BECKER MEDICAL LIBRARY 2023-24 ANNUAL REPORT

Biomedical Information

The library's collection of books, journals, databases, and other resources that directly support the teaching, research, and patient care missions of the medical school.

Institutional Knowledge

Tools and resources for identifying University expertise, showcasing scholarly output, connecting potential collaborators, and wayfinding for those seeking information from and about Washington University School of Medicine.

Health and Science Communication

Resources and programs to enhance the communication of faculty, staff, and students to more effectively engage a diverse set of audiences.

Data and Research Computing

Resources and services in support of data management, data sharing, data analysis, data visualization and research computing.

Areas of Expertise @ Becker Medical Library

Searching and Synthesis

Identifying credible resources and using them effectively to answer complex questions. Bringing together information from a range of sources and disciplines to inform debates and decisions on specific issues.

Medical Center Archives

Historical archives of Washington University School of Medicine, Barnes-Jewish Hospital and Children's Hospital. Preserving the heritage of these institutions and their impact locally and globally.

Scholarly Communication and Research Impact

Expertise in navigating the complex landscape of scholarly publishing, illustrating the impact of research, and strategies for making research more impactful.

History of Medicine

Rare books, educational programs, and exhibits illuminating the birth of medicine as a scientific endeavor and Washington University's place in medical history.

Executive Summary

During the 2023-2024 academic year Becker Library continued to make significant contributions in support of the medical school's faculty, staff and students. Highlights of activities in our areas of expertise include:

Biomedical Information
- Co-signed with University Libraries a transformative license agreement with Elsevier for ScienceDirect that offers waivers and discounts on article processing charges for hybrid and open access journals.
- Acquired 243 print texts, 27 new journals, and 2 databases (SportsDiscus and Overton)

Data and Research Computing
- Provided individualized support to more than 100 researchers and research teams writing data management and sharing plans and sharing data in repositories.
- Introductory research computing workshops to reduce barriers to using R, Python and campus high performance computing resources saw more than 1,000 attendees across 20 workshops.

Health and Science Communication
- This year marked Becker Library's sixth hosting SciComm Seminars. The Center for Health & Science Communication featured three #SciComm Seminar presentations in FY24, drawing a combined attendance of 117.
- In November of 2023, the Center for Health & Science Communication launched the SciComm Journal Club, an interactive gathering of Washington University community members from different fields, professional avenues, and career stages — all with a shared interest in science communication.
- The center offered a two-hour storytelling workshop to the medical campus community in November 2023. This two-hour interactive workshop, facilitated by St. Louis-based Campfire, offered a primer for attendees to uncover and share personal narratives. This workshop was provided in support of the second annual, *In Our Words*, storytelling event.

History of Medicine
- The Center for the History of Medicine at Becker Library organized a spring break trip for Phase I medical students to Leiden and Amsterdam, focusing on the Dutch Golden Age's medical legacy. An expanded history of medicine program which will include a trip abroad was approved as a formal Phase III elective for medical students in 2024-25.
- Created three exhibits showcasing Becker Library's collections of rare books, including a joint exhibition with Olin Library that focused on the different aspects of alchemy, from its role in art and literature to its connection with chemistry. The exhibit featured many items from Becker's Paracelsus collection as well as other texts related to distillation, metallurgy, and other alchemy-adjacent subjects.

Institutional Knowledge

- Becker Library continued to lead further development, adoption and support of Research Profiles at Washington University School of Medicine in FY24. Research Profiles had more than 325,000 unique visitors performing close to 300,000 searches on the platform during FY24, with usage coming from locations across the country and around the world. During those visits, users viewed close to 1.1 million pages.

Medical Center Archives

- The extensive Jerome R. Cox Jr. collection at Becker Archives spans 114 archival boxes of material that detail Dr. Cox's 50-year career at Washington University, where he served as the director of the Biomedical Computer Laboratory and chair of the Department of Computer Science. His collection is now fully accessible to researchers.
- Fiscal year 2024 was an extraordinary year for donations of significant archival collections to the Becker Archives. These donations included, Mary Bartlett Bunge Papers, Rutherford B. H. Gradwohl Papers, Brian Sullivan Oral History, Marcus E. Raichle Papers and E. James Anthony Papers.

Scholarly Communications and Research Impact

- Author analytics and evaluation support continued to be an active area of focus during FY24 due to the high level of interest in this area. Guidance and reports were provided for individuals and groups with requests coming from across the School of Medicine. Becker Library's subject guide Quantifying the Impact of My Publications with curated information and guidance on these topics had more than 10,000 views over the course of FY24.
- Open October 2023, Becker Library's and University Libraries' joint effort to promote open science, open education, and open access, included a panel presentation given by leaders at the NIH, NSF and NASA on the future of public access policies and sharing of research findings. Another highlight of the programming was a presentation given by Tim Holy, PhD, from the Department of Neuroscience at the School of Medicine, on tools that supercharge open-source scientific software.

Searching & Synthesis

- Assisted with 94 systematic reviews, 43 scoping reviews, 2 narrative reviews and 2 rapid reviews.
- Four tutorials were created that provide answers to the most frequently asked questions about conducting evidence synthesis.

These achievements and Becker Library's outstanding reputation are made possible by the library's dedicated and knowledgeable information professionals. Their commitment to service wins accolades from across the university and the country. Please read more about their accomplishments in the following annual report.

Bernard Becker Medical Library

Annual Report – Fiscal Year 2024

About Bernard Becker Medical Library

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 26,573 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 regular exhibitions and a lecture series.

Significant Activities in Special Collections during Fiscal Year 2024

Completion of the finding aid to the Katherine Bain Papers

As a 1925 graduate, Dr. Bain was the 11th woman to graduate from Washington University School of Medicine. She enjoyed an incredibly impressive 30-year career serving as the director of the division of research in child development at the Children's Bureau of the U.S. Department of Health, Education, and Welfare. Dr. Bain was also appointed by President John F. Kennedy to serve on the executive board of the United Nations International Children's Emergency Fund (UNICEF). Her collection of professional and personal correspondence is now accessible for research. For additional information about Dr. Bain and her collection at Becker Archives, see this link below:

https://becker.wustl.edu/news/dr-katherine-bain/

Jerome R. Cox Jr. Papers now open for research

The extensive Cox collection at Becker Archives spans 114 archival boxes of material that detail his 50-year career at Washington University, where he served as the director of the Biomedical Computer Laboratory and chair of the Department of Computer Science. His collection is now fully accessible to researchers. For additional information about Dr. Cox and his collection at Becker Archives, see this link below:

https://becker.wustl.edu/news/jerome-r-cox-jr-papers/

Notable accessions to Becker Archives

Fiscal year 2024 was an extraordinary year for donations of significant archival collections to the Becker Archives. Accessions donated in the past fiscal year include:

