences and in individual course settings, with more than 100 individuals in attendance. MDClone consultations continued to be offered in FY23 as well.

NIH Data Management and Sharing Policy

With the new NIH Data Management and Sharing Policy going into effect in January 2023, Becker Library staff focused a large amount of effort in FY23 toward supporting researchers as they transitioned into this new policy.

Many educational sessions on the new policy and associated topics were presented to individual labs and research groups, departments, senior leadership, general audiences across campus and more with greater than 900 individuals in attendance across close to 30

sessions.

Becker Library staff also launched a new data management and sharing website in FY23 to provide researchers with a wealth of curated information on the new policy and a variety of tools to help them get started. After the launch of the new site, Becker Library staff continued to make updates and enhancements as new information and guidance came out from the NIH and other groups, including adding sample data management and sharing plans as they became available. Becker Library staff also shared a variety of guidance through blog posts and a monthly data management and sharing newsletter in an effort to keep the School of Medicine research community up to date on data management and sharing policy developments.

Extensive support and guidance was provided by Becker Library staff to researchers writing their first data management and sharing plan during FY23 as required by the new policy. Becker Library staff reviewed close to 70 data management and sharing plans for WUSM investigators prior to grant submission during this period. In addition to reviewing data management and sharing plans prior to grant submission, Becker Library staff provided an extensive number of consultations to individuals and groups seeking answers to specific questions about the new policy as well as guidance related to implementing effective data management and sharing practices.

Becker Library staff also participated in the Research Data & Materials Guidance Working Group during FY23 made up of leadership from the Joint Research Office for Contracts, Institutional Review Board, Human Research Protection Office, Human Research Quality Assurance Program, HIPAA Compliance Office and other stakeholders. The working group developed and implemented the WashU Research Data and Materials Policy that was released in the second half of FY23. The policy defines research data and materials at WashU and provides guidance related to data ownership, retention, and responsibility for research data generated at WashU.

Data management and sharing was also covered by Becker Library as a component of responsible conduct of research curriculum offered throughout the School of Medicine. Specifically, training was provided through the Bioethics Research Center and the Clinical Research Training Center with more than 40 trainees in attendance.

Providing Education and Support in Research Computing and Software

Biomedical researchers increasingly need basic programming skills to conduct their research. In response to this growing need, Becker Library continued to partner with the Institute for Informatics, Data Science and Biostatistics in FY23 to organize and teach hands-on workshops covering a variety of research computing topics related to R, Python and MATLAB. In addition, Becker Library continued a series of introductory computing basics workshops in collaboration with WashU IT's Research Infrastructure Services (RIS) to reduce the barriers around use of the RIS Research Compute platform. Workshop attendees included faculty, staff, students, and trainees from several departments at WUSM, with more than 900 in attendance across the almost 25 workshops offered during the fiscal year. Workshops were also offered for educational programs on campus with a specific interest in research computing instruction for their trainees.

Research computing consultation services were also provided to support needs in this area. There were close to 125 consultations conducted during FY23 covering a variety of research computing topics.

In addition to providing research computing training, Becker Library continued to support

researchers in FY23 by organizing customized training workshops on a commonly used genomics software tool. Multiple workshops were organized in FY23 focused on common use cases in genomic data analysis.

Consultations services were also offered to help researchers find specific software resources, navigate the access process, and identify training materials. There were 100 software consultations conducted during the fiscal year in these areas.

Love Data Week

In partnership with University Libraries and the Institute for Informatics, Data Science and Biostatistics, Becker Library organized and taught a series of sessions on topics related to data management and sharing, data analysis, and data visualization, in celebration of Love Data Week 2023 (February 13-17, 2023). The highlight of the week was a keynote panel presentation given by Cindy Danielson, PhD, Associate Director, Systems Integration in the Office of Research Reporting and Analysis, Lisa Federer, PhD, Acting Director, National Library of Medicine Office of Strategic Initiatives, and Taunton Paine, MA, Director of the Scientific Data Sharing Policy Division, all from the NIH. The panel presentation focused on the new NIH Data Management and Sharing Policy and led to a lively question and answer session with the roughly 175 attendees. Love Data Week 2023 featured a variety of other informative sessions focused on data sharing and reuse, REDCap and MDClone, ethical sharing of qualitative data, and tools for writing a data management and sharing plan.

Continuing Collaboration with the Institute for Clinical and Translational Sciences

Becker Library staff continued to provide ongoing support for the Washington University Institute for Clinical and Translational Sciences (ICTS) Tracking and Evaluation Team, including participating on the Translational Science Benefits Model (TSBM) project team. The website for the TSBM, a framework for assessing the health and societal benefits of clinical and translational sciences, was updated in FY23. Becker Library staff continued to identify, develop and review TSBM case studies throughout FY23, and were added to the Center for Public Health Systems Science as affiliate faculty and staff due to their roles on the TSBM team. In addition, Becker Library staff served on the TSBM Workgroup within the Clinical and Translational Science Award Program's Center for Leading Innovation and Collaboration.

