

# Bernard Becker Medical Library

Annual Report – Fiscal Year 2020

Supplement and Appendices

October 5, 2020

## About the 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 all of our faculty, staff and students accomplish their goals. We seek opportunities to assist people by giving them the tools, information, training and connections to enable, improve or 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 and Rare Books

The Archives and Rare Books Division serves as the historical repository 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 Division also maintains a collection of rare medical texts devoted to scholarship and teaching featuring over 23,000 volumes 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 collections, the Division hosts a variety of outreach events throughout the year to foster interest in the history of medicine including monthly open houses, quarterly exhibitions, and a lecture series.

In December 2019, Becker Library released a new archives database to help users explore and discover the archival collections. Migrating to the Access to Memory (AtoM) platform was a massive undertaking that required extensive effort from multiple staff members for more than a year. 151,023 archival description records, 18,714 digital objects, 1,692 accession records, and 4,834 authority records were transferred into the new Becker Archives Database.

Major improvements include:

- Integrating digital images into the main archival records
- Conforming to international archival description standards, thus allowing users to fine-tune search results
- Making database records discoverable via Google search, including all 18,714 digital images

The division acquired an exceptional new collection of rare medical texts, generously donated by Patricia Croughan. The collection was assembled by her late husband, Jack Croughan, MD, a former chief resident and assistant professor in the School of Medicine's Department of Psychiatry. It is an outstanding addition to the library's existing holdings. The collection focuses primarily on the history of psychiatry and includes more than five hundred monographs dating from the 1500s to the 20th century.

The 2019-20 Historia Medica lecture series featured four well-attended presentations. Lecturers included Anita Guerrini of Oregon State University, Christina Ramos and Elisabeth Brander of Washington University, and local St. Louis author Candace O'Connor.

The Fall 2019 Becker Library Travel Scholarship went to Gina Surita, a doctoral student in the history of science program at Princeton University. She spent five days in October researching the Carl Cori and Gerty Cori archival collections in preparation for her dissertation, "The Currency of the Cell: Energy, Metabolism, and Life in Twentieth-Century Biochemistry."

To provide more robust and cost-effective storage of the library's digital content, the division worked with the library's technology team to migrate all of Becker Library's digital archives (10 TB of data) to the university's new Research Infrastructure Services (RIS) platform. Key improvements include vastly

increased storage space, low cost and secure access, which will all help the library preserve the university's ever-growing digital assets of enduring historical value.

A significant upgrade to the archives and rare books environmental control system was completed in February 2020. The new system provides more stable temperature and humidity ranges necessary for optimal protection of Becker Library's special collections.

## Collection Management

The Collection Management Division secures and provides access to electronic and printed resources, proactively and in response to the evolving needs of faculty and students. In doing so it investigates sources and negotiates and purchases subscriptions to books and journals; creates and edits bibliographic information in the library's catalog so resources are easily discoverable; and provides interlibrary loan and document delivery services so that patrons can conveniently obtain resources from Becker Library and libraries at other institutions.

Fulfilling a component of its strategic plan, Becker Library's Collection Management Division successfully migrated the library to the Sierra catalog system used by other Washington University libraries. Patrons can now search all Washington University libraries' holding records from one online catalog, rather than two separate catalogs. This project was done in close collaboration with Olin Library and consumed most of the second half of the year.

Purchased 1,117 new electronic books and acquired more 248 print books; 26 books and eBooks filled Suggestions to Purchase. Maintained access to 22,339 electronic books and 10,713 electronic journals (2,348 are current journal subscriptions). Purchased 84 books this year for the Health and Wellness Center, and moved 3 previously purchased items from the general collection into the Health and Wellness Center.

Updated the Iliad interlibrary loan system to accommodate changes in Docline.

Working with a Washington University faculty member, Becker Library brokered a deal where Elsevier, at its expense, would digitize the entire run of the Journal of Thoracic Surgery (1931-1959) with the permission of The American Association for Thoracic Surgery. Becker Library provided all 37 volumes from its remaining print journal collection, as well as 10 selected volumes of the Journal of Thoracic and Cardiovascular Surgery to complete that title's content. As part of the deal, Elsevier promised to make all the digitized content freely available online. All volumes will be returned to Becker Library upon completion of the project.

## Data & Research Computing

The Data and Research Computing Division 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 group provides introductory training in biomedical research computing (R, Python, cluster computing, MATLAB), delivers educational offerings and programs in the areas of data management and data sharing, and supports awareness, access, and education on a variety of software tools for biomedical data analysis and visualization. The division has strong partnerships with the Center for High

Performance Computing, Institute for Informatics, University Libraries and the Research Infrastructure Services group within Washington University Information Technology, accelerating progress on strategic initiatives shared across these groups. In particular, these synergistic relationships help the university maximize return on institutional investments in research computing and data management and sharing in response to the evolving needs of biomedical researchers.

#### Providing Education and Support in Research Computing

Basic programming skills are becoming increasingly necessary for biomedical research. In response, Becker Library continues to partner with the Center for High Performance Computing and the Institute for Informatics to organize and teach hands-on workshops on an array of R and Python topics. Becker Library also began collaborations with Washington University Libraries on similar programming this year. Workshop attendees included faculty, staff, students, and trainees from several school of medicine departments, with 733 in total across the 18 workshops offered during the fiscal year.

#### Supporting Access to Research Tools and Facilitating Education

Becker Library continues to organize free seminars and hands-on workshops in support of our site licensed software. In FY20, Becker Library organized seven seminars and hands-on workshops on popular software tools used for genomic data analysis and structural biology applications. Topics for seminars and hands-on workshops were chosen based on researcher interests, with 269 faculty, staff, students, and trainees in attendance at the training events.

In response to several researcher requests, Becker Library has been working with the WashU IT software licensing group to investigate university licensing of BioRender, a software tool for making professional science figures and graphics. The team is currently in the implementation phase and plans to finalize licensing in early FY21. This tool will add to the software licensing group's existing catalog of software, and will complement Becker Library's suite of eight site licensed tools, which provide discounted licenses to 210 labs and to 2,080 individuals. This developing partnership between Becker Library and WashU IT increases efficiencies in campus software licensing efforts and provides more opportunities for researcher cost savings across the university.

#### Providing Education and Support in Data Management and Sharing

In FY20, Becker Library was able to offer an entirely new area of training and services as a result of hiring a new senior support scientist in partnership with the Institute for Informatics at the end of the previous year. Multiple researchers have already received assistance with sharing their results in various data repositories.

The division provided special programming on data management and sharing as part of Becker Library's Open October series of events, the Office of the Vice Chancellor for Research's Researcher Forum, and the Bioethics Research Center's responsible conduct of research curriculum, signaling high interest in and need for education and support in these areas.