Mary Bartlett Bunge Papers

Dr. Bunge was a distinguished neuroscientist whose research focused on curing paralysis. She served as a professor at Washington University School of Medicine along with her husband Richard Bunge for 20 years. Her collection includes hundreds of electron microscopy prints and 35mm negatives, research data and notes, laboratory notebooks, an electron microscopy logbook, and professional correspondence.

https://beckerarchives.wustl.edu/FC193

Rutherford B. H. Gradwohl Papers

Dr. Gradwohl was an 1898 graduate of the Washington University School of Medicine who became a pioneer in the field of forensic pathology. He established the first crime lab at the St. Louis Police Department, and he founded the American Academy of Forensic Sciences. Among an assortment of other items in this small collection are very early lantern slides of microscopic specimens recovered from his office.

https://beckerarchives.wustl.edu/PC030

Brian Sullivan Oral History

Brian Sullivan served as the Executive Director of the Medical Scientist Training Program (MSTP) at Washington University School of Medicine from 1994-2024. During his recorded interview, Sullivan reflects on his career and the evolution of the program and highlights his role in national MD-PhD program reviews and his contributions to the national MD-PhD community.

https://beckerarchives.wustl.edu/OH157

Marcus E. Raichle Papers

Dr. Raichle was a distinguished member of the faculty at Washington University School of Medicine, where he served as Professor of Radiology, Neurology, Neurobiology and Biomedical Engineering. Notably, he made important contributions to the study of human brain function through the development and use of positron emission tomography (PET) and functional magnetic resonance imaging (fMRI). His collection includes 35mm slides and photographs of WUSM facilities featuring PET research and WUSM staff and faculty, correspondence files related to his publications, and files concerning the history of neuroimaging.

https://beckerarchives.wustl.edu/FC197

E. James Anthony Papers

Dr. Anthony was a world-renowned child psychiatrist best known for his work on resilience and invulnerability risk in children, particularly those whose parents had serious mental illnesses. He began serving as the chair in child psychiatry in 1958 at Washington University School of Medicine. During his career, he wrote over 300 articles and 19 books. His collection includes 27 boxes of letters, research notebooks, audio and video cassette tapes, and photographs.

https://beckerarchives.wustl.edu/FC183

Travel scholarship

Keith Mayes, PhD is the Morse-Alumni Distinguished Teaching Professor in the Department of African American and African Studies at University of Minnesota. He visited Becker Archives during the week of May 6-10 to research methods developed by the psychiatry department faculty of Washington University. He reviewed the papers of Samuel Guze, Lee Robins, and Eli Robins to identify the history of overuse of American psychiatrists' applying the label "disability" on underprivileged children.

Practicum Student

Becker hosted a practicum student in the spring of 2024. Mallory Rodell, an MLIS student at the University of Missouri (Columbia) worked with the archives staff from January to May on a number of projects with the archives staff. As part of her practicum, Mallory published a

short biography of US Army nurse Julia Stimson for the Archives and Rare Books Newsletter, and she also created a finding aid for the Esther M. Albrecht Turner Collection.

Digital Archivist

Becker Library's Bree Jennrich became the Digital Records Archivist in the spring of 2024. This position accelerates the Becker Archives goal to gain control over the extensive born-digital records generated by the Washington University School of Medicine and its affiliated hospitals that are transferred to the library for permanent retention each year. In the coming years, Jennrich will establish a digital archives program to coordinate the transfer, ingest, arrangement, and description of all of the Washington University medical center's historic born-digital records.

Archives Glaser Gallery Exhibit

An exhibit running from November to February featured Noble Prize winners associated with Washington University. This exhibit titled "In the Company of Greatness" highlighted the colleagues, teachers, lab technicians, and administrators that enabled Nobel Prize-winning work at the university.

Historia Medica Lecture

Jaipreet Virdi, PhD gave the 86th Historia Medica lecture on September 26th and spoke about the perception of life as a deaf person in America and the history of attempted cures for deafness in the past 200 years. Dr. Virdi, a 2019 travel scholarship recipient to review antique hearing devices at the Becker Archives, is an Associate Professor of History at the University of Delaware whose research focuses on the ways medicine and technology impact the lived experiences of disabled people. She is author of "Hearing Happiness: Deafness Cures in History" which was published in 2020.

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.

Several significant works were added to Becker Library's rare book collections over the past year. These all adhere to our current acquisition goals, which include strengthening our holdings in Asian medicine and everyday household remedies.

- Gottfried Samuel Bäumler. Mitleidiger Artzt unberhaput Gegen alle arme Krancke. Strasburg: 1731.

- Aufrichtige und bewährte Nachrichten Von Allem ersinnlichen Koch und Backwerk. Stuttgart: 1748-49.

- St. Marcoul geurissant les Ecruelles. Belgium : 1750.

- Zhongzi Li. *Xiang jiao yi zong bi du*. Suzhou : Qing period.

- Kiyohara Shigetaka Toneri. *Somoku Seifu.* Japan: 1823.
- Japanese physiognomy woodblock. Japan: mid- or late Edo period.

The rare books division put on three exhibits during the 2024 fiscal year.

- "Long shalt thou live, if these well be done: Food, Drink and Health"
An exhibit in Becker Library's Glaser Gallery that explores the medical uses of food, drink, and diet in our rare book collections, beginning with ancient Greece and medieval Europe through 19th and 20th century America.

- "Secret Sciences: The Hidden Arts of Alchemy"
A joint exhibition with Olin Library that focused on the different aspects of alchemy, from its role in art and literature to its connection with chemistry. The exhibit featured many items from Becker's Paracelsus collection as well as other texts related to distillation, metallurgy, and other alchemy-adjacent subjects.

- "The Novel Nineteenth Century"
Displayed in Becker Library's Glaser Gallery highlighted 19th century medical movements such as homeopathy and electrotherapy.

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:

- **Doctors and Distillers Lecture & Historic Cocktails Happy Hour**
Camper English, cocktail historian and author of *Doctors and Distillers*, gave a Zoom lecture on the connections between medicine and the development of cocktail culture. The Historic Cocktails happy hour gave participants the chance to taste cocktails that use ingredients with medicinal roots.