Becker Library staff continued to generate annual publication reports and citation analyses on ICTS members (3,700) in FY23. Becker Library staff also continued to monitor compliance for ICTS-cited publications in accordance with the NIH Public Access Policy. Reports on publications and preprints related to COVID-19 authored by Washington University authors were also generated on a bi-monthly basis during FY23, and monthly reports on the HIV, Infectious Disease and Global Health Implementation Research Institute were also generated.

Becker Library staff also participated in the ICTS Precision Health collaboration and the Bioinformatics Working Group in FY23 as a way to synergize efforts across campus related to support of data management and sharing and genomic data analysis. These efforts led to more awareness and connection between the bioinformatics offerings available through ICTS and the research computing support and education available through Becker Library. Another benefit of these efforts in FY23 was the development of a collection of example data management and sharing plans in the ICTS grants library. These example plans were authored by School of Medicine investigators and reviewed by Becker Library staff prior to grant submission. These example plans are a valuable resource for WashU researchers and are the benefit of a successful collaboration between all involved.

Health & Science Communication

The Center for Health & Science Communication at Becker Library has as its mission to ensure that medical school faculty, staff, and students have the tools, training, and resources to be effective and engaging communicators of their work. It meets this mission by

- Magnifying the impact of communication experts at the medical school through joint programs and partnerships
- Enabling collaborative networks to build capacity for resources and training in science and health communication
- Delivering programs and services in response to areas of interest and need

With its formal establishment in fiscal year 2022, the focus of the Center for Health & Science Communication during fiscal year 2023 has been on raising awareness of its existence, establishing itself as valuable resource, and growing its programs. In March 2023, a science communication specialist was added to the team to expand the Center's reach and complement its health communication services.

Continuing the successful and popular SciComm Seminars, the Center hosted five compelling speakers in FY23, with 226 participants in attendance.

FY23 SciComm Seminars

Communicating beyond the academy: Reaching policymakers and stakeholders

Beth Prusaczyk, PhD, MSW

September 22, 2022

Attendance: 53

What's your story? Using narratives to open science

Maryam Zaringhalam, PhD

October 18, 2022

Attendance: 51

Social media engagement for healthcare workers

Rakhee K. Bhayani, MD

November 8, 2022

Attendance: 31

How to craft a creative pitch

Cyril Loum

January 24, 2023

Attendance: 48

The Translational Science Benefits Model: Moving beyond traditional measures of research impact

Stephanie Andersen

March 9, 2023

Attendance: 43

Health Communication & Plain Language

Plain language review services continued reviewing materials for campus departments, including 42 pages of patient decision aids, clinic handouts, and study recruitment and consent materials. In addition to plain language reviews, the health communication specialist spoke to more than 140 attendees as an invited speaker and curriculum lecturer on topics such as plain language, media literacy in health care, and communication that resonates.

Library Technology Services

Library Technology Services (LTS) provides overall coordination and support for information technology systems, as well as coordinating with Washington University's central Information Technology unit (WUIT) on issues related to Becker Library. Systems and services supported by LTS include Becker Library's web site, library business process applications (License Manager), library service platforms (Aeon, ILLIAD, Research Profiles, Atom, EZProxy), and public devices (Windows, MacOS, printers, copiers).

Department Growth

Library Technology Services expanded its team in FY23. The addition of a web developer better positions the division to accomplish library goals for FY24.

Research Profiles

In addition to the planned updates throughout the year, the Becker team worked closely with colleagues in the Division of Biology and Biomedical Sciences to improve the cross-disciplinary/cross-campus representation of their faculty in Profiles. This entailed significant changes to the data pipeline for Profiles. As Research Profiles now more accurately reflects the DBBS faculty, they can reference Profiles as a "source of truth" for faculty profile information. Other units, such as the Faculty Practice Plan, are leveraging in similar ways.

Indirect Cost Study

Becker Library's technology team has been collaborating with colleagues at Olin Library and Attain Partners in preparation for the indirect cost study that will be conducted over FY24. A new approach was developed and deployed across both campuses to collect a greater volume of data than previously captured.

Digital Exhibits: Platform and Collaboration

Technology staff worked with Archives and Rare Book colleagues to learn about and customize the open-source digital exhibit platform, Omeka-S. This platform will enable staff members to develop online exhibits with much greater ease, increasing the exposure of the

unique items and collections held at Becker Medical Library.

Library technology services also partnered with Archives and Rare Books to develop an online audio component to enhance the already impactful exhibit, "In Their Own Words."

Microsoft 365

Staffing changes and a hybrid workforce have made it necessary to adapt communication styles not only for special projects and initiatives, but daily tasks. A concerted effort was made to adopt the tools available through Washington University's M365 subscription and to leverage this common tool set to better support library operations.