#### Supporting REDCap Use on Campus Through Education and Consultation Services

In FY20, Becker Library began teaching a series of workshops on Research Electronic Data Capture (REDCap) – a secure, web-based application for building and managing online databases and surveys that is commonly used in clinical research – that were developed in collaboration with the Institute for

Informatics. During the fiscal year, 24 REDCap workshops were attended by 622 faculty, staff, students, and trainees. REDCap trainings were extremely popular and consultation services saw steady demand.

#### Love Data Week

In partnership with Washington University Libraries, Becker Library organized and taught a series of workshops on topics related to data management, data analysis, and data visualization, in celebration of Love Data Week from Feb. 10-14, 2020. Workshop topics included REDCap, R, Python and Tableau. Xiao-Li Meng, professor of statistics at Harvard University and editor-in-chief of the Harvard Data Science Review, brought the week to a close with a captivating talk on data science. This collaborative programming further strengthened ties between Becker Library and Washington University Libraries and highlighted library programming and services in the areas of data management and sharing and research computing.

## Health Information Services

The Health Information Services division supports patient care and clinical research by providing critical information-finding services.

Librarians are active participants in clinical rounding at partner hospitals, are a trusted resource in evidence-based medicine, provide assistance with database searching, and systematic review services and support, and currently provide instruction within the medical, public health, physical therapy and occupational therapy programs. The division also operates the library's information services desk.

Responding to student evaluations of the Practice of Medicine, HIS designed the EBM session as a flipped classroom experience with the use of mandatory pre-class videos leaving more time for in-class hands-on group activities.

As part of the new occupational therapy curriculum, an HIS librarian created an instructional session for all first-year students for the course Using Evidence to Inform Practice. Employing a hands-on approach, the session prepares students to complete systematic reviews of the literature to answer clinical occupation-centered questions.

The Becker library liaison to the Global Health Pathway in Internal Medicine and Infectious Diseases provides yearly didactic sessions to medical students and residents on finding global health statistics, using databases for literature searches, and preparing an information toolkit prior to working abroad. As a result of this continued partnership, active since 2014, a Global Health information portal was created. More recently a library-wide effort culminated in a heavily accessed COVID-19 information portal.

As a part of efforts to understand what Division of Biology & Biomedical Sciences (DBBS) students need from Becker library, a student focus group was facilitated. The focus group comments resulted in a revised DBBS information portal with more emphasis on statistical resources and grant writing. The students also mentioned not knowing about all of the library resources, so a library overview is now provided at new student orientation.

In the interest of sharing our experiences with other librarians and educators, HIS collaborated with the Office of Medical Student Education to publish a paper describing curriculum improvements over a

three- year period for the Practice of Medicine EBM session. [“Providing information-seeking skills feedback within a medical school curriculum: a partnership between librarians and education specialists.” Med Ref Serv Quart, 2020; 39 (1 ) 27-34. ]

HIS staff adopted new virtual technologies to facilitate several group or one-on-one instructional sessions for PubMed and EndNote training.

Participated in teaching rounds at both Barnes-Jewish Hospital and St. Louis Children’s Hospital providing real-time answers to clinical queries. New this year – librarians joined the Infectious Disease rounding teams that was part of an IRB-approved pilot study looking at increased use of evidence-based resources with or without a librarian on rounds. This study is to be continued.

## Research, Publishing, and Communication

Becker Library’s Research, Publishing and Communication (RPC) Division provides a wide variety of customized programs, services and expertise to assist faculty, investigators and students in navigating a complex and ever-changing research publishing and biomedical communication landscape. The division’s activities currently span four broad areas of services and programs:

- Assistance to authors and researchers - covering a wide range of issues including publishing and dissemination options, public access mandates, copyright, author rights, assessment of research impact, and dissemination of research findings. `
- Health and scientific communication programs - to assist research and clinical faculty, staff and students with making written materials easier to understand and help them better address the broader impact of literacy, culture and language in the health care and research communication setting through customized education programs and consultations.
- Consumer health librarian services – providing information services, collection management, and community outreach to St. Louis Children’s Hospital in support of the SLCH Center for Families Resource Library.
- Technology support and web development services - to coordinate and ensure onsite and remote user access to online library resources along with creating custom applications and web resources for the library.

The division also has an established partnership with the Institute for Clinical and Translational Science (ICTS) on several major projects and programs.

FY20 accomplishments and activities in each area are described below along with special activities provided in support of Washington University’s COVID-19 response.

### Assistance to authors

This core service area for our division is utilized by virtually every user group on campus - faculty members (on both campuses), administrative staff, post-docs, early career investigators, clinicians, and graduate and medical students. To meet the diverse needs of the campus community, the library has provided guidance and designed programs and services on a wide variety of topics including:

- Copyright - publication copyright transfer agreements; 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.

- Selecting an appropriate license for publication.
- Obtaining DOIs
- Authorship roles
- Correction of names in databases and publications.

To consolidate most of the information resources identified by our librarians, a Tools for Authors reference guide continues to be updated and expanded and received over 22,003 views for FY20, a 170% increase from the previous year. A trend noted over the past several years is users seeking guidance on selecting a journal for publication. Our support for journal publication options continues and now includes guidance for identifying credible conferences. Becker Library's Selecting a Journal for Publication guide had 29,894 views for FY20, a 58% increase from the previous year.

### Presentations

We continued to see a strong interest in providing presentations and invited talks on topics related to research and scholarly publishing including the NIH Public Access Policy, NIH Biosketch and SciENcv, ORCID, My Bibliography, selecting a journal for publication, grant preparation resources, and NCBI Tools. These presentations continue to be in great demand and have been attended by over 200 faculty, staff and students during the past year. Individual sessions include:

- General Audience. The New My Bibliography September 18, 2019.
- Pediatric Research. What You Need to Know Wednesdays - NIH Public Access Policy. October 9, 2019.
- General Audience. NIH Public Access Policy. October 17, 2019.
- CRTC Research Administrators - NIH Biosketch. November 4, 2019.
- General Audience. NCBI Tools: PubMed and My Bibliography. November 6, 2019.
- Department of Surgery, T32 Presentation: Your Questions Answered: Library Support for Searching the Literature and Publishing. November 14, 2019.
- General Audience. NIH Biosketch and NCBI SciENcv. November 15, 2019.
- Brown School. NIH Public Access Policy. November 25, 2019.
- Hematology/Oncology Fellows - NIH Biosketch, My Bibliography, and SciENcv. December 11, 2020; follow-up Zoom call April 17, 2020.
- OVCR Researcher Forum. NCBI SciENcv for NIH or NSF Biosketches. January 8, 2020.
- Population Health Sciences students. Communicating Beyond the Journal Article. January 9, 2020.
- Rehabilitation and Participation Science Students, NIH Biosketch/My Bibliography, February 17, 2020.
- Applied Epidemiology students. NIH Biosketch/My Bibliography. February 18, 2020.
- Rheumatology Clinical Didactics: 2Y. Publishing and Disseminating: Selecting a Journal. February 20, 2020.
- Radiology. NIH Public Access Policy. March 2, 2020.