- **Historia Medica**. Bill Newman, "Techniques and Aims of Isaac Newton's Alchemy."
Bill Newman, Professor of History at Indiana University, spoke on Isaac Newton's alchemical practices. This lecture complemented the joint Becker-Olin exhibit on alchemy, and highlighted how in the early modern period, the lines between alchemy and chemistry were often blurred

- **Annual Display of Rare Anatomical Texts**. The rare book division's annual display of rare anatomical texts which gives people the opportunity to see, up close, the seminal works of anatomy from the 16th to 20th centuries. This annual display is open to the public and regularly sees more than 100 visitors.

History of Medicine Tour for Medical Students

The Center for the History of Medicine at Becker Library organized a spring break trip for Phase I medical students to Leiden and Amsterdam, focusing on the Dutch Golden Age's medical legacy. The trip included visits to significant sites such as the University of Leiden, the Hortus Botanicus, the Rijksmuseum Boerhaave, and the Bibliotheca Thysiana library. These locations highlighted the intertwined nature of medicine, the humanities, and the sciences in early modern Europe.

Students explored historic anatomical collections at the University of Leiden and the University of Amsterdam, providing insight into the ethical considerations of displaying anatomical specimens acquired without patient consent. The trip also included a visit to the Mauritshuis Art Museum to view Rembrandt's "The Anatomy Lesson of Dr. Nicolaes Tulp," emphasizing the artistic aspects of early modern medical texts.

The program was made possible through a gift from Dr. Bernard Becker and will continue as a Phase 3 elective in 2025.

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. In fiscal year 2024 they took the lead on promoting resources from the Feuerstein Health & Wellness Information Center by creating a Staff Picks program that created attractive displays highlighting selected books from the Feuerstein collection.

Resource Management

Washington University Libraries and Bernard Becker Medical Library announce a new and transformative open access agreement with Elsevier, spanning from January 1, 2024, to December 31, 2027, that provides access to additional journal content, makes it free to read and share, and offers WashU authors open access publishing at no cost. The agreement broadens publishing opportunities for WashU authors across all disciplines, supports authors who wish to publish open access articles, and fosters open science and scholarship by expanding access to WashU research findings without barriers in fulfillment of the WashU Open Access Resolution.

New acquisitions included 243 print texts, 27 journals and two databases, SportDiscus and Overton (a repository of policy documents). The feasibility of expanding the collection for Asian health/medicine was explored, a bibliography was compiled, with pricing and availability researched. New acquisitions will continue into FY2025.

New interlibrary loan webpages were implemented that are mobile-optimized and provide patrons with their request history. Three-hundred, sixty-five (365) new interlibrary (ILLIAD) users were registered. Students took advantage of the ILL service and submitted 411 requests.

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 One 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, judge the credibility of the resources and answers obtained, and then explain how the answers obtained apply to the trigger for the 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.

An librarian provided an optional Endnote session for students within the Gateway curriculum EXPLORE program. The program creates opportunity for scholarship in global health, education, innovation and research.

Postgraduate educational support

Becker 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, Medical Oncology, Obstetrics and Gynecology, and Orthopedic Surgery, 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. Becker librarians provided didactic training entitled "Your Questions Answered: Library Support for Searching & Publishing".

Two face-to-face instructional sessions were provided to students of the new post-professional occupational therapy doctoral program.

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.

Students in the Audiology and Communication Sciences program were provided literature search instruction to aid in capstone projects.

Professional development

A 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

Collaborating with the Inter-Professional Practice and Education Division, a Becker librarian 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.

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 I^2 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

The collection management librarians worked with course instructors for acquisition of resources to support the curriculum.

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

The HIS team conducted a survey for the evaluation of a new AI tool, *ClinicalKey AI*, as a possible resource for students.

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

Feuerstein Health and Wellness Center (FHWC)

Twenty-nine new books were added to the FHWC collection. There were over 250 checkouts of wellness, DEI and student-curated books.

Several students applied for Feuerstein wellness micro grants. Grants were awarded to students to fund a GME soccer team, a pottery class, pickle-ball court reservations, a humanities writing program, and a board game club.

Systematic & Scoping Reviews

The HIS Team completed 94 systematic reviews: 43 scoping reviews, 2 narrative reviews and 2 rapid reviews. Librarians were co-authors on 39 published systematic reviews. Research questions were predominately clinical (75%) but covered psychosocial (17%) as well as education (6%) topics. The orthopedic surgery department had the highest utilization of the service (11%) with both Neurology and Public Health Sciences having a utilization rate of 10%.

After surveying patrons about what they preferred to learn about performing systematic reviews, four tutorials were created that provide answers to the most frequently asked questions about conducting evidence synthesis.

An email newsletter was created, "News and tips about Systematic and Scoping Reviews", that will provide useful information on a quarterly basis to hundreds of review team members.

A live Covidence webinar provided an overview and demonstration of popular features including importing, title screening and data extraction. HIS librarians provided 25 consults on the use of Covidence.

EndNote support

EndNote training and trouble-shooting support was provided with 26 one-on-one sessions. The EndNote LibGuide has proven useful with 1550+ views.

Outreach activities

A National Library of Medicine traveling poster exhibit called "Fire and Freedom" was hosted along with an accompanying book display.

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.

A Becker library information table was provided at the annual Research Administrator Appreciation Day and at the Dept. of Medicine, new faculty orientation resource fair.

The Accreditation Council for Graduate Medical Education (ACGME) requested assistance from Becker library in providing Review Committee members with 33 database searches for evidence to inform new procedures and standards.

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 and supports awareness, access, and training on a variety of software tools for biomedical data analysis and visualization. Education and assistance are also offered in the areas of data management and sharing plans, recommended data management practices, and identification and use of repositories appropriate for data sharing. The team also manages and curates a generalist, institutional data repository for the School of Medicine. 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 and funding landscapes. Assistance to authors and researchers is available on a wide range of issues including traditional and open access publishing options, public access mandates, copyright, author rights, grant application tools, ORCID, 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 FY24 due to the high level of interest in this area. Guidance and reports were provided for individuals and groups with requests coming from 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, and more. 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 with curated information and guidance on these topics had more than 10,000 views over the course of FY24.

Several evaluation reports were also completed during FY24. 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

Supporting Authors and Grant Compliance

NIH Public Access Policy

Becker Library and the Office of the Vice Chancellor for Research continued to work together in FY24 to promote compliance with the current NIH Public Access Policy, as the need for support in this area continues to be very high. During FY24, 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 and more. To date, Becker Library has submitted close to 550 articles to NIHMS on behalf of NIH-funded authors, and Washington University in St. Louis has a 95% compliance rate with the NIH Public Access Policy to date (close to 40,000 articles). In addition to the NIH Public Access Policy, Becker Library continued to provide support for over 50 other public access policies from other government agencies and funding organizations.

