Harvey Cushing / John Hay Whitney Medical Library, Yale University Annual Report, 2020–2021



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Publication Note

The Harvey Cushing/ John Hay Whitney Medical Library Annual Report is a collaborative effort.

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Cover: Users in the Morse Reading Room Photo: Rob Lisak

From the Director

Whether professionally, personally, or both, the past year has been extraordinary for all of us. It presented unprecedented challenges for the Medical Library as we pivoted to provide essential services and resources remotely to our community in the midst of a pandemic. Since August 2020, a dedicated cadre of library staff has worked on-site to process special collections and to keep the library open for those seeking to study, research, or borrow materials. Staff working remotely offered virtual support to users regardless of their location. Throughout the year, our goal has been to provide uninterrupted services that fulfill our community's information, clinical, and research needs.

In March 2021 our enterprising research culture was affirmed when the Medical Library Association awarded the prestigious Research Advancement in Health Sciences Librarianship Award to the Cushing/Whitney Medical Library. It's a powerful acknowledgment of our impact and embeddedness within the Yale medical community and beyond. Undoubtedly, the national recognition was welcome news during a challenging year.

We look ahead to a new year with hope and optimism, tempered by the knowledge that our journey through this pandemic continues. With misinformation and myths swirling about



John Gallagher Photo: Terry Dagradi

vaccinations, masking, and untested drugs to treat COVID-19, our mission to deliver evidence-based, data-driven, and unbiased information has never been more vital. Whether in-person or online, it is our honor to serve as essential research partners in support of the critically important work that you do. We look forward to seeing and working with you in the year ahead.

Sincerely, John Gallagher

Meeting Users Where They Are

LIMITED ONSITE SERVICES RESUME

On August 10, 2020, Access Services team members Vasean Daniels, Khadija El-Hazimy, Mary Hughes, Melanie Norton, and Lisa Sanders returned to the Medical Library to prepare for the building's reopening. During the five-month closure, thousands of books had been returned, and the process of sorting them involved a tremendous effort. Following University COVID-19 guidance, all returned items were quarantined for forty-eight hours before reshelving.

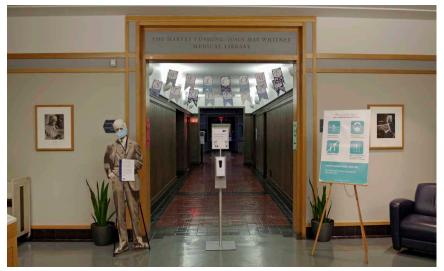
To prepare for in-person visitors, the Medical Library was outfitted with plexiglass barriers at service points, hand and surface sanitizing stations, and new signage. Furniture layouts were adjusted to comply with Environmental Health

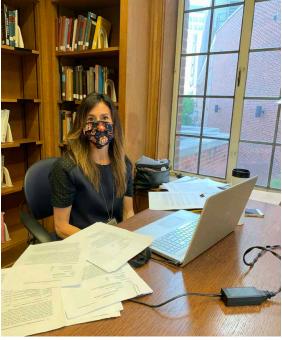
and Safety recommendations, and seating capacity was significantly reduced. Head of Technology and Innovation Lei Wang and Distributed Support Provider Justin DeMayo were instrumental in the reconfiguration of the library's public computing areas.

Archivist Katherine Isham, Research Specialist Thomas Falco, Curator of Prints and Drawings and Historical Medical Posters Susan Wheeler, Library Services Assistant Christopher Zollo, and Head of the Medical Historical Library Melissa Grafe worked on-site to process and preserve special collections materials and make items available to researchers through virtual consultations.

On August 24, 2020, the Medical Library resumed limited on-site services for authorized







Library Services Assistant Mary Hughes at the circulation desk checking in materials *Photo: Kelly Perry*

The Medical Library reopens to authorized users on August 24, 2020 *Photo: Kelly Perry*

Associate Professor of Psychiatry Donna LaPaglia, seen here in the Morse Reading Room, is one of the first visitors to return to the Medical Library on August 24 Photo: John Gallagher

"Yale's Medical Library is one of the best in the world. I am so honored to be affiliated with its leadership and so grateful on behalf of all our trainees and faculty for the amazing resource you have created and nurtured for the health sciences."