### "Open October" Series

In the fall of 2019 the RPC division led the planning and coordination of “Open October”, a month-long series highlighting trends in open science, open data and open access. Presented by Bernard Becker Medical Library in collaboration with Washington University Libraries, Open October featured nine presentations by librarians from both campuses on topics including – ORCID, data management planning, public access mandates, Wikipedia editing for medical topics, critical appraisal of scientific literature, data sharing, and open access publishing. The series culminated in a keynote address by Kathryn Funk from the National Library of Medicine whose talk “After the Big Bang: The Expanding Universe of “Open” in Scholarly Communication” was attended by over 80 faculty, staff and students.

In addition to these ongoing services and education programs, other significant highlights related to author support from this past year include:

#### NIH Public Access Policy (NIH PAP)

Becker Library and the Office of the Vice Chancellor for Research continued to work together to promote and assist with NIH PAP compliance. Answering questions and providing support for the NIH Public Access Policy continues to be an active area of support since the service was launched in 2006. During the campus closure of April-May, this was an area where we saw a marked increase in the number of requests for assistance from faculty as the availability of administrative support was reduced. Over 120 emails related to the NIH Policy were responded to by our librarians, and four Zoom sessions were held to provide further assistance.

To date, Becker Library has submitted 368 articles to NIHMS on behalf of NIH-funded authors. With the support of the services provided by Becker Library, Washington University in St. Louis now has a 94% compliance rate with the NIH Public Access Policy for the time period 2008 to current (26,783 articles).

Over the past several years, support programs have been expanded to include the NIH Biosketch and NCBI tools such as My Bibliography and SciENcv. These new initiatives have been very well received with Becker Library’s NIH Biosketch resource guide receiving 22,119 views for the fiscal year. Since 2006, our librarians have also provided ongoing support to the NIH by reviewing draft program notices related to the NIH Public Access Policy; providing feedback on website redesign; testing a new NIH Manuscript Submission system; among other activities.

#### Digital Commons@Becker

The digital repository for School of Medicine scholarly outputs continues to feature a wide variety of content and media types from across the campus. During the past year, 356,005 items were downloaded from Digital Commons@Becker making the total number of items downloaded since its launch in 2010 approximately 1.3 million.

#### Most used collections of FY20

1. Washington University Open Access Publications – 225,581 Downloads
2. Institute of Clinical and Translational Sciences – 148,677 Downloads
3. Becker Library Archival Collections – 52,182 Downloads

#### ORCID

In October 2019 and January 2020 NIH began requiring ORCID IDs for many of their grant applicants per Notice NOT-OD-19-109. In response to the NIH requirement, Becker Library conducted extensive outreach to the Washington University campus on how to obtain an ORCID ID. This outreach included table information tents, door hangers, and blog posts. Our ORCID Resource Guide was also updated with the most current information on ORCID and received 421 views for this fiscal year. Two flash presentations on ORCID and how to obtain an ORCID ID, were conducted in October 2019 at the School of Medicine and Danforth campuses.

#### Research Analytics & Impact Evaluation

Analytics and evaluation support is a service area that continues to grow in scope and depth as the needs of our faculty to better quantify and demonstrate the impact of their research and scholarly outputs evolve. Guidance and reports are provided for individuals, groups or divisions through a variety of methods offered by our team and are summarized below.

##### *Impact and Evaluation Reports*

The depth and variety of evaluation report requests from departments and faculty continued to demonstrate how users are leveraging our group's expertise to document and summarize the impact of the school's research outputs. The past year also showed a growing interest in the visualization of research impact. In addition to reports, graphs, and tables we also provided visual networks, graphs, and tables such as co-author network or choropleth geographic maps that display the top authors in a specific field, co-author network maps that display collaboration among authors; and word clouds that display topics to demonstrate trends or areas of expertise.

Confirming acknowledgement of grant support was another area driving the demand for publication reports this fiscal year. These reports were used for a variety of purposes including grant applications and renewals; progress reports; departmental reports; information for departmental websites; recruiting; and promotion and tenure.

##### *Exploratory Tableau Dashboards Pilot*

In addition to our current reporting services, a new project provided an opportunity to extend the types of reports we are able to provide our users. In early 2020, The Hemostasis and Oxygenation Research Network group (THOR) requested assistance in a project to demonstrate the impact of publications from their annual conferences, covering a six year period. To help visualize the impact of the THOR publications, our librarians created Tableau Dashboards using publication and citation data, and data from conference registrants. Six Tableau Dashboards were created including a direct citation network analysis, attendee numbers by year and country, and journal subject areas. The project is still ongoing but has provided the groundwork for offering enhanced and more interactive report capabilities for other groups going forward.

#### Health & Science Communication

As in past years, as more faculty, staff, and students become aware of the library's health and science communication programs, we see a steady increase in requests for assistance and a greater diversity of projects as users look to ensure that good practices in health literacy and clear communication are incorporated into their patient care and research activities. Overall, the library's health communication

specialist engaged in over 20 requests for assistance with consulting and reviewing both clinical and research-related materials. Approximately 12 departments, centers, and students groups were served this past year.

Other notable activities and projects this fiscal year include:

#### *Brachial Plexus Injury Journey Guide*

Using interview data from current and former clinic patients, our health communication specialist worked with orthopedic surgery faculty to create an educational tool to help new patients understand what to expect during their treatment for BPI and how BPI may affect multiple aspects of their lives. This project spanned most of the past year with the review of more than 200 pages of interview coding data to assist with development of the guide and is now under review by former patients before final publication.

#### *Presentations on Health Communication Topics*

As in past years, presentations on health literacy and health communication topics continued to be in popular demand. Our health communication specialist spoke to over 500 attendees as both an invited speaker and curriculum lecturer on topics including plain language, health literacy, promoting your work beyond the journal article, and communication in the consent process.

#### *Feuerstein Health & Wellness Information Center*

An ongoing major initiative in the library's support for health communication is the Irwin M. and Laura J. Feuerstein Health & Wellness Information Center which entered its second year as a campus resource for the Washington University community. The center provides access to printed and electronic health information and promotes programs and campus events on wellness and healthy living to benefit our staff, students and faculty.

This past year the collection was increased to over 240 items in response to health and wellness topics of interest to the WashU community. The center also continued to feature rotating displays of materials on specific topics which this past year included coping with transitions, healthy practices for the new year, and stress reduction. The scope of the center's collection was also expanded at the end of this fiscal year with the addition of a set of books focusing on diversity and equity.