A draft of the new NIH Public Access Policy was released at the end of FY24 in response to the guidance communicated by the White House Office of Science and Technology Policy (OSTP) at the beginning of FY23. Some upcoming changes planned for the new NIH Public Access Policy include a zero-embargo period and inclusion of a Government Use License and Rights statement in manuscripts. The final version of the new NIH Public Access Policy is set to be published in FY25 and will go into effect in FY26. In preparation for the new policy, Becker Library staff have been actively monitoring NIH communications as well as publisher responses and have continued to collaborate with institutional partners 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 My Bibliography and SciENcv during FY24. Becker Library's NIH Biosketch subject guide with curated information and guidance had close to 35,000 views during the fiscal year. In addition, Becker Library staff provided individual consultations and presented several educational sessions on the NIH Biosketch, My Bibliography and SciENcv for divisions, centers, educational programs, and broad audiences of researchers and research administrators during FY24. Support needs in these areas continue to grow as funding agency requirements expand. NSF implemented a requirement for the use of SciENcv for NSF biosketches during FY24, and NIH requirements for the use of SciENcv for generating the NIH Biographical Sketch and the Current and Pending (Other) Support forms will go into effect at the end of FY25. Support and training in these areas will continue to be a focus in FY25 to support researchers with these new requirements.

ORCID

Outreach related to ORCID also continued in FY24 with Becker Library staff providing individualized consultations and informational presentations to broad audiences and educational programs. Becker Library staff also continued to curate the ORCID subject guide with important information and guidance around funder ORCID requirements, benefits of using ORCID and more. As the NIH's requirements around ORCID usage will expand in FY25, Becker Library staff will continue to focus on educating the School of Medicine community around these new requirements as well as best practices for ORCID usage going forward.

Authors continued to look to Becker Library for guidance on selecting a journal for publication in FY24, and guidance for identifying credible conferences was provided as well. Becker Library's Selecting a Journal for Publication subject guide continued to be a valued resource, with more than 80,000 views during FY24. In addition, guidance on selecting a journal was provided to educational programs on campus. Guidance was also provided to research groups related to authorship policies.

Becker Library has also continued to provide support in the area of preprints and saw an increase in preprint use by School of Medicine authors in FY24. The Preprints subject guide with curated information and guidance had close to 6,000 views during FY24.

Ongoing efforts in collaboration with our collection development team to promote the WashU Open Access Resolution (enacted in 2011) and support our authors with open scholarship practices continued in FY24. One notable accomplishment of FY24 was the signing of a four-year transformative agreement with Elsevier (2024-2027) that included favorable terms for authors and discounts for article processing charges, including Cell Press and Lancet journals. In total, there are 16 active publisher agreements in place. In anticipation of more opportunities moving forward, our WashU transformative agreement task force finalized a rubric for assessing transformative proposals from publishers in FY24 and work is continuing in FY25 to formalize metrics for measuring the success of signed transformative agreements.

The scholarly publishing community continued important work in diversity, equity, inclusion and accessibility during FY24, and Becker Library staff actively promoted new guidance and recommendations from publishers to our authors. Becker Library staff also began performing an environmental scan of U. S. universities that offer guidance for communicating with deaf and hearing-impaired students, faculty and staff during FY24. As this work continues, efforts are also underway to engage experts in this area within our community for possible collaboration.

Copyright

Becker Library provided support for the Office of the Vice Chancellor and General Counsel during FY24 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; 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 and guidance on these topics are also available on a Tools for Authors subject guide which had close to 30,000 views during FY24.

Research Profiles at Washington University School of Medicine

With ongoing funding from the Office of the Dean, ICTS 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 FY24.

Research Profiles had more than 325,000 unique visitors performing close to 300,000 searches on the platform during FY24, with usage coming from locations across the country

and around the world. During those visits, users viewed close to 1.1 million pages.

More than 325 new faculty profiles were created during FY24 to reflect new faculty hires at the School of Medicine. In addition, departments, divisions and other groups on campus continued to leverage Research Profiles more heavily in FY24 for their website faculty profile information as well as for adding feeds of research outputs, or publications, to their websites to more fully showcase their unit's scholarly output.

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 FY24. 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.

Open October

In collaboration with University Libraries, Becker Library hosted a month-long series of presentations in October 2023 highlighting trends in open science, open data and open access. This programming was loosely tied to International Open Access Week which occurs in October each year. One highlight of Open October 2023 was a panel presentation given by leaders at the NIH, NSF and NASA on the future of public access policies and sharing of research findings. Another highlight of the programming was a presentation given by Tim Holy, PhD, from the Department of Neuroscience at the School of Medicine, on tools that supercharge open-source scientific software. Other highlights rounding out Open October 2023 included a session on ORCID, sessions on open education and pedagogy, and a session on open educational resource quality and accessibility. There were close to 150 faculty, staff and trainees in attendance across all of these events.

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 four new collections created during FY24 further expanding the scope.

The new collections cover a variety of areas including webinar recordings from a career development program in physical and occupational therapy, materials from a storytelling series where medical practitioners at the School of Medicine share their stories, student projects from the Barnes Jewish College Goldfarb School of Nursing Doctor of Nursing Practice program, and oral histories on a variety of topics related to the School of Medicine.

During FY24, 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 to more than 20,000. The repository continued to receive visitors from all over the world in FY24, highlighting the broad geographic dissemination of School of Medicine scholarly outputs shared via Digital Commons@Becker. In total, there were more than 400,000 items downloaded from the repository in FY24, bringing the total number of downloads to more than 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 more than 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 FY24. The main areas of focus in FY24 were the new NIH Data Management and Sharing Policy and REDCap.

NIH Data Management and Sharing Policy

Becker Library staff continued to focus a large amount of effort in FY24 on supporting researchers with the new NIH Data Management and Sharing Policy. Many educational sessions on data management and sharing were presented to individual labs and research groups, departments, educational programs, and general audiences across campus with more than 300 individuals in attendance across almost 10 sessions.

Individual and group consultations were also in high demand in FY24, with Becker Library staff providing individualized support to more than 100 researchers and research teams writing data management and sharing plans, searching for domain-specific data repositories appropriate for sharing data, curating data to be shared in our generalist, institutional data repository, Digital Commons Data@Becker, implementing effective data management practices and more.