Systems & Hardware: Updates and Upgrades

- Microsoft Azure: Having traditionally relied upon WUIT infrastructure for internally developed and managed applications, in FY23 Becker Library began deploying select applications on Microsoft Azure and finding benefits in the speed with which applications can be tested and deployed.
- Media Production PC: New hardware was purchased and configured with the latest media production applications, helping library staff to produce video learning resources for our patrons.
- Aeon: Version upgrade
- ILLiad: Version upgrade

Appendix A – Library Statistics and Finances

FY23 Collection Statistics

Electronic Journal Titles	10,922
Print Journal Titles	1,541
Purchased Electronic Book Titles	98,201
Print Book Titles	80,165
Purchased databases	14
Audiovisual items (CD's, DVD's)	407
Purchased streaming videos	20,377
Rare Books & Journals	26,821
Archival Material (*cubic feet)	3,238

*Previously measured in linear feet

Health Information Services

Systematic & Scoping Reviews completed	131
Database searches completed	188
Information Services Desk inquiries	3,198
Librarian consults	109

Online Guides (Becker Guides)

Becker librarians create and maintain a variety of guides and resources to assist users in multiple subject areas. During fiscal year 2023, the total number of page views across all Becker Guides was 242,799. The following table lists the top 20 guides based on total views.

Guide Name	Views
Selecting a Journal for Publication	75,782
Tools for Authors	66,090
NIH Biosketch	28,954
Quantifying the Impact of My Publications	10,588
Systematic Review Guide	6,635
Preprints	4,853
Community-Engaged Research	4,490
Global Health Resources	3,863
Qualitative Research	3,278
Mobile Medical Apps	3,061
Research Impact	2,860
Evidence Based Nursing	2,809
NIH Public Access Policy	2,565
Scoping Review Guide	2,429
Anesthesiology Resources	2,135

Emergency Medicine	1,773
Author Rights and Copyright	1,649
E-books Tips and Hints	1,524
LGBTQ Healthcare Resources	1,402
Open Access	1,341

Collection Use

	FY 22		FY 23		Percent Change	
	Unique items	Uses	Unique items	Uses	Items	Use
E-Journals	2,460	2,129,433	3,596*	2,096,482	+46%	-1.5
E-Books	96,044	121,410	98,140	124,099	+2%	+2%
Print books	1,137	1,543	1,239	1,799		

*Increased because of Cambridge Read-and-Publish agreement.

Borrowers

	Check-outs Fiscal Year 2022	Check-outs Fiscal Year 2023
Students	651	791
Faculty/Staff	630	792
Residents/Fellows	182	230

Top Print Books Used in FY23

Title	Author	Uses
The Spirit catches you and you fall down : a Hmong child, her American doctors, and the collision of two cultures	Anne Fadiman	7
The turnaway study : ten years, a thousand women, and the consequences of having--or being denied--an abortion	Diana Greene Foster	6
When breath becomes air	Paul Kalanithi	5
Kuby immunology	Jenni Punt	5
Step-up to medicine	Steven Agabegi	5
Dr. Pestana's surgery notes : top 180 vignettes of surgical diseases	Carlos Pestana	5
First aid for the psychiatry clerkship	Sean M. Blitzstein	5

Top 20 e-Books Used in FY23

Title	Uses
Johns Hopkins ABX Guide (Mobile App)	5,862
Harrison's Principles of Internal Medicine 21st ed	1,849
Red Book: 2021-2024 Report of the Committee on Infectious Diseases	1,270
Robbins & Cotran Pathologic Basis of Disease 10th ed	1,150

Diagnostic and Statistical Manual of Mental Disorders V	1,106
Robbins Basic Pathology 10 th ed	1,017
Principles of Neural Science 6 th ed	963
Cummings Otolaryngology	959
Netter Atlas of Human Anatomy: Classic Regional Approach 8 th ed	816
Morgan & Mikhail's Clinical Anesthesiology 7 th e	805
Miller's Anesthesia, 2-Volume Set (Ninth Edition)	799
Tintinalli's Emergency Medicine: A Comprehensive Study Guide 9 th ed	774
Pathophysiology of Heart Disease: An Introduction to Cardiovascular Medicine, 7 th e	768
Zollinger's Atlas of Surgical Operations 11 th e	607
Anesthesiologist's Manual of Surgical Procedures	559
Goldfrank's Toxicologic Emergencies 11 th e	552
Rutherford's Vascular Surgery and Endovascular Therapy, 2-Volume Set 9 th e	543
Dermatology: 2-Volume Set 4 th e	448
Applied Theories in Occupational Therapy	352
Occupational Therapy	317

Top 20 e-Journals Used in FY23

Title	Publisher	Uses
Nature	Nature Research	145,507
Science	American Association for the Advancement of Science	70,191
NEJM	New England Journal of Medicine	69,447
PNAS	National Academy of Sciences	47,484
Cell	Elsevier	41,998
Nature Neuroscience	Nature Research	26,233
JAMA	American Medical Association	26,116
Neuron	Elsevier	24,058
Nature Immunology	Nature Research	19,682
Nature Methods	Nature Research	19,489
Nature Methods	Nature Publishing Group US	19,476
Nature Medicine	Nature Research	18,224
Nature Genetics	Nature Research	18,201
Immunity	Elsevier	18,064
Journal of the American Chemical Society	American Chemical Society	16,333
Nature Biotechnology	Nature Research	15,919
RadioGraphics	Radiological Society of North America	15,734
Journal of Visual Experiments	JOVE	13,895
Nature Protocols	Nature Publishing Group UK	12,041
Nature Reviews Immunology	Nature Publishing Group UK	11,901

Interlibrary Loan (ILL) Services

Becker Library provides an article delivery service that allows School of Medicine faculty and staff to request articles copied and delivered for a small fee as well as interlibrary loan service for obtaining books and articles not owned by Becker. This service is free for students.