In a year shortened by pandemic-related campus closures, the center's collection still recorded over 300 circulated items through checkouts, renewals and in-house uses. In collaboration with the WashU Wellness Connection program, a presentation to over 30 of the university's "Wellness Champions" was also organized to promote the center as a campus resource.

#### *Web & Technology Services*

During the past year, the library's web and technology services team was tasked with several major projects along with a wide variety of other smaller projects to support the staff and users of the library.

#### *Research Profiles at Washington University School of Medicine*

As an integral part of the Research Profiles project, the library's technology team provided ongoing backend support for the platform and served as the lead on integrating internal and external data

sources, making customizations to the backend, troubleshooting performance issues, and serving as the university's technical liaison to the platform vendor.

#### *Sierra Migration*

Working with Collection Management division, the technology team provided technical assistance, troubleshooting, and customizations for the merging of Becker Library's catalog into the main university library system, Sierra.

#### *Indirect Cost Allocation Study and Survey*

The library played a central role in developing the backend applications and scripts needed to conduct a survey and analysis of electronic resource usage by university researchers and clinicians. The survey was conducted at scheduled intervals during the entire fiscal year. The Becker team also provided guidance and expertise to assist Olin Library technical staff in implementing and conducting the same survey on the Danforth campus.

#### *Migration of Archival Collections and Applications*

Two significant technical projects this past year included:

- Migration to a new web-based, open source application (AtoM) for standards-based archival description and access.
- Migration of all archival digital image files to the university's new Research Infrastructure System (RIS) to provide more robust and cost-effective storage of the library's digital content.

#### *Partnership with Washington University Institute of Clinical and Translational Sciences (ICTS)*

The Becker RPC division continued to strengthen its collaborative partnership with ICTS through several significant projects and major initiatives this fiscal year.

#### *Research Profiles at Washington University School of Medicine*

With continued funding from ICTS, Office of the Dean, and SOM departments, Becker Library continued to lead further development and support of the Research Profiles at Washington University School of Medicine platform as the project entered its second year. Significant enhancements put in place by the Becker support team during the past year include:

- Instructors were added to Research Profiles bringing the total number of SOM faculty profiles to 2,500.
- A research support librarian position was added to provide direct support for faculty, gather feedback from faculty and administration and work with the vendor on system enhancements and data quality management.
- Lab website links and ORCID IDs began to be included in faculty profiles and, where information could be verified, were added by the Becker Library support team.
- For clinical faculty, the "Areas of Clinical Interest" section from the WUPhysicians Directory listing were integrated into profiles along with a link to direct visitors looking for practice information.

- By popular request, a new Research Profile Change Request form was created to easily submit requests for additions or changes for items such as photos, lab website links, name changes, research or clinical interests, and corrections to publication information.
- Selected NIH award information was added as part of the researcher profile record.

With the addition in spring 2020 of a dedicated research support librarian to the Research Profiles project, the response to faculty requests for changes and updates was significantly enhanced. Between April and June alone, over 100 changes and updates at the request of faculty were carried out usually within the same day of the request.

We have also been able to respond more efficiently to requests from campus groups looking to leverage Research Profiles for other uses. During the last quarter of FY20, five different departments have already contacted the support team to explore potential collaborations and projects involving Research Profiles. The team has also been able to accelerate the addition of additional enhancements to faculty profiles including links to lab websites and ORCID ids.

To date, Research Profiles has received over 76,000 visitors across 186 countries.

#### *Translational Science Benefits Model (TSBM)*

The Translational Science Benefits Model (TSBM), a framework for assessing the health and societal benefits of clinical and translational sciences, was launched in January 2019.

<https://translationalsciencebenefits.wustl.edu/>. Becker librarians, as members of the ICTS Tracking and Evaluation Team, served as the lead for development of case studies used to provide a contextual narrative to illustrate the TSBM. Three new case studies were developed in conjunction with the website launch, with three additional case studies added as of June 2020. Other case studies are in progress as well as templates and guidance for case studies.

Other activities as part of the Tracking and Evaluation Team included:

- Generating publication reports and citation analysis on 2,700 ICTS members in support of progress reports and renewal applications.

#### *#SciComm Seminars*

The library's partnership with the Institute of Clinical and Translational Sciences (ICTS) continued for a third academic year in co-hosting this monthly series on the importance of effectively communicating science and research and exploring its many forms.

Although the series was abbreviated this year due to the pandemic, five sessions were held on science communication topics that included community outreach, graphic medicine, podcasting, communicating with parents, and popular media. The series continues to be a popular event with approximately 120 faculty, staff and students having attended one or more of these sessions during FY20.

#### *Consumer health librarian services*

Becker Library continued its longstanding partnership with the St. Louis Children's Hospital in providing consumer health librarian services to the Center for Families (CFF) Resource Library. Working alongside SLCH nursing professionals, our consumer health librarian provided health information services,

prepared and delivered education materials to patients and their families, and represented Becker Library and the Center for Families in community outreach events. Highlights from the past year include:

- Over 1,300 requests for information were received and processed by the consumer health librarian for SLCH patients and families.
- Information delivery methods were enhanced to include direct upload to the EHR.
- Working with the SLCH Language Services manager, the CFF Resource Library collection of foreign language materials was expanded.
- Continued updating of the Becker Library resource guide to Consumer Health Information (2,100 views in FY20) and continuing collaboration with our health communication specialist in developing the collection for the Feuerstein Health & Wellness Information Center.

#### COVID-19 Related Activities

The RPC division made significant contributions as part of Washington University's response to the coronavirus pandemic this spring:

- To support the transition to distance-learning for all students on the medical campus, RPC librarians identified and collected, on behalf of the Office of Education, recommended practices for creating persistent links for library-subscribed resources.
- Our health communication specialist reviewed and edited coronavirus gating documents on behalf of the St. Louis Return to Sports Task Force - <https://www.mercy.net/newsroom/2020-05-19/st--louis-health-care-systems-collaborate-to-offer-guidance-for-/>
- In collaboration with the Institute of Clinical and Translational Sciences (ICTS), the Research Profiles support librarian created a group of SOM COVID-19 researchers who were then tagged and organized together as a "research pool" for easier discovery by the research community and to help promote greater collaboration during the pandemic.
- To facilitate remote access to online library resources during the pandemic, the technology team reconfigured proxy access so that any user with a WUSTL Key could access materials without needing a subscription to the service. The technology team also coordinated the transition of staff computing needs from onsite to work from home during the campus closure.
- The consumer health librarian helped create new teaching tools "COVID-19 Resources for Families" and "Talking to Your Kids About Racism & Social Unrest" for use at SLCH.
- In response to the heightened interest in "preprints" as a source of the most current research on COVID-19, RPC librarians created a Preprints resource guide to help our researchers be better informed on guidelines for publishing preprints and providing information on available preprint servers for locating and posting the most current research findings

## Appendix A – Library Statistics and Finances

### Collection Statistics

Electronic Journal Titles	10,713
Total Number of Print Journal Titles	1,318
Electronic Book Titles	75,669
Circulating Print TITLES (journals and books)	80,517
Paid Electronic Database Subscriptions	22
Audiovisual Items (CD, DVD etc.)	1,539
Rare Book Volumes	17,373
Archival Material (linear feet)	4,280

### Research Services

Systematic reviews completed	91
Literature searches completed	388
Information Services Desk inquiries	4162
Librarian inquiries	472

### 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 2020, the total number of page views across all Becker Guides was 144,731.