Becker Library's data management and sharing website continued to be a great information resource for researchers in FY24. Becker Library staff continued to make updates and enhancements to the site throughout FY24 as new information and guidance came out from the NIH and other groups, including adding more sample data management and sharing plans as they became available. Becker Library staff also shared a variety of tips and guidance through blog posts and data management and sharing newsletters in an effort to keep the School of Medicine research community up to date on data management and sharing policy developments.

REDCap and MDClone

REDCap support and education continued to be a large area of focus for Becker Library staff in FY24. In total, almost 20 REDCap workshops were taught by Becker Library staff in FY24 covering a variety of topics with close to 400 faculty, staff and trainees in attendance. Individual consultation services were also offered to provide guidance and support for individualized questions. Support continued to be provided for the WUSTL REDCap User Community in Microsoft Teams as well to help foster information sharing among REDCap users.

Becker Library staff also continued to offer MDClone training and support in FY24. Almost ten MDClone sessions were offered in total in FY24 to broad WUSM audiences and in individual course settings, with close to 120 individuals in attendance across the sessions.

Providing Education and Support in Research Computing and Software

Becker Library continued to organize and teach hands-on workshops covering a variety of research computing topics in FY24. Workshops on R and Python continued to be very popular. Becker Library also continued teaching 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 Scientific Compute platform. Workshop attendees included faculty, staff, students, and trainees from several departments at WUSM, with more than 1,000 in attendance across the almost 20 workshops offered during the fiscal year.

Research computing consultation services were also provided to support needs in this area. There were close to 100 consultations conducted during FY24 covering a variety of research computing topics.

In addition to providing research computing training, Becker Library continued to support researchers in FY24 by organizing customized training workshops on a commonly used genomics software tool. Multiple workshops were organized in FY24 focused on common use cases in genomic data analysis with almost 150 researchers in attendance.

Consultation services were also offered to help researchers find specific software resources, navigate the access process, and identify training materials. There were close to 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 a series of events on topics related to data management and sharing in celebration of Love Data Week 2024 (February 12-16, 2024). The week included a presentation on research data ethics, workshops on managing and sharing research data, and panel presentations where faculty shared the successes and hurdles their research teams have experienced managing and sharing their specific types of research data. There were more than 200 faculty, staff and trainees in attendance across the five Love Data Week events.

Collaboration with the Institute for Clinical and Translational Sciences

Becker Library staff continued to provide ongoing support for the ICTS Tracking and Evaluation Team, including participating on the Translational Science Benefits Model (TSBM) project team during FY24. Becker Library staff continued to identify, develop and review TSBM case studies and continued to serve on the TSBM Workgroup within the Clinical and Translational Science Award Program's Center for Leading Innovation and Collaboration. In addition, Becker Library staff served on the TSBM Validation Project with collaborators from the University of California, Irvine.

Becker Library staff also continued to generate annual publication reports and citation analyses on ICTS members (roughly 3,500) in FY24 and 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 quarterly basis during FY24, and monthly reports on the HIV, Infectious Disease and Global Health Implementation Research Institute were generated as well.

Becker Library staff also participated in the ICTS Precision Health collaboration and the Bioinformatics Working Group in FY24 as a way to synergize efforts across campus related to support of data management and sharing and genomic data analysis. These efforts also 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 FY24 was the continued 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. The number of example plans available in this grants library continued to grow in FY24 extending the benefits of this valuable resource for WashU researchers.

Health & Science Communication

[The Center for Health and Science Communication](#) at Becker Library ensures that medical school faculty, staff, and students have the tools, education opportunities, and resources to communicate their work effectively and engagingly.

It meets its mission by magnifying the impact of communication experts at the medical school, enabling collaborative networks on campus, and delivering communication programs and services in response to areas of interest and need. In FY24, the center disseminated a campus-wide needs assessment to help identify these areas of interest and need to better serve the campus in FY25 and beyond.

Science Communication

#SciComm Seminars

This year marked Becker Library's sixth hosting SciComm Seminars. The Center for Health & Science Communication featured three #SciComm Seminar presentations in FY24, drawing a combined attendance of 117. Chris Woolston, Research Writer for Arts & Sciences at Washington University, touched on his reporting at the intersection of biology, psychology, and mental health. He gave valuable insights from his freelancing days with major publications, including *Nature* and *The New York Times*. Victoria May, Executive Director of the Institute for School Partnership at Washington University, shared the positive impact of her group's work with local STEM teachers to boost the quality of K-12 educational programs. The center also partnered with Washington University's trainee-run science communication network, [InPrint,](#) to host Zen Faulkes, author of *Better Posters.* Dr. Faulkes taught attendees how to plan, create, and present memorable conference posters. Recordings of all three talks are available for viewing on Becker Library's [Digital Commons](#).

A Writer's Journey: University Communicator to Journalist and Back Again
Chris Woolston, MS
September 14, 2023
Attendance: 35

Forging Relationships with K-12 Schools: The Power of Listening First
Victoria May
February 22, 2024
Attendance: 32

Save Your Poster, Save the World
Zen Faulkes, PhD
April 11, 2024
Attendance: 50

SciComm Journal Club

In November of 2023, the Center for Health & Science Communication launched the SciComm Journal Club, an interactive gathering of Washington University community members from different fields, professional avenues, and career stages — all with a shared interest in science communication. The club held three sessions in FY2024, two in collaboration with the Division of Biology & Biomedical Sciences' [Science Communication Credential](#) program. The sessions attracted a total of 48 participants.

[Misinformation In and About Science](#)
November 1, 2023
Facilitated by Monica Sala-Rabanal, PhD
Attendance: 14

[How the Design of Presentation Slides Affects Audience Comprehension](#)
March 20, 2024
Facilitated by Clarice Pavlak
Attendance: 19

[Avoiding Ableist Language: Suggestions for Autism Researchers](#)
May 15, 2024
Facilitated by Sneha Chaturvedi
Attendance: 15

Health Communication

Workshops and Classes

In FY24, the center offered customized health communication training for students, staff, faculty, and fellows from Anesthesiology, Cardiology, Public Health Sciences, Physical Therapy, Pediatrics, General Surgery, and The Harvey A. Friedman Center for Aging. These trainings included an interactive workshop for general surgery residents with tailored activities to practice revising surgery-related patient handouts. More than 150 people participated in the center's health communication trainings in FY24.

As part of the Program in Physical Therapy's Health, Fitness, and Prevention course, the health communication specialist provided a two-part lecture on Health & Media Literacy. Students were given an overview of health literacy, media literacy, and their impact on patients and research participants. Following the lecture, students reviewed health websites for patient accessibility and practiced editing physical therapy-related documents for plain language principles.