	FY23	FY22	FY21	FY20	FY19
Total ILL requests	5,410	5,621	6,580	7,549	8,009
ILL requests from other libraries	3,239				
Article requests for WashU patrons	850				
Becker requests from other libraries	1,321				

Journal Titles Most Requested from other Libraries

Journal Name	Number of requests
Advances in Oto-rhino-laryngology	30
Ophthalmic Surgery	17
American Journal of Ophthalmology	11
Journal of drugs in dermatology	9
Lin chuang er bi yan hou ke za zhi	8
Aging Clinical and Experimental Research	7
American Journal of Industrial Medicine	7
International Journal of Cardiovascular Imaging	6
Journal of Pediatric Oncology Nursing	6
Journal of School Health	6
Journal of Sport Rehabilitation	6

FY23 Appendix B – Staff Professional Activities

Publications

1. Carpenter CR, Leggett J, Bellolio F, Betz M, Carnahan RM, Carr D, **Doering M**, Hansen JC, Isaacs ED, Jobe D, Kelly K, Morrow-Howell N, Prusaczyk B, Savage B, Suyama J, Vann AS, Rising KL, Hwang U, Shah MN; GEAR 2.0-ADC Network. Emergency Department Communication in Persons Living With Dementia and Care Partners: A Scoping Review. *J Am Med Dir Assoc*. 2022 Aug; 23(8):1313.e15-1313.e46.
2. Brady M, Hensel DM, Paul R, **Doering MM**, Kelly JC, Frolova AI, Odibo AO, Barry VG, Powe CE, Raghuraman N, Tuuli MG, Carter EB. One-Step Compared with Two-Step Gestational Diabetes Screening and Pregnancy Outcomes: A Systematic Review and Meta-analysis. *Obstet Gynecol*. 2022 Nov 1; 140(5):712-723. Epub 2022 Oct 5.
3. Monks DT, Ankalagi B, Singh PM, Carter E, **Doering M**, Guard M, Lenze S. Interventions to treat and prevent postpartum depression: a protocol for systematic review of the literature and parallel network meta-analyses. *Syst Rev*. 2022 Dec 28; 11(1):282.
4. Liu SW, Lee S, Hayes JM, Khoujah D, Lo AX, **Doering M**, de Wit K. Geriatric Emergency Department Delirium Guidelines Group. Head computed tomography findings in geriatric emergency department patients with delirium, altered mental status, and confusion: A systematic review. *Acad Emerg Med*. 2022 Nov 4. Epub ahead of print. PMID: 36330667.
5. Goyal SS, **Doering M**, Kendall PL, Farrell N, Schneider JS, Roland LT. Progression of noninvasive fungal sinusitis to invasive fungal sinusitis: A systematic review. *Int Forum Allergy Rhinol*. 2022 Oct 28. Epub ahead of print. PMID: 36305427.
6. Shayan M, Lew D, Mancini M, Foraker RE, **Doering M**, Mueller KL. A systematic review of recurrent firearm injury rates in the United States. *Prev Med*. 2023 Mar; 168:107443. Epub 2023 Feb 3. PMID: 36740145.
7. Stickles SP, Kane DS, Kraus CK, Strony RJ, Ablordeppey EA, **Doering MM**, Theodoro D, Lee JS, Carpenter CR. Adverse events related to ultrasound-guided regional anesthesia performed by Emergency Physicians: Systematic review protocol. *PLoS One*. 2022 Jun 24; 17(6):e0269697.
8. Peterson AM, Miller B, Ioerger P, Hentati F, **Doering MM**, Kallogjeri D, Piccirillo JF. Most-Cited Patient-Reported Outcome Measures Within Otolaryngology-Revisiting the Minimal Clinically Important Difference: A Review. *JAMA Otolaryngol Head Neck Surg*. 2023 Mar 1; 149(3):261-276.
9. Fotouhi AR, Chiang SN, Peterson AM, **Doering MM**, Skolnick GB, Naidoo SD, Strahle JM, McEvoy SD, Patel KB. Neurodevelopment in unilateral coronal craniosynostosis: a systematic review and meta-analysis. *J Neurosurg Pediatr*. 2022 Oct 21; 31(1):16-23
10. Heeb Desai R, Hamlin E, Eyler A, Putnam M, Stark S, **Doering M**, Morgan K. The role of the built environment in the community participation of adults aging with long-term physical disabilities: A scoping review. *J Aging Environ [Internet]*. 2023
11. Cohen SY, Stoll CR, Anandarajah A, Doering M, Colditz GA. Modifiable risk factors in women at high risk of breast cancer: a systematic review. *Breast Cancer Res*. 2023 Apr 24; 25(1):45.