The following table lists the top 20 guides based on total views.

<b>Guide Name</b>	<b>Views</b>
Selecting a Journal for Publication	32,729
Tools for Authors	23,680
NIH Biosketch	23,360
Quantifying the Impact of My Publications	6,539
Systematic Review Guide	4,936
Mobile Medical Apps	3,329
Qualitative Research	3,214
Evidence Based Nursing	3,099
Physical Therapy	2,785
DBBS education resources	2,570
NIH Public Access Policy	2,488
Anesthesiology Resources	2,400
Gun Violence-Related Resources	2,311

Consumer Health	2,145
Global Health Resources	2,027
LGBTQ Healthcare Resources	2,020
Designing Search Strategies for Systematic Reviews	1,852
Community-Engaged Research	1,733
COVID-19 Resources	1,542
Research Impact	1,403

## Collection Use

	FY20		FY21		Percent Change	
	Unique Items	Uses	Unique Items	Uses	Items	Use
<b>E-Journals</b>	2,523	3,266,369	2,342	3,452,008	-7%	6%
<b>E-Books</b>	18,811	482,217	21,093	229,499	12%	-52%
<b>Print Journals</b>	5	5	4	31	-20%	520%
<b>Print Books</b>	1,259	2,259	1,123	1,710	-11%	-24%
<b>Audiovisuals</b>	10	55	14	29	40%	-47%
<b>Checkouts</b>	1,420	2,662	1,149	2,155	-19%	-19%

## Borrowers

	FY20		FY21	
	# borrowing materials	% of registered borrowers	# borrowing materials	% of registered borrowers
<b>Students</b>	984	34%	541	25%
<b>Faculty/Staff</b>	790	28%	912	41%
<b>Resident/Fellow</b>	278	10%	206	9%

## Top 20 Print Books Used in FY20

Print Book Title	Author(s)	Uses
AAMC faculty salary report		18
Pediatric dentistry		18
MGMA ... provider compensation and production report		17
MKSAP 17		14
The Biology of cancer	Weinberg, Robert	13
Rehabilitation of the hand and upper extremity		11
Atlas of human anatomy	Netter, Frank H.	10
Rapid interpretation of EKG's	Dubin, Dale,	9
Fundamentals of biostatistics	Rosner, Bernard	9

Cerebral cortex		8
Mindfulness for beginners	Kabat-Zinn, Jon	8
Photo Dx--an aid for the study of physical diagnosis		8
The Analysis of biological data		8
Stretching to stay young	Matthews, Jessica,	7
Principles of biostatistics	Pagano, Marcello,	7
Atlas of human anatomy	Netter, Frank H.	7
Colonoscopy		7
Common movement disorders pitfalls	Espay, Alberto J.	6
Step-up to emergency medicine		6
First aid for the USMLE Step 2 CS clinical skills	Le, Tao,	6
Neuroanatomy through clinical cases	Blumenfeld, Hal.	6
Occupational therapy		6
Asher's Occupational therapy assessment tools		6
Publication manual of the American Psychological Association		6
Janeway's immunobiology	Murphy, Kenneth	6
The Art and science of diabetes self-management education desk reference		6
Next-generation DNA sequencing informatics		6

## Top 25 E-Books Used in FY20

Below is a list of the top 25 e-books used according to the data in the Counter 4 Standard Book Report 2, in which each vendor can choose what type of section use will be counted.

Title	Uses
Johns Hopkins ABX Guide	8883
Occupational Therapy	4169
Dermatology: 2-Volume Set (Fourth Edition)	3088
Pedretti's Occupational Therapy	2636
Washington Manual of Medical Therapeutics	2374
5-Minute Clinical Consult, Updating	2270
Textbook of Neonatal Resuscitation (NRP), 7th Ed	2033
Principles and Practice of Clinical Research (Fourth Edition)	1933
AMA manual of style	1508
Diagnostic and Statistical Manual of Mental Disorders	1493
Red Book	1330
Handbook of Neurosurgery	1292
Principles of Neural Science Fifth Edition	1266
Protest Psychosis : How Schizophrenia Became a Black Disease	1115
Quick Reference Neuroscience for Rehabilitation Professionals : The Essential Neurologic Principles Underlying Rehabilitation Practice, Third Edition	1113
Rutherford's Vascular Surgery and Endovascular Therapy, 2-Volume Set (Ninth Edition)	1073
Affliction : Health, Disease, Poverty	1056
Goldman-Cecil Medicine (Twenty-fifth Edition)	1049

Culture in Clinical Care : Strategies for Competence	925
Reproducing Race : An Ethnography of Pregnancy As a Site of Racialization	917
Rosen's Emergency Medicine: Concepts and Clinical Practice (Ninth Edition)	899
Physiology (Sixth Edition)	862
The Evidence-Based Practitioner	799
Anesthesia Secrets (Fourth Edition)	753
Pathophysiology of Heart Disease: A Collaborative Project of Medical Students and Faculty	699
Dermatopathology (Third Edition)	691

## Top 20 E-Journals Used in FY20

Below is a list of the top 20 e-journals used according to the data in the Counter 4 Standard's Journal Report<sup>1</sup> report. This report counts the number of successful full-text article requests.

Title	Publisher	Uses
Nature	Nature Research	156424
New England Journal of Medicine	New England Journal of Medicine	92426
Science	American Association for the Advancement of Science	87371
PNAS	National Academy of Sciences	77821
Cell	Elsevier	57406
JAMA	American Medical Association	43234
Journal of Biological Chemistry	American Society for Biochemistry and Molecular Biology	31726
Neuron	Elsevier	27049
Clinical Infectious Diseases	Oxford Journals	24870
The Journal of Immunology	American Association of Immunologists	24325
Journal of Neuroscience	Society for Neuroscience	23745
Nature Medicine	Nature Research	23480
The Lancet	Elsevier	22299
Nature Neuroscience	Nature Research	21106
Pediatrics	American Academy of Pediatrics	19974
Immunity	Elsevier	19500
Nature Immunology	Nature Research	17257
Nature Methods	Nature Research	16869
Blood <sup>1</sup>	American Society of Hematology	16254
Nature Genetics	Nature Research	15205

<sup>1</sup> Statistics lost because of change of delivery platform.