Plain Language Review Services

As part of the library's plain language review service, the health communication specialist reviewed more than 35 pages of materials, including research consent forms, clinical trial results documents, and patient handouts.

In FY24, the specialist also completed a comprehensive review of patient information documents to be shared in a patient portal as part of a grant. This project entailed reviewing eight modules to educate patients with vascular anomalies for readability and accessibility. Using the recommendations established by the Plain Language Action and Information Network (PLAIN), the specialist simplified language, defined technical terms, and ensured documents were formatted using best practices.

Other Communication Education Opportunities

Science Communication to Enhance Health Decisions

As part of the center's mission to serve as a hub of communication activities on the med campus, we partnered with The Center for Collaborative Care Decisions to bring together those interested in health and science communication. In October 2023, the centers co-hosted a half-day communication symposium, *Science Communication to Enhance Health Decisions*. This symposium featured a keynote by Dr. Ellen Peters, PhD, Director of the

Center for Science Communication Research (SCR) and Professor in both the School of Journalism and Communication and the Psychology Department at the University of Oregon. The symposium also highlighted a panel of local communication experts, including representatives from St. Louis Public Radio, Health Literacy Media, and Siteman Cancer Center. Forty-three members of the WashU community attended. The keynote can be viewed on Becker Library's Digital Commons.

Expanding Health Information on Wikipedia

In October 2023, the center assisted with this 90-minute workshop cosponsored by medical student groups MedSpan and MedFrench. During this workshop, participants learned how to edit Wikipedia pages while practicing their Spanish and French skills to improve the quality of health information in Wikipedia articles. Our science communication specialist assisted participants with Spanish language edits.

The Story Within: A Primer for Uncovering and Sharing Your Personal Narrative

The center offered a two-hour storytelling workshop to the medical campus community in November 2023. This two-hour interactive workshop, facilitated by St. Louis-based Campfire, offered a primer for attendees to uncover and share personal narratives. Twenty-six members of the WU community attended. This workshop was provided in support of the second annual, In Our Words, storytelling event.

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).

Research Profiles

For FY2024, the Becker team:

- Increased the frequency with which new faculty and organizations are loaded into Research Profiles.

- Held several consultation sessions with campus stakeholders who are leveraging the RSS feeds from Research Profiles to present publishing activities on departmental websites.

- Provided support to WashU IT, Elsevier, and other campus stakeholders as teams investigate how best to leverage Research Profiles data in other university systems, such as Interfolio.

- Attended the North American Pure User Group (NAPUG) conference, making several helpful connections with the Elsevier team and colleagues at other institutions.

Indirect Cost Study

The Becker Medical Library administered the indirect cost study throughout FY2024, collecting quality point of use data across all major library systems with minimal disruption to our users.

Digital Exhibits: Platform and Collaboration

Though not yet deployed publicly, much has been learned over the past year as we have worked to understand how best to manage the open-source digital exhibit platform, Omeka-S. In collaboration with our Archives and Rare Books colleagues, several exhibit themes have been developed, new exhibits built, and select existing exhibits reimagined in the platform. We anticipate going public at the beginning of the calendar year.

Microsoft Power Platform

We have increased our use of the Microsoft Power Platform, leveraging Microsoft Teams as a centralized location to share internal processes. Working with stakeholders to develop forms and data storage methods that work for their use case, we are helping to improve how we request help from one another and tracking efforts.

Systems & Hardware: Updates and Upgrades

- Microsoft Azure: We have traditionally relied upon WUIT infrastructure for our internally developed and managed applications. This year we have begun deploying select applications on Microsoft Azure and finding benefits in the speed with which we can test and deploy.

- Aeon: Version upgrade

- EZproxy:Version upgrade

- ILLiad: Migration to new server & version upgrade

Public Computing
- Upgraded Public PCs

- Upgraded Research Pod PCs and iMacs

- Two new ultra-widescreen "extend your display" stations created

Software Licensing

Our team continues to serve a critical role in supporting Becker Library's Software Licensing Program. This past year has seen much enhanced collaboration with our Finance Office to improve related processes, along with migrating our communications efforts to Emma, the university's new email marketing platform.

Appendix A – Library Statistics and Finances

FY24 Collection Statistics

Electronic Journal Titles (current subscriptions) *	4,060
Purchased Electronic Book Titles	116,501
Print Book Titles	79,884
Database subscriptions	16
Streaming videos subscriptions	31,510
Rare Books & Journals	26,573
Archival Material (cubic feet)	3,252

*Previously reported as total number of accessible electronic journal titles

Health Information Services

Systematic & Scoping Reviews completed	141
Co-authorships on published reviews	36
Database searches completed	188
Information Services Desk inquiries	3,209
Librarian consults	115
One-on-one training sessions	54

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 2024, the total number of page views across all Becker Guides was 255,576. The following table lists the top 20 guides based on total views.

Guide Name	Views
Selecting a Journal for Publication	82,898
NIH Biosketch	33,472
Tools for Authors	27,787
Systematic Review Guide	26,338
Quantifying the Impact of My Publications	10,298
Scoping Review Guide	8,714
Mobile Medical Apps	6,675
Preprints	5,930
Community-Engaged Research	5,897
Research Impact	3,599
Qualitative Research	3,403
NIH Public Access Policy	3,087
Global Health Resources	2,709
Open Access	2,606
Anesthesiology Resources	2,446

Evidence Based Nursing		2,431
EndNote		2,424
Author Rights and Copyright		2,112
Evidence Based Emergency Medicine		1,745
Biostatistics Guide		1,741

Collection Use

	FY 23		FY 24		Percent Change	
	Unique items	**Uses**	**Unique items**	**Uses**	**Items**	**Use**
E-Journals	3,596	2,096,482	4,060	2,311,613	12.9%	10.2%
E-Books	98,140	124,099	116,501*	114,558	18.7%	-7.6%
Print books	1,239	1,799	1,028	1,451	-17.0%	-19.3%

*New Elsevier/Olin eBook packages included

Borrowers

	Check-outs Fiscal Year 2023	**Check-outs Fiscal Year 2024**
Students	791	892
Faculty/Staff	792	748
Residents/Fellows	230	262

Top Print Books Used in FY24 – No longer tracked.