– Jessica Illuzzi, M.D., M.S., FACOG, Professor of Obstetrics, Gynecology, and Reproductive Sciences and Deputy Dean for Education (YSM) Yale and YNHH ID holders. Housekeeping staff worked to ensure all spaces were thoroughly cleaned, and visitors were required to wear a mask at all times and adhere to six-foot physical distancing requirements. Though visitors could browse and retrieve materials from open stacks, all items used in-house were quarantined.

To facilitate safe and efficient book lending, Yale University Library developed a contact-free loan and pickup system. Users could request to borrow items online, and the books were then retrieved, checked out, placed in a brown paper bag, and added to a cart where borrowers could pick them up at their leisure. In total, the Medical Library loaned 2,071 books through contactless pickup.

Additionally, a mail-to-address service was offered for those unable to come to the Medical Library. Nearly 500 books were mailed to home addresses during the last fiscal year, and the service will continue due to its popularity.

Library Services Assistants Vasean Daniels, Pamela Gibson, Mary Hughes, Dorota Peglow, and Lisa Sanders provided users with 9,126 articles and materials not owned by Yale University Library, an increase of 36 percent from the previous year. Similarly, the use of the Scan and Deliver service increased by 12 percent, supplying 4,073 article and book chapter scans from our collections to Yale and YNHH users.

VIRTUAL SUPPORT

The accessibility of library services over Zoom made research consultations more popular than ever. The convenience of virtual support allowed medical librarians to meet users wherever they were — on trains, between patient visits, and even at the gym. In total, medical librarians conducted 1,789 virtual consultations with Yale and YNHH students, staff, faculty, and researchers.

"The bioinformatics consultations provided by the library team are outstanding and essential to my research. Their expertise and knowledge of different tools have helped to enrich my studies and more recently enabled publication of our work through a deeper understanding of biology. Rolando [Garcia-Milian] helps my lab with any problem we have in bioinformatics analysis."

-YSM faculty member

For those outside the Yale community interested in examining materials from our special collections, Melissa Grafe and Historical Library staff creatively offered consultations through Zoom using a document camera. International researchers in Japan and England used this specialized service to identify books and archives needed for their projects and request digital copies.

ONLINE INSTRUCTION

Virtual instruction sessions were also extremely popular this year, with medical librarians hosting just shy of 300 virtual events open to the Yale and YNHH community. Many used virtual instruction as an opportunity to introduce new sessions better suited to online learning, such as workshops on Photoshop and HTML/CSS. Other new offerings included the *Beyond PubMed* series, designed to expand users' research toolkits with highlighted resources such as Scopus and Ovid, as well as jointly hosted webinars with such software vendors as Qlucore.

To recreate traditionally in-person experiences, Melissa Grafe led more than thirty virtual sessions for Yale students using a document camera to show pages from rare books in the Medical Library's collection. Cushing Center Coordinator Terry Dagradi led special tours of the Cushing Center for Yale courses via Zoom.

Building on the Medical Library staff's longstanding collaborations with K–12 schools in New Haven, Melissa Grafe, Terry Dagradi, and Digital Library Assistant Kelly Perry created a fifteen-minute video focused on neurosurgery and neuroscience with content from the Cushing Center for students in the Engineering and Science University Magnet School.

Finally, medical librarians reimagined curricular instruction in long-running classes by experimenting with the flipped classroom model. This involved developing asynchronous learning materials and activities for Physician Associate students to complete prior to class, so that face-to-face time on Zoom was reserved for active learning experiences. Encouragingly, these sessions garnered higher student satisfaction scores than their in-person predecessors.

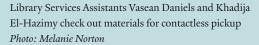




"The Yale Medical Library is one of the most remarkable resources available to our residents, fellows, and faculty. The Clinical Librarians are knowledgeable, accessible, and always welcoming. They provide monthly updates at our Graduate Medical Education Committee Meeting, which highlights new initiatives directly relevant to GME. They have partnered with many of our trainees and program directors on research projects and are outstanding resources for literature reviews and skill development."