11. Lau SCL, Judycki S, Mix M, DePaul O, Tomazin R, **Hardi A**, Wong AWK, Baum C. Theory-Based Self-Management Interventions for Community-Dwelling Stroke Survivors: A Systematic Review and Meta-Analysis. *Am J Occup Ther*. 2022 Jul 1; 76(4)
12. Walia A, Lee JJ, Jackson RS, **Hardi AC**, Bollig CA, Graboyes EM, Zenga J, Puram SV, Pipkorn P. Management of Flap Failure After Head and Neck Reconstruction: A Systematic Review and Meta-analysis. *Otolaryngol Head Neck Surg*. 2022 Aug; 167(2):224-235.
13. Lau SC, Bhattacharjya S, Fong MW, Nicol GE, Lenze EJ, Baum C, **Hardi A**, Wong AW. Effectiveness of theory-based digital self-management interventions for improving depression, anxiety, fatigue and self-efficacy in people with neurological disorders: A systematic review and meta-analysis. *J Telemed Telecare*. 2022 Sep; 28(8):547-558.
14. Lu SC, Xu M, Wang M, **Hardi A**, Cheng AL, Chang SH, Yen PY. Effectiveness and Minimum Effective Dose of App-Based Mobile Health Interventions for Anxiety and Depression Symptom Reduction: Systematic Review and Meta-Analysis. *JMIR Ment Health*. 2022 Sep 7; 9(9):e39454. doi: 10.2196/39454.
15. Anandarajah A, Chen Y, Colditz GA, **Hardi A**, Stoll C, Jiang S. Studies of parenchymal texture added to mammographic breast density and risk of breast cancer: a systematic review of the methods used in the literature. *Breast Cancer Res*. 2022 Dec 30; 24(1):101
16. Llibre-Guerra JJ, Heavener A, Brucki SMD, Marante JPD, Pintado-Caipa M, Chen Y, Behrens MI, **Hardi A**, Admirall-Sanchez A, Akinyemi R, Alladi S, Dorsman KA, Rodriguez-Salgado AM, Solorzano J, Babulal GM; Diversity and Disparity Professional Interest Area Increasing Sustained Diversity in Clinical Trials Working Group. A call for clinical trial globalization in Alzheimer's disease and related dementia. *Alzheimers Dement*. 2023 Feb 25
17. Jaeger ZJ, Raval NS, Maverakis NKA, Chen DY, Ansstas G, **Hardi A**, Cornelius LA. Objective response to immune checkpoint inhibitor therapy in NRAS-mutant melanoma: A systematic review and meta-analysis. *Front Med (Lausanne)*. 2023 Feb 16; 10:1090737.
18. Anandarajah A, Chen Y, Stoll C, **Hardi A**, Jiang S, Colditz GA. Repeated measures of mammographic density and texture to evaluate prediction and risk of breast cancer: a systematic review of the methods used in the literature. *Cancer Causes Control*. 2023 Jun 20. PMID: 37340148.
18. Slijepcevic AA, Roh J, Pipkorn P, **Lipsey K**, Bradley JP. Carotid Blowout Syndrome in Head and Neck Cancer Patients: Management of Patients at Risk for CBS. *Laryngoscope*. 2022. Epub 20220516. doi: 10.1002/lary.30157
19. Kang E, Kim MY, **Lipsey KL**, Foster ER. Person-Centered Goal Setting: A Systematic Review of Intervention Components and Level of Active Engagement in Rehabilitation Goal-Setting Interventions. *Arch Phys Med Rehabil*. 2022; 103(1):121-30.e3.
20. L'Hotta AJ, Randolph SB, Reader B, **Lipsey K**, King AA. Clinical practice guideline and expert consensus recommendations for rehabilitation among children with cancer: a systematic review. *CA*. 2023 Jan; 1-22.