## Interlibrary Loan Services

Becker Library provides a document delivery service that allows School of Medicine faculty and staff to request articles to be copied and delivered for a small fee as well as interlibrary loan services for obtaining from other libraries books and articles not owned by Becker.

### TOTAL BORROWING, LENDING AND DOCUMENT DELIVERY

<b>Total ILL</b>	<b>FY20</b>	<b>FY19</b>	<b>FY18</b>	<b>FY17</b>	<b>FY16</b>
<b>Filled</b>	7,549	8,009	8,805	9,261	10,302

### BECKER LIBRARY BORROWED FROM OTHER LIBRARIES

<b>Borrowing</b>	<b>FY20</b>	<b>FY19</b>	<b>FY18</b>	<b>FY17</b>
<b>Filled</b>	1,269	1,529	1,792	1,485

### INTERLIBRARY LOAN BY SERVICE

Interlibrary loan requests filled for other libraries by Becker Library collection	5,475 <sup>2</sup>
Document Delivery requests filled for WU patrons from Becker Library collection	805
Becker Library Borrowed from Other Libraries	1,269 <sup>3</sup>

### JOURNAL TITLES MOST REQUESTED FROM OTHER LIBRARIES BY WUSM PATRONS IN FY20

<b>Journal Title Borrowed from other libraries</b>	<b>Times borrowed</b>
Acta Ophthalmologica	10
American Journal of Obstetrics and Gynecology	10
Nature	10
British Journal of Neurosurgery	7
Acta Oto-Laryngologica	6
Annals of Thoracic Surgery	5
Clinical Nephrology	5
Gastroenterology	5
American Industrial Hygiene Association Journal	4
American Surgeon	4
Annals of Otolaryngology and Rhinology	4
Documenta Ophthalmologica	4
Expert opinion on drug delivery	4
Federation proceedings	4
Fertility and sterility	4
Journal of thoracic and cardiovascular surgery	4
Occupational Therapy in Health Care	4

<sup>2</sup> 5,386 articles + 89 monographs

<sup>3</sup> 1,173 articles + 96 monographs

Reviews in Medical Virology	4
Scandinavian Journal of Gastroenterology	4
Thrombosis and Haemostasis	4

## Financial Information

<b>FY20 Income and Expenses</b>	<b>Amount</b>
<b>Income</b>	<b>\$479,844</b>
<b>Expenses</b>	
Salaries and benefit	\$3,061,421
Collection expenses	3,998,172
Operating expenses	392,280
<b>Total expenses</b>	<b>\$7,451,873</b>

## Appendix B – Staff Professional Activities

### Publications

Clarke JV, Suggs JM, Diwan D, Lee JV, **Lipsey K**, Vellimana AK, Zipfel GJ, et. al. Microvascular platelet aggregation and thrombosis after subarachnoid hemorrhage: A review and synthesis. *J Cereb Blood Flow Metab* [published online ahead of print 2020 Apr 28].

Nyoni T, Sallah YH, Okumu M, Byansi W, **Lipsey K**, Small E. The effectiveness of treatment supporter interventions in antiretroviral treatment adherence in sub-Saharan Africa: a systematic review and meta-Analysis. *AIDS Care*. 2020;32(sup2):214-227.

**Thomas D**, Hardi A, Dufault C. Providing information-seeking skills feedback within a medical school curriculum: a partnership between librarians and education specialists. *Med Ref Serv Quart* 2020; 39:(1),27-34

Burnham JP, Fritz SA, **Yaeger LH**, Colditz GA. Telemedicine Infectious Diseases Consultations and Clinical Outcomes: A Systematic Review. *Open Forum Infect Dis*. 2019 Dec 5;6(12):ofz517.

Burnham JP, Fritz SA, Yaeger LH, Colditz GA. Telemedicine infectious diseases consultations and clinical outcomes: a systematic review and meta-analysis protocol. *Syst Rev*. 2019 Jun 7;8(1):135.

Chen SY, Massa S, Mazul AL, Kallogjeri D, **Yaeger L**, Jackson RS, Zevallos J, Pipkorn P. The association of smoking and outcomes in HPV-positive oropharyngeal cancer: A systematic review. *Am J Otolaryngol*. 2020 Sep-Oct;41(5):102592.

Cheng S, Davis M, Jonson-Reid M, **Yaeger L**. Compared to what? A meta-analysis of batterer intervention studies using nontreated controls or comparisons. *Trauma, Violence, and Abuse*. Jul 30: 1524838019865927.

Hooley C, Amano T, Markovitz L, **Yaeger L**, Proctor E. Assessing implementation strategy reporting in the mental health literature: A narrative review. *Admin Policy Mental Health & Mental Health Services Research*. 2020;47(1):19-35.

Laatsch L, Dodd J, Brown T, Ciccio A, Connor F, Davis K, **Yaeger L**. Evidence-based systematic review of cognitive rehabilitation, emotional, and family treatment studies for children with acquired brain injury literature: From 2006 to 2017. *Neuropsychological Rehabilitation*. 2020; 30(1);130-161.

Lapidus JB, Lu JC, Santosa KB, **Yaeger LH**, Stoll C, Colditz GA, Snyder-Warwick A. Too much or too little? A systematic review of postparetic synkinesis treatment. *J Plast Reconstr Aesthet Surg*. 2020 Mar;73(3):443-452.

Manasco AT, Stephens RJ, **Yaeger LH**, Roberts BW, Fuller BM. Ketamine sedation in mechanically ventilated patients: A systematic review and meta-analysis. *J Crit Care*. 2020 Apr;56:80-88.

Sisk BA, Schulz GL, Mack JW, **Yaeger L**, DuBois J. Communication interventions in adult and pediatric oncology: A scoping review and analysis of behavioral targets. *PLoS One*. 2019 Aug 22;14(8):e0221536.

Vila PM, Jeanpierre LM, Rizzi CJ, **Yaeger LH**, Chi JJ. Comparison of Autologous vs Homologous Costal Cartilage Grafts in Dorsal Augmentation Rhinoplasty: A Systematic Review and Meta-analysis. *JAMA Otolaryngol Head Neck Surg*. 2020 Feb 20;146(4):347–54.

Vila PM, Kallogjeri D, **Yaeger LH**, Chi JJ. Powering the Gracilis for Facial Reanimation: A Systematic Review and Meta-analysis of Outcomes Based on Donor Nerve. *JAMA Otolaryngol Head Neck Surg*. 2020 Mar 26;146(5):1–8.