– Stephen Huot, M.D., Ph.D., Professor of Medicine (Nephrology) and Associate Dean for Graduate Medical Education (YSM)





Access Services Assistant Lisa Sanders scans materials for electronic course reserves Photo: Melanie Norton

A New Haven public school student watches Melissa Grafe giving a lesson on neurosurgery and neuroscience Photo: Holly Grossetta Nardini

A student retrieves books from the contactless pickup cart $Photo: Rob\ Lisak$

Melissa Grafe remotely teaches a class using a highresolution document camera Photo: Kelly Perry





Toward a More Equitable, Diverse, and Inclusive Library

DIVERSITY, EQUITY, INCLUSION, AND BELONGING (DEIB) RESOURCES

Medical librarians have been collaborating with students, faculty, and researchers for years to develop pages on DEIB resources for topics including disability studies, LGBTQIA+ health, and the history of race and disease in American medicine. To facilitate the discovery of these valuable resources, we launched the "Diversity, Equity, Inclusion, and Belonging" portal on our website. The page includes links to eight different collections of DEIB information and continues to grow as new needs are identified.

The most recent collection was prompted by Max Jordan Nguemeni Tiako, M.D. '21, who requested a webpage that gave researchers a place to start when researching race and racism, specifically as they related to medical education, health care disparities, clinical research, and health care technology. As trusted information providers, we believe it is our responsibility to continue the conversation on social injustice and connect users with seminal works of scholarship and literature on this far-reaching topic. The page has grown to

"The DEIB website is an everexpanding, user-friendly resource and space for people in the medical school community to locate links to scholarly work (highlighting work by YSM faculty/staff/students), personal reflections, books, websites, videos, podcasts, and more that may be helpful in teaching and learning about racism and related issues."

– Anna Reisman, M.D., Professor of Medicine (General Medicine) include curricula and syllabi, podcasts, bibliographies, data sets, and information about searching the literature.

PLOS AGREEMENT

The Medical Library, in partnership with Yale University Library, signed two agreements with the nonprofit, open-access publisher PLoS. These three-year agreements waive article processing charges (APCs) for all Yale-affiliated authors in PLoS journals, including new journals released during the contract term. These agreements make quality, open-access publishing a more financially viable option for Yale authors, as APCs may cost up to \$3,000 per article. They also allow greater and more equitable access to Yale research by making articles immediately and freely available worldwide upon publication. Collection Development and Scholarly Communication Librarian Lindsay Barnett was essential to both the negotiation of these deals and communication of the benefits to the broader Yale community.

BEINECKE TRANSCRIPTIONS

Library Services Assistants Aletia Garvey and Alla Mashkautsan participated in the Beinecke Rare Book and Manuscript Library's transcription project to make digitized materials more accessible online.

Using a program called "From the Page," Aletia and Alla typed word-for-word transcriptions of digitized materials from the Beinecke's collection. This collaborative project added tremendous value to the new digital library platform by making content full-text searchable and more accessible for individuals with visual impairments. Aletia and Alla typed a total of 12,147 manuscripts.

WOMEN IN LEADERSHIP

In support of women leaders at Yale School of Medicine, Clinical Research and Education Librarian Melissa Funaro has been collaborating on the Women's Leadership Resource Library. This electronic library is designed to help women in medicine elevate their leadership skills through curated content on teamwork, mentoring, negotiation, and time management.

LAND ACKNOWLEDGMENT

As part of our diversity, equity, and inclusion work, we recently added Yale's land acknowledgment statement to our website. This statement recognizes the indigenous peoples and nations upon which our library and the Yale campus are built.

INCLUSIVE MANAGER'S TOOLKIT TRAINING

This year several Medical Library supervisors completed The Inclusive Manager's Toolkit, an intensive ten-week managerial effectiveness course. The program emphasizes equity, inclusion, and diversity in the workplace and helps participants develop the skills necessary to lead and create a more inclusive and welcoming environment for teams. The training explores various topics including cultural competence, allyship, privilege, power, and influence, and how these relate to the cultures, norms, and values cultivated in professional environments. Supervisors across the library system are participating in the program, which is a priority of University Librarian Barbara Rockenbach, and all Medical Library supervisors will have completed the training by the end of FY22. We are committed to enacting the values and tools learned in this training into our workplace.