21. Probst DT, Sookochoff MF, Harris-Hayes M, Prather H, **Lipsey KL**, Cheng AL. What is the rate of response to non-operative treatment for hip-related pain? A systematic review with meta-analysis. *J Orthop Sports Phys Ther.* 2023 Mar 9:1-42
22. Nyoni T, Steiner JJ, Okumu M, Orwenyo E, Tonui BC, **Lipsey K**, Mengo C. The Use and Effectiveness of the Whole School Approach in School-Based Interventions Addressing Gender-Based Violence in Sub-Saharan Africa: A Systematic Review. *Trauma Violence Abuse.* 2022 Dec 2.
23. Kang E, Friz D, **Lipsey K**, Foster ER. Empowerment in people with Parkinson's disease: A scoping review and qualitative interview study. *Patient Educ Couns.* 2022 Oct; 105(10):3123-3133.
24. Pothuri VS, Anzelmo M, **Gallaher E**, Ogunlana Y, Aliabadi-Wahle S, Tan B, Crippin JS, Hammill CW. Transgender Males on Gender-Affirming Hormone Therapy and Hepatobiliary Neoplasms: A Systematic Review. *Endo Pract.* 2023 ePub June 5, 2023
25. Baumgartner K, Groff, V, **Yaeger LH**, & Fuller BM. The use of dexmedetomidine in the emergency department: A systematic review. *Academic Emergency Medicine* 2023, 30(3), 196-208. doi:10.1111/acem.14636
26. Bombardieri, AM, Singh, NP, **Yaeger L**, Athiraman U, Tsui BCH, Singh, PM The regional cerebral oxygen saturation effect of Inotropes/Vasopressors administered to treat intraoperative hypotension: A bayesian network meta-analysis. *Journal of Neurosurgical Anesthesiology* 2023, 35(1), 31-40.
27. Ghoshal A, Bhanvadia S, Singh S, **Yaeger L**, Haroutounian S. Factors associated with persistent postsurgical pain after total knee or hip joint replacement: A systematic review and meta-analysis. *Pain Reports* 2023, 8(1): E1052.
28. Holzer KJ, Veasley C, Kerns RD, Edwards, RR, Gewandter JS, **Yaeger LH**, Langford DJ, Haroutounian, S. Partnering with patients in clinical trials of pain treatments: A narrative review. *Pain* 2022, 163(10), 1862-1873.
29. Hoyt CR, Hurwitz S, Varughese, TE, **Yaeger LH**, King AA. Individual-level behavioral interventions to support optimal development of children with sickle cell disease: A systematic review. *Pediatric Blood and Cancer* 2023, 70 (3):e30178
30. Iltis AS, Rolf L, **Yaeger L**, Goodman MS, DuBois JM. Attitudes and beliefs regarding race-targeted genetic testing of black people: A systematic review. *Journal of Genetic Counseling* 2023, 32(2), 435-461.
31. Lee JJ, Chibueze S, Walia, A, **Yaeger LH**, Zenga J, Puram, SV, Pipkorn, P. Infection control with topical antimicrobial prophylaxis for mucosal head and neck surgery: A meta-analysis. *Otolaryngology - Head and Neck Surgery (United States)* 2023, 168(3), 261-268.
32. Raman S, Sanka S A, Ji J, **Yaeger L**, Skolnick G B, Christensen, JM (2023). Vascularized lymph node transfer for the treatment of lymphedema: A systematic review and meta-analysis of clinical and patient-reported outcomes. *Plastic Aesthetic Research* 2023, 10:6
33. Rosenbloom JI, **Yaeger LH**, Porat S. Reference ranges for corpus callosum and cavum septi pellucidi biometry on prenatal ultrasound: Systematic review and meta-analysis. *Journal of Ultrasound in Medicine* 2022, 41(9)

34. Rosenbloom JI, **Yaeger LH**, Porat S. Reference ranges for vermis biometry on prenatal ultrasound: Systematic review and meta-analysis. [Referenzbereiche für die Biometrie des Vermis cerebelli im pr natalen Ultraschall: Systematischer Überblick und Metaanalyse] *Ultraschall in Der Medizin* 2023, 44(1), E25-E38.
35. Sisk BA, Keenan M, Goodman MS, Servin, AE, **Yaeger LH**, Mack JW, DuBois JM. Racial and ethnic disparities in communication study enrollment for young people with cancer: A descriptive analysis of the literature. *Patient Education and Counseling* 2022, 105(7), 2067-2073.
36. Sulis G, Sayood, S, Katukoori, S, Bollam N, George I, **Yaeger LH**, Gandra S. Exposure to world health organization's AWaRe antibiotics and isolation of multidrug resistant bacteria: A systematic review and meta- analysis. *Clinical Microbiology and Infection* 2022, 28(9), 1193-1202.
37. A scoping review of frameworks in empirical studies and a review of dissemination frameworks. Baumann AA, Hooley C, Kryzer E, Morshed AB, Gutner CA, Malone S, Walsh-Bailey C, Pilar M, **Sandler B**, Tabak RG, Mazzucca S. *Implement Sci.* 2022 Aug 9;17(1):53.
38. Promoting rigor and sustainment in implementation science capacity building programs: A multi-method study. Huebschmann AG, Johnston S, Davis R, Kwan BM, Geng E, Haire-Joshu D, **Sandler B**, McNeal DM, Brownson RC, Rabin BA. *Implement Res Pract.* 2022 Dec 25;3:26334895221146261.
39. Protocol for a scoping review of health equity frameworks and models applied in empirical studies of chronic disease prevention and control. Walsh-Bailey C, Gilbert A, Shato T, **Sandler B**, Baumann AA, Bradley CD, McLoughlin GM, McGuire FH, Fort MP, Tabak RG. *Syst Rev.* 2023 May 11;12(1):83.
40. Social determinants of health and US cancer screening interventions: A systematic review. Korn AR, Walsh-Bailey C, Correa-Mendez M, DelNero P, Pilar M, **Sandler B**, Brownson RC, Emmons KM, Oh AY. *CA Cancer J Clin.* 2023 Jun 17. doi: 10.3322/caac.21801. Online ahead of print.