Vila PM, Ramsey T, **Yaeger LH**, Desai SC, Branham GH. Reporting of Cosmesis in Head and Neck Reconstruction: A Systematic Review. *Otolaryngol Head Neck Surg*. 2019 Apr;160(4):573-579.

Baumgartner K, **Doering M**, Schwarz E. Vilazodone poisoning: a systematic review. *Clin Toxicol (Phila)*. 2020 May;58(5):360-367.

Cheng AL, Schwabe M, **Doering M**, Colditz GA, Prather H. The Effect of Psychological Impairment on Outcomes in Patients with Prearthritic Hip Disorders: A Systematic Review and Meta-analysis. *Am J Sports Med*. 2019 Dec 12:363546519883246.

Gdowski MA, Murthy VL, **Doering M**, Monroy-Gonzalez AG, Slart R, Brown DL. Association of Isolated Coronary Microvascular Dysfunction with Mortality and Major Adverse Cardiac Events: A Systematic Review and Meta-Analysis of Aggregate Data. *J Am Heart Assoc*. 2020 May 5;9(9): e014954.

Khalifeh JM, Dibble CF, Van Voorhis A, **Doering M**, Boyer MI, Mahan MA, Wilson TJ, Midha R, Yang LJS, Ray WZ. Nerve transfers in the upper extremity following cervical spinal cord injury. Part 1: Systematic review of the literature. *J Neurosurg Spine*. 2019 Jul 12:1-12.

Langston ME, Horn M, Khan S, Pakpahan R, **Doering M**, Dennis LK, Sutcliffe S. A Systematic Review and Meta-analysis of Associations between Clinical Prostatitis and Prostate Cancer: New Estimates Accounting for Detection Bias. *Cancer Epidemiol Biomarkers Prev*. 2019 Oct;28(10):1594-1603.

Sekhon S, Rosenbloom JI, **Doering M**, Conner SN, Macones GA, Colditz GA, Tuuli MG, Carter EB. Diagnostic utility of maximum vertical pocket versus amniotic fluid index in assessing amniotic fluid volume for the prediction of adverse maternal and fetal outcomes: a systematic review and meta-analysis. *J Matern Fetal Neonatal Med*. 2019 Nov 20:1-10.

Lenger SM, Bradley MS, **Thomas DA**, Bertolet MH, Lowder JL, Sutcliffe S. D-mannose vs other agents for recurrent urinary tract infection prevention in adult women: a systematic review and meta-analysis. *Am J Obstet Gynecol*. 2020 Aug;223(2):265.e1-265.e13. doi: 10.1016/j.ajog.2020.05.048. Epub 2020 Jun 1.

Etttyreddy AR, Chen CL, Zenga J, **Simon, LE**, Pipkorn, P. Complications and outcomes of chimeric free flaps: A systematic review. *Otolaryngology- Head and Neck Surgery (United States)* 2019; 161(4), 568-575.

Gross, JH, Vila PM, **Simon L**, Rizvi ZH, Zenga J, Jackson RS, Pipkorn P. Elective neck dissection during salvage laryngectomy: A systematic review and meta-analysis. *Laryngoscope*. 2020 Apr;130(4):899-906.

L'Hotta AJ, Varughese TE, Lyons KD, **Simon L**, King AA. Assessments used to measure participation in life activities in individuals with cancer: a scoping review. *Support Care Cancer*. 2020 Aug;28(8):3581-3592. doi: 10.1007/s00520-020-05441-w. Epub 2020 Apr 13.

Rosenbloom JI, Bruno AM, Conner SN, Tuuli MG, **Simon LE**, Macones GA, Cahill AG. Fetal thrombocytopenia in pregnancies complicated by fetal anemia due to red-cell alloimmunization: cohort study and meta-analysis. *J Perinatol*. 2019 Jul;39(7):920-926.

Salazar AS, Recinos LM, Mian HS, Stoll C, **Simon LE**, Sekhon S, Colditz GA, Wildes TM. Geriatric Assessment and Frailty Scores Predict Mortality in Myeloma: Systematic Review and Meta-analysis. *Clin Lymphoma Myeloma Leuk*. 2019 Aug;19(8):488-496.e6.

Wyman JF, Zhou J, Yvette LaCoursiere D, Markland AD, Mueller ER, **Simon L**, Stapleton A, Stoll CRT, Chu H, Sutcliffe S. Normative noninvasive bladder function measurements in healthy women: A systematic review and meta-analysis. *Neurourol Urodyn*. 2020 Feb;39(2):507-522.

Uchanski RM, **Sarli C**. 20th Century Hearing Devices: Going, Going, Nearly Gone. *Hearing Journal*. 2019;72 (12): 1-13.

**Sarli C**, Uchanski RM. Early Mechanical Hearing Devices. *Hearing Journal*. 2019;72 (8): 8-9.

**Suiter AM, Sarli CC**. Selecting a Journal for Publication: Criteria to Consider. *Mo Med*. 2019 Nov-Dec;116(6):461-465. PMID: 31911720; PMCID: PMC6913840.

**Hansen J**. Librarian Consults Through Epic: New Opportunities for Collaboration and Education. **Med Ref Serv Q**. 2019 Jul-Sep;38(3):293-299.

Edalati M, Hastings MK, Muccigrosso D, **Sorensen CJ**, Hildebolt C, Zayed MA, Mueller MJ, Zheng J. Intravenous contrast-free standardized exercise perfusion imaging in diabetic feet with ulcers. *J Magn Reson Imaging*. 2019 Aug;50(2):474-480.

Marich AV, Hwang CT, **Sorensen CJ**, van Dillen LR. Examination of the Lumbar Movement Pattern during a Clinical Test and a Functional Activity Test in People with and without Low Back Pain. *PM R*. 2020 Feb;12(2):140-146.

Moore, Michael; Patterson, Brandon; Samuel, Sara; Sheridan, Helenmary; **Sorensen, Christopher**. (2020). Neuroimaging DICOM and NIFTI Data Curation Primer. [Data Curation Network GitHub Repository](#).

**Brander, Elisabeth**. Review: Dániel Margósy et.al. *The Fabrica of Andreas Vesalius: A Worldwide Descriptive Census, Ownership, and Annotations of the 1543 and 1555 Editions*. Leiden and Boston: Brill, 2018. In *The Papers of the Bibliographical Society of America*. 113:3 (September 2019). 371-373.