Top 20 e-Books Used in FY24

Title	Uses
Johns Hopkins ABX Guide	1950
Robbins & Kumar Basic Pathology. (Eleventh Edition)	1731
Red Book: 2021-2024 Report of the Committee on Infectious Diseases	1060
Diagnostic and Statistical Manual of Mental Disorders	933
Cummings Otolaryngology (Seventh Edition)	858
Zollinger's Atlas of Surgical Operations 11e	793
Robbins & Cotran Pathologic Basis of Disease (Tenth Edition)	723
Morgan & Mikhail's Clinical Anesthesiology 7e	703
Pathophysiology of Heart Disease: An Introduction to Cardiovascular Medicine 7e	649
Goldfrank's Toxicologic Emergencies 11e	500
Tintinalli's Emergency Medicine: A Comprehensive Study Guide 9e	489
Netter Atlas of Human Anatomy: Classic Regional Approach (Eighth Edition)	476
Principles of Neural Science 6e	468
Diagnostic and Statistical Manual of Mental Disorders	458
Anesthesiologist's Manual of Surgical Procedures 6e	420

Harrison's Principles of Internal Medicine 21e	374
5-Minute Clinical Consult, Updating	331
Washington Manual of Medical Therapeutics	306
Rutherford's Vascular Surgery and Endovascular Therapy	262
Principles of Neural Science Fifth Edition	260
Costanzo Physiology (Seventh Edition)	247
Surgical Recall 9e	240
Miller's Anesthesia, 2-Volume Set (Ninth Edition)	239
Dermatology: 2-Volume Set (Fourth Edition)	230
Hinman's Atlas of Urologic Surgery Revised Reprint	215

Top 20 e-Journals Used in FY24

Title	Publisher	Uses
Nature	Nature Publishing Group	138,699
Science	American Association for the Advancement of Science	73,590
PNAS	National Academy of Sciences	66,245
NEJM	New England Journal of Medicine	63,233
Cell	Elsevier	42,067
JAMA	American Medical Association	32,409
Neuron	Elsevier	24,866
Nature Neuroscience	Nature Publishing Group	23,784
Journal of Visual Experiments	JOVE	22,675
Nature Methods	Nature Publishing Group	20,258
Nature Immunology	Nature Publishing Group	20,237
Journal of the American Chemical Society	American Chemical Society	17,815
Nature Medicine	Nature Publishing Group	17,617
Immunity	Elsevier	17,310
Nature Genetics	Nature Publishing Group	17,003
Nature Biotechnology	Nature Publishing Group	16,903
Journal of Immunology		13,827
The Lancet	Elsevier	13,221
Science Translational Medicine	American Association for the Advancement of Science	12,958
RadioGraphics	Radiological Society of North America	12,829

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.

	FY24	FY23	FY22	FY21	FY20
Total ILL requests	5,026	5,410	5,621	6,580	7,549

ILL requests from other libraries	2,664
Article requests for WashU patrons	438
Becker requests from other libraries	1,924

Journal Titles Most Requested from other Libraries

Journal Name	Number of requests
Occupational Therapy	14
Revue International du Trachome	14
Advances in Oto-Rhino-Laryngology	12
Ophthalmic Surgery	11
Advances in Neurology	10
Journal of Cardiac Surgery	9
American Journal of Ophthalmology	8
Journal of Clinical Nursing	8
Seminars in Hearing	8
Applied Neuropsychology: Adult	7
Clinical Laboratory	7

Financial Information

FY24 Income and Expenses	Amount
Income	**$348,689**
Expenses	
Salaries and benefits	$3,421,783
Collection expenses	$4,993,303
Operating expenses	$623,570
Total expenses	**$9,038,656**

FY23 Appendix B – Staff Professional Activities

Publications

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: A Cancer J Clin 2023 Sep-Oct;73(5):524-545

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Harris, Michael D.; Shepherd, Molly C.; Gaffney, Brecca M. M.; Song, Ke; Hillen, Travis J.; Harris-Hayes, Marcie; Clohisy, John C.; **Kim, Seonyoung** (2024), "Geometry and Function of Dysplastic and Healthy Hips", Digital Commons Data@Becker, V2, doi: 10.17632/y7z7978hgy.2

Conference Presentations

Simon L. Research Profiles at Washington University School of Medicine. St. Louis Regional Library Network Tech Expo. 2024 Mar 6.

Kim S. The DMPTool NIH DMSP Templates Project. Research Data Access and Preservation Annual Meeting Virtual Poster Session. 2024 March 14.

Bischof I, Wolf B, **Simon L**, Hota R. Secret Sauce: What made the portal visitor numbers grow? North America Pure Users Group Meeting. 2024 Apr 8.

Zulauf M, **Simon L**. Pure - Growing Impact and Reach. North America Pure Users Group Meeting. 2024 Apr 8.

Invited Presentations

Glenn J, Mathews B, **Simon L**, Zulauf, M. Lessons learned from implementing research information management systems (RIMS) in the US. OCLC Research Library Partners Works in Progress Webinars. 2024 Feb 29.

Kim S. How to select a data repository for your data type. FASEB DataWorks! Salon. 2024 March 20.

Professional Service

Biochemical Pharmacology – Peer Reviewer – **Xing Jian**

Cellular and Molecular Life Sciences – Peer Reviewer – **Xing Jian**

Israel Journal of Chemistry – Peer Reviewer – **Xing Jian**

Biochemical Genetics – Editorial Board Member – **Xing Jian**

Saint Louis Medical Librarians – President Elect – **Amy Suiter**

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

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

DMPTool NIH Data Management and Sharing Plan Templates Working Group Member – **Seonyoung Kim**

NIH Open Letter Working Group Member – **Seonyoung Kim**

Appendix C – Departmental Staff Listing

Library Director

  Paul Schoening   *Associate Dean and Director*

Library Administration

Isabelle Smith	*Manager, Financial Operations*
Cherrelle Brooks	*Accountant II*
Katherine Cadigan	*Financial Analyst II*

Archives and Rare Books

Elisabeth Brander	*Head, Rare Books; Director of the Center for the History of Medicine*
Angela He	*Rare Books Librarian*
Stephen Logsdon	*Head, Archives*
Sarah Bush	*Processing Archivist*
Bree Jennrich	*Digital Records Archivist*
Philip Skroska	*Visual and Graphic Archivist*
Laura Weis	*Project Archivist (contracted)*

Circulation

Angie Rosengarten	*Information Desk Supervisor*
Adam Pesek	*Library Assistant*
Nathaniel Potts	*Library Assistant*
Connor Quigley	*Library Assistant*
Mateus Vieira	*Library Assistant*
Alex Williford	*Library Assistant*