Collaborator acknowledgements (Kim Lipsey)

1. Samaniego EA, Roa JA, Hayakawa M, Chen CJ, Sheehan JP, Kim LJ, Abecassis IJ, Levitt MR, Guniganti R, Kansagra AP, Lanzino G, Giordan E, Brinjikji W, Bulters D, Durnford A, Fox WC, Polifka AJ, Gross BA, Amin-Hanjani S, Alaraj A, Kwasnicki A, Starke RM, Sur S, van Dijk JMC, Potgieser ARE, Satomi J, Tada Y, Abl A, Winkler E, Du R, Lai PMR, Zipfel GJ, Derdeyn CP. Dural arteriovenous fistulas without cortical venous drainage: presentation, treatment, and outcomes. *J Neurosurg.* 2022; 136(4):942-50.
2. Durnford AJ, Akarca D, Culliford D, Millar J, Guniganti R, Giordan E, Brinjikji W, Chen CJ, Abecassis IJ, Levitt M, Polifka AJ, Derdeyn CP, Samaniego EA, Kwasnicki A, Alaraj A, Potgieser ARE, Chen S, Tada Y, Phelps R, Abl A, Satomi J, Starke RM, van Dijk JMC, Amin-Hanjani S, Hayakawa M, Gross B, Fox WC, Kim L, Sheehan J, Lanzino G, Kansagra AP, Du R, Lai R, Zipfel GJ, Bulters DO. Risk of Early Versus Later Rebleeding From Dural Arteriovenous Fistulas With Cortical Venous Drainage. *Stroke.* 2022;101161strokeaha121036450. Epub 20220414.
3. Chen CJ, Buell TJ, Ding D, Guniganti R, Kansagra AP, Lanzino G, Giordan E, Kim LJ, Levitt MR, Abecassis IJ, Bulters D, Durnford A, Fox WC, Polifka AJ, Gross BA, Hayakawa M, Derdeyn CP, Samaniego EA, Amin-Hanjani S, Alaraj A, Kwasnicki A, van Dijk JMC, Potgieser ARE, Starke RM, Sur S, Satomi J, Tada Y, Abl AA,

Winkler EA, Du R, Lai PMR, Zipfel GJ, Sheehan JP. Intervention for unruptured high-grade intracranial dural arteriovenous fistulas: a multicenter study. *J Neurosurg.* 2022; 136(4):962-70.

4. Abecassis IJ, Meyer RM, Levitt MR, Sheehan JP, Chen CJ, Gross BA, Smith J, Fox WC, Giordan E, Lanzino G, Starke RM, Sur S, Potgieser ARE, van Dijk JMC, Durnford A, Bulters D, Satomi J, Tada Y, Kwasnicki A, Amin-Hanjani S, Alaraj A, Samaniego EA, Hayakawa M, Derdeyn CP, Winkler E, Abla A, Lai PMR, Du R, Guniganti R, Kansagra AP, Zipfel GJ, Kim LJ. Recurrence after cure in cranial dural arteriovenous fistulas: a collaborative effort by the Consortium for Dural Arteriovenous Fistula Outcomes Research (CONDOR). *J Neurosurg.* 2022; 136(4):981-9.

5. Abecassis IJ, Meyer RM, Levitt MR, Sheehan JP, Chen CJ, Gross BA, Lockerman A, Fox WC, Brinjikji W, Lanzino G, Starke RM, Chen SH, Potgieser ARE, van Dijk JMC, Durnford A, Bulters D, Satomi J, Tada Y, Kwasnicki A, Amin-Hanjani S, Alaraj A, Samaniego EA, Hayakawa M, Derdeyn CP, Winkler E, Abla A, Lai PMR, Du R, Guniganti R, Kansagra AP, Zipfel GJ, Kim LJ. Assessing the rate, natural history, and treatment trends of intracranial aneurysms in patients with intracranial dural arteriovenous fistulas: a Consortium for Dural Arteriovenous Fistula Outcomes Research (CONDOR) investigation. *J Neurosurg.* 2022; 136(4):971-80.

Other recognized contributions

1. Becker Blog "*Resources to fight COVID-19 misinformation*" by Michelle Doering, August 16, 2021, was highlighted during the 2022 Medical Library Association Janet Doe Lecture, May 16, 2023 which discussed the critical role librarians play in disseminating misinformation, disinformation and fake news.

2. The University of Missouri Libraries asked permission to use Becker's LibGuide: "*Patient Safety and Quality Improvement*" by Debbie Thomas.

<https://libraryguides.missouri.edu/PatientSafetyQualityImprovement>

3. PubMed Central – Journal Review Process Member – **Cathy Sarli**

4. DMPTool NIH Template Working Group Member – **Seonyoung Kim**

5. NIH DMSP Guidance Working Group Member – **Seonyoung Kim**

6. Medical Library Association – Janet Doe Jury Committee Chair – **Amy Suiter**

7. American Libraries Association – ACRL/Science and Technology Section – Liaisons Committee Member – **Amy Suiter**

8. Saint Louis Medical Librarians – Recognition and Awards Committee Member – **Maze Ndikum**

9. Saint Louis Medical Librarians – Member-at-Large – **Cathy Sarli**

10. Saint Louis Medical Librarians – President – **Laura Simon**

11. Saint Louis Medical Librarians – Treasurer – **Amy Suiter**

Appendix C – Departmental Staff Listing

Library Director

Paul Schoening *Associate Dean and Director*

Library Administration

Sarah Kalkbrenner *Manager, Financial Operations*
Cherelle Brooks *Accounting Assistant II*
Junhee Lim *Senior Department Accounting Assistant*