Yale University acknowledges that indigenous peoples and nations, including Mohegan, Mashantucket Pequot, Eastern Pequot, Schaghticoke, Golden Hill Paugussett, Niantic, and the Quinnipiac and other Algonquian speaking peoples, have stewarded through generations the lands and waterways of what is now the state of Connecticut. We honor and respect the enduring relationship that exists between these peoples and nations and this land.

Initiatives and Collaborations

GRANTS FROM THE NETWORK OF THE NATIONAL LIBRARY OF MEDICINE (NNLM)

The Medical Library was awarded two grants from the NIH's Network of the National Library of Medicine through our partners at the UMass Chan Medical School. The first was a technology grant for \$30,000 to fund a high-performance scanner for digitizing historical material to make it freely accessible through Yale, the Medical Heritage Library, and the Internet Archive.

The second grant for \$17,650 funded bioinformatics assessment and training. The Medical Library research team conducted a needs assessment to determine the current state of bioinformatics and research data support services offered through academic health sciences libraries in New England and New York. This data, plus an

environmental scan of excellent national programs, will inform bioinformatics and research data services training we will provide for the NNLM. The research team included Research and Education Librarian for Bioinformatics Rolando Garcia-Milian, Data Librarian for the Health Sciences Sawyer Newman, Simbonis Fellow Nur-Taz Rahman, Head of Academic Research and Education Judy Spak, and Associate Director Holly Grossetta Nardini, who served as Principal Investigator.

PIVOTING TOWARD THE YNHH STRUCTURE

The Clinical Research and Education team recalibrated liaison duties this year to meet the evidence-based information needs of the growing residency, fellowship, and nursing programs,

and the continued expansion of the YNHH delivery network. Working closely with clinical chairs, chiefs, program directors, and coordinators, the clinical librarians aligned their services with YNHH's service lines, emphasizing renewed relationships with the Cancer Center and allied health departments. In their new assignments, the clinical librarians expanded their services and introduced new ways to work and engage with their units, such as on-demand virtual office hours. Increased Zoom-based consultations and training allow more flexible scheduling and ensure that the Medical Library staff are delivering the timely support required to maintain YNHH's mission of innovation and excellence in patient care, teaching, research, and service. Clinical Research and Education Librarians Alexandria Brackett, Courtney Brombosz, Melissa Funaro, and Alyssa Grimshaw are assigned as liaisons to medical and allied health departments. Janene Batten serves nurses across the organization, from leadership to bedside.

NURSING EDUCATION AND MAGNET ACCREDITATION

YNHH was accredited with Magnet status for the third time in 2021, a prestigious designation for hospitals whose nurses demonstrate dedication to research, practice excellence, and continuous

improvement. The Medical Library staff provided critical support for this effort by facilitating access to health information resources and clinical tools and by training evidence-based practice mentors and nurse residents. Janene Batten is a member of the Coordinating Council, which oversees the shared governance structure and ensures that practice changes begin with the bedside nurse, and the Nursing Research Committee, which coordinates the nursing research efforts across the hospital.

PUBLIC HEALTH

Thanks to the Stanley Simbonis, M.D. Endowed Fund, the Medical Library can train early career professionals in sought-after library fields while also expanding support services for the Yale medical community. At the completion of the inaugural Simbonis Fellowship in Bioinformatics, the Medical Library decided its next Simbonis Fellow would focus on additional support for YSPH. The Simbonis Librarian for Public Health will bring needed support to the Medical Library's well-established partnership with YSPH, meeting the increased demand for research help as class sizes and programs continue to grow. This position will also bring new attention to scholarly communication projects at the intersection of public health and open access.

IMPROVING OUR WEB PRESENCE

Web Services Librarian Dana Haugh prioritizes continually evolving the Medical Library's web presence to ensure it meets the needs of its users. This year, many areas of the website were redeveloped to improve ease of use, functionality, and efficiency. Visitors to the Cushing Center website will notice an entirely new design, tailored to meet the center's unique educational needs. The new design brings the Cushing Center's collections and history into clearer focus and enables users to explore and learn about the center from anywhere in the world. Improvements were also made to the Medical Historical Library homepage, the Research Data Services minisite, the mobile apps webpage, and the main library homepage.



The new Cushing Center website homepage

CREATIVE