## Invited Presentations

**Hardi A, Simon L**. Using interactive learning tools in a course for adult learner. 2019 Focus on Teaching and Technology Conference. University of Missouri-St. Louis, MO

**Lipsey K, Holland C**. Under-represented populations: how librarians can help? Fourth Annual Gateway Library Instruction Conference. University of Missouri-St. Louis, MO

## Contributed Presentations

Nyoni T, Okumu M, **Lipsey K**. Synthesizing Community-Based Treatment Supporter Interventions That Promote Antiretroviral Treatment Adherence Among Adults in East and Southern Africa: A Systematic Review. 24th Annual Conference of the Society for Social Work and Research (SSWR) ; Washington, DC, January 15-19, 2020.

**Brander, Elisabeth**. Embedding the Archives into Formal Education & Outreach. Librarians, Archivists, and Museum Professionals in the History of the Health Sciences (LAMPHHS) Annual Meeting, May 2020.

**Voorhees M**. Health Literacy. Accessibility Online Webinar Series hosted by the Great Lakes American Disabilities Association Accessibility, May 2020.

## Poster Presentations

Brogan HV, **Sorensen CJ**, Mueller MJ, Hastings MK. Decline in Physical Activity in Individuals with Diabetes Mellitus and Peripheral Neuropathy. APTA Combined Sections Meeting, Denver, CO. 2020

Nelson B, Cooley SA, Reeds D, Cade WT, Boerwinkle A, **Sorensen CJ**, Ances B. Lower physical activity and fitness levels are associated with smaller brain volumes. Conference on Retroviruses and Opportunistic Infections, Virtual Conference. 2020

## Awards

**Lipsey, K**. St. Louis Medical Librarian Leadership Award

**Lipsey, K**. Certificate of Excellence: St. Louis Public Schools (WU Saturday Scholars Program)

## Referee Activities

**Sorensen CJ**. Plos One

**Sorensen CJ**. Journal of Applied Biomechanics

**Vana ML**. Journal of the Medical Library Association

**Sarli C**. Journal of the Medical Library Association

**Sarli C**. PubMed Central Journal Independent Reviewer Consultant

## Appendix C – Departmental Staff Listing

### *Library Director*

Paul Schoening                      *Associate Dean and Director*

### Library Administration

Donna Ottensmeier                      *Manager, Financial Operations*  
Sue Hennessey                      *Senior Departmental Accounting Assistant*  
Rose Kettler                      *Administrative Coordinator*  
Laura Swofford                      *Marketing Manager*

### Archives and Rare Books

Elisabeth Brander                      *Rare Book Librarian*  
Stephen Logsdon                      *Head, Special Collections*  
Ashley Chase                      *Archivist*  
Brian McKinney                      *Binding & Preservation Assistant*  
Martha Riley                      *Archivist & Rare Book Cataloger*  
Philip Skroska                      *Visual and Graphic Archivist*

### Circulation

Angie Rosengarten                      *Information Desk Supervisor*  
Stephanie Coen                      *Library Assistant*  
Daniel Klosterman                      *Library Assistant*  
Nathaniel Potts                      *Library Assistant*  
Neal Shipe                      *Library Assistant*  
James Zerkel                      *Library Assistant*

### Collection Management Services

Marysue Schaffer                      *Associate Director, Collection Management*  
Anise Gilliam                      *Serials Assistant*  
Denise Hannibal                      *Acquisitions Librarian*  
Barb Mathieu                      *Library Associate*  
Anna Vani                      *Catalog Librarian*

### Data and Research Computing

Marcy Vana                      *Head, Data and Research Computing*  
Maze Ndonwi                      *Senior Support Scientist*  
Chris Sorenson                      *Senior Support Scientist*

## Health Information Services

Deborah Thomas	<i>Associate Director, Health Information Services</i>
Michelle Doering	<i>Librarian</i>
Emily Gallaher	<i>Librarian</i>
Angela Hardi	<i>Librarian</i>
Kim Lipsey	<i>Librarian</i>
Laura Simon	<i>Librarian</i>
Lauren Yaeger	<i>Librarian</i>

## Research, Publishing and Communication

Bob Engeszer	<i>Associate Director, Research, Publishing and Communication</i>
Robert Altman	<i>Head, Library Technology Services</i>
Judith Hansen	<i>Consumer Health Librarian</i>
Cathy Sarli	<i>Scholarly Communications Specialist</i>
Evan Sprague	<i>Research &amp; Publishing Support Librarian</i>
Lucas Steinbeck	<i>Technology Support Analyst II</i>
Amy Suiter	<i>Scholarly Publishing Librarian</i>
Mychal Voorhees	<i>Health Communication &amp; Training Specialist</i>

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

### Historia Medica Lectures

*Presented in partnership with the Center for History of Medicine*

**“The Courtiers’ Anatomists: Animals and Humans in Louis XIV’s Paris”**

71st Historia Medica Lecture

Anita Guerrini, PhD

Oct. 16, 2019

**“The Inquisitor’s Laboratory: Madness, the Insanity, and the New World’s First Mental Hospital”**

72nd Historia Medica Lecture

Christina Ramos, PhD

Nov. 13, 2019

**“Climbing the Ladder, Chasing the Dream: The History of Homer G. Phillips Hospital”**

73rd Historia Medica Lecture

Candace O’Connor, MA

Jan. 22, 2020

**“Maesters, Greyscale, and Milk of the Poppy: Medicine in ‘Game of Thrones’”**

74th Historia Medica Lecture

Bess Brander, MA, MLIS

Feb. 19, 2020

### Other Events

**“Annual Display of Rare Anatomical Texts”**

Dec. 6, 2019

*First Fridays @ Becker*

**“Presidents”**

Jul. 5, 2019

**“Medical Advertisements”**

Aug. 2, 2019

**“Class Photographs”**

Sep. 6, 2019

**“Cartoons and Caricatures”**

Oct. 4, 2019

*First Fridays @ Becker continued*

**“Plagiarism”**

Nov. 1, 2019

**“Oldest Items”**

Jan. 3, 2020

**“Doctor’s Bags”**

Feb. 7, 2020

**“WU Women”**

Mar. 6, 2020

*\*Weekly social media postings March-July due to COVID-19 pandemic*

Glaser Gallery Exhibits

**“That Was Then: An Exhibit on the Architectural History of WUSM”**

May 2019 – Aug. 2019

**“H. Richard Tyler: Collecting the Foundations of Neurology”**

Aug. 2019 – Oct. 2019

**“Immigrants (We get the job done)”**

Nov. 2019 – Jan. 2019

**“Medicine in the Fantastic and Fantastic Medicine”**

Feb. 2019 – Jul. 2019

Special Collections Book Club

**“Alias Grace” by Margaret Atwood**

Jul. 2019

**“The Alchemist’s Daughter” by Katharine McMahon**

Nov. 2019

**“Mistress of the Art of Death” by Arianna Franklin**

Apr. 2020