Archives and Rare Books

Elisabeth Brander *Head, Rare Books*
Angela He *Librarian*
Stephen Logsdon *Head, Archives*
Sarah Bush *Processing Archivist*
Bree Jennrich *Library Associate*
Philip Skroska *Visual and Graphic Archivist*

Circulation

Angie Rosengarten *Information Desk Supervisor*
Ariel Foland *Library Assistant*
Adam Pesek *Library Assistant*
Nathaniel Potts *Library Assistant*
Monique Vieira *Library Assistant*
Alex Williford *Library Assistant*

Research Services

Marcy Vana *Associate Director, Research Services*
Seonyoung Kim *Senior Support Scientist*
Maze Ndukum *Senior Support Scientist*
Cathy Sarli *Senior Librarian*
Brittney Sandler *Research Support Librarian*
Laura Simon *Research Support Librarian*
Chris Sorensen *Senior Support Scientist*
Amy Suiter *Research Support Librarian*

Health Information Services & Collection Management

Deborah Thomas *Associate Director, Health Information and Collection Management Services*

Michelle Doering	<i>Librarian</i>
Emily Gallaher	<i>Librarian</i>
Anise Gilliam	<i>Serials Assistant</i>
Denise Hannibal	<i>Acquisitions Librarian</i>
Angela Hardi	<i>Librarian</i>
Kim Lipsey	<i>Librarian</i>
Barb Mathieu	<i>Library Associate</i>
Anna Vani	<i>Catalog Librarian</i>
Lauren Yaeger	<i>Librarian</i>

Health and Science Communication

Mychal Voorhees	<i>Senior Health Communication Specialist</i>
Monica Sala-Rabanal	<i>Communication Specialist II</i>

Library Technology Services

Robert Altman	<i>Head, Library Technology Services</i>
Debbie Cribbs	<i>Web Developer</i>
Lucas Steinbeck	<i>Technology Support Analyst II</i>

Appendix D – Lectures and Events Sponsored and Co-Sponsored by Becker Library

Open October (Virtual)

Make data count: Data citations

John Chodacki, Director, University of California Curation Center
Oct. 12, 2022

What's your story? Using narratives to open science

Maryam Zaringhalam, PhD, NLM Data Science & Open Science Officer, National Library of Medicine
Oct. 18, 2022
In partnership with Becker Library's Center for Health & Science Communication

Love Data Week (Virtual) (February 13-17, 2023)

NIH Experts on Implications of New Data Management and Sharing Policy

Cindy Danielson, PhD, Associate Director, Systems Integration in the Office of Research Reporting and Analysis, NIH
Lisa Federer, PhD, Acting Director, National Library of Medicine's Office of Strategic Initiatives
Taunton Paine, MA, Director of the Scientific Data Sharing Policy Division, NIH
Feb. 14, 2023

#SciComm Seminars

Communicating beyond the academy: Reaching policymakers and stakeholders

Beth Prusaczyk, PhD, MSW, Washington University School of Medicine
September 22, 2022

What's your story? Using narratives to open science

Maryam Zaringhalam, PhD, NLM Data Science & Open Science Officer, National Library of Medicine
October 18, 2022

Social media engagement for healthcare workers

Rakhee K. Bhayani, MD, Washington University School of Medicine
November 8, 2022

How to craft a creative pitch

Cyril Loum, Assistant Director of Venture Development, Washington University
January 24, 2023

The Translational Science Benefits Model: Moving beyond traditional measures of research impact

Stephanie Andersen, Washington University
March 9, 2023

Historia Medica Lectures

Presented in partnership with the Center for the History of Medicine

83rd Historia Medica Lecture

A new vision: Chinese spectacles and eyesight in 'A History of Lenses' (1681)

Kristina Kleutghen, PhD

Sept. 21, 2022

84th Historia Medica Lecture

When Disparities Remain: The Enduring Legacy of Segregated Medicine

Ezelle Sanford III, PhD

Feb. 24, 2023

85th Historia Medica Lecture

Diagnosing illness at the Heian court: onmyōji and esoteric Buddhist monks at the time of the Tale of Genji

Alessandro Poletto, PhD

April 19, 2023

Other Events

The fantastical anatomical collections of Frederik Ruysch: A symposium

Keynote speaker: Joanna Ebenstein, Morbid Anatomy Museum

Panelists: Claudia Swan, PhD and Rebecca Messbarger, PhD, Washington University; Elizabeth Wyckoff, PhD, Saint Louis Art Museum

November 11, 2022

Annual Display of Rare Anatomical Texts

November 29, 2022

Tour of Dr. H. Phillip Venable Memorial Park

Dr. Geoff Ward, Professor of African & African American Studies, Washington University

Meredith McKinley, City of Creve Coeur

May 2, 2023

Glaser Gallery Exhibits

Through the Scope: A Small History of Microscopy

July 2022 – October 2022

How Did We Get Hear? Historic Hearing Devices, 1800-2000

November 2022 – February 2023

In Their Own Words: Stories of Desegregation at Washington University Medical Center

March 2023 – June 2023

Special Collections Book Club

Presented in partnership with University Libraries Special Collections

The Book of Madness and Cures by Regina O'Melveny

March 15, 2023