Research Services

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

Health Information Services & Collection Management

Deborah Thomas	*Associate Director, Health Information and Collection Management Services*
Michelle Doering	*Clinical Librarian*
Emily Gallaher	*Clinical Librarian*
Anise Gilliam	*Serials Assistant*
Denise Hannibal	*Acquisitions Librarian*
Angela Hardi	*Clinical Librarian*
Kim Lipsey	*Clinical Librarian*
Barb Mathieu	*Library Associate*
Anna Vani	*Catalog Librarian*
Lauren Yaeger	*Clinical Librarian*

Health and Science Communication

| Mychal Voorhees | *Senior Health Communication Specialist* |
| Monica Sala-Rabanal | *Communication Specialist II* |

Library Technology Services

Robert Altman	*Head, Library Technology Services*
Debbie Cribbs	*Web Developer*
Lucas Steinbeck	*Technology Support Analyst II*

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

The tools that supercharge open-source scientific software
Timothy Holy, PhD. The Alan A. and Edith L. Wolff Professor of Neuroscience, Washington University School of Medicine
Moore Auditorium, North Building, Washington University School of Medicine
Oct. 11, 2023

Expanding public access: Perspectives from NIH, NSF and NASA
Jessica Tucker, PhD. Acting Deputy Director, Office of Science Policy, NIH
Martin Halbert, PhD. Program Director for Public Access, NSF
Patricia Knezek, PhD. Program Scientist, NASA
Virtual
Oct. 19, 2023

ORCID iD: What it is and how it can help you
Brittney Sandler, MLIS. Research Support Librarian, Bernard Becker Medical Library, Washington University School of Medicine
Virtual
October 23, 2023

Love Data Week (February 12-16, 2024)

Know Your Data Types: What Is My Kind of Data?
Seonyoung Kim, PhD. Senior Support Scientist, Data Management and Sharing, Bernard Becker Medical Library
Virtual
Feb. 12, 2024

Ethical Research Data: The Feminist Principle of Examining Power in the Context of Big Data and AI
Lauren F. Klein, PhD. Winship Distinguished Research Professor, Associate Professor Quantitative Theory & Methods and English, Emory University
Virtual
Feb 13, 2024

How To Select a Repository for Your Data
Seonyoung Kim, PhD. Senior Support Scientist, Data Management and Sharing, Bernard Becker Medical Library
Sarah Swanz, Humanities Data Curator/Data Services Librarian, University Libraries

Virtual
Feb 15, 2024

Research Data Stories: Unique Challenges and Common Goals Working With Data Across Biomedical Disciplines
Abby Cheng, MD. Assistant Professor, Orthopedic Surgery, Washington University School of Medicine
Malachi Griffith, PhD. Associate Professor, Oncology, Washington University School of Medicine
Alexxai Kravitz, PhD. Associate Professor, Psychiatry, Washington University School of Medicine
Moore Auditorium, North Building, Washington University School of Medicine
Feb 16, 2024

In Our Words: Finding Meaning

On Wednesday, April 10, 2024, over 75 people from Washington University attended this special event at the Third Degree Glass Factory. This community gathered to connect and find meaning through their diverse experiences of personal growth, insight, wisdom and vulnerability. This annual event is co-sponsored by the Office of Medical Education and Becker Library. Stories and artwork can be found on Becker Library's Digital Commons: https://digitalcommons.wustl.edu/iow_event/. Information about the event can be found at: https://InOurWords.wustl.edu/.

#SciComm Seminars

A Writer's Journey: University Communicator to Journalist and Back Again
Chris Woolston, MS. Research Writer for Arts & Sciences at Washington University
Sep 14, 2023

Forging Relationships with K-12 Schools: The Power of Listening First
Victoria May. Executive Director of the Institute for School Partnership at Washington University
Feb 22, 2024

Save Your Poster, Save the World
Zen Faulkes, PhD. Author of Better Posters
Apr 11, 2024

SciComm Journal Club

Misinformation in and about science
Jevin D. West, Carl T. Bergstrom. PNAS, April 9, 2021, 118 (15) e1912444117
Facilitated by Monica Sala-Rabanal, PhD. Becker Medical Library, Washington University School of Medicine
November 1, 2023

How the Design of Presentation Slides Affects Audience Comprehension: A Case for the Assertion–Evidence Approach

Joanna K. Garner, Michael P. Alley. International Journal of Engineering Education, Vol. 29, No. 6, pp. 156401579, 2013.
Facilitated by Clarice Pavlak, Graduate Student, Division of Biology and Biomedical Sciences, Washington University
Mar 20, 2024

Avoiding Ableist Language: Suggestions for Autism Researchers
Kristen Bottema-Beutel, Steven K. Kapp, Jessica Nina Lester, Noah J. Sasson, and Brittany N. Hand. Autism in Adulthood. Vol. 3, No. 1. March 18, 2021.
Facilitated by Sneha Chaturvedi, Graduate Student, Division of Biology and Biomedical Sciences, Washington University
May 15, 2024

Health and Science Communication Workshops

The Story Within: A Primer for Uncovering and Sharing Your Personal Narrative
Facilitated by St. Louis-based *Campfire*
Nov 15, 2023

Historia Medica Lectures
Presented in partnership with the Center for the History of Medicine

86th Historia Medica Lecture
Negotiating Normalcy: Deafness Cures in American History
Jaipreet Virdi, PhD. Associate Professor, Department of History, University of Delaware
Becker Library, Kenton King Center
Sept. 26, 2023

87th Historia Medica Lecture
Techniques and Aims of Isaac Newton's Alchemy
William Newman
Olin Library, Ginkgo Reading Room
Nov 8, 2023

Other Events

Doctors & Distillers with Camper English
Camper English, Cocktails and spirits writer. Author of "Doctors and Distillers."
Virtual
Jul 18, 2023

Historical Cocktail Event
Cocktails provided by Matt Sorrell, Cocktails Are Go!
Becker Library, Center for the History of Medicine
Jul 20, 2023

Annual Display of Rare Anatomical Texts
Becker Library, Kenton King Center
Nov 3, 2023

Glaser Gallery and Other Exhibits

Long shalt thou live, if these well be done: Food, Drink and Health
Becker Library, Glaser Gallery
Jul 2023 – Oct 2023

Secret Sciences: The Hidden Arts of Alchemy
Olin Library, Ginkgo Reading Room
Sep 30, 2023 – Jan 21, 2024

In the Company of Greatness: Washington University's Nobel Laureates and their extraordinary colleagues
Becker Library, Glaser Gallery
Nov 2023 – Feb 2024

The Novel Nineteenth Century: Trends, Treatments, and Technologies in Nineteenth Century American Medicine
Becker Library, Glaser Gallery
Mar 2024 – Sep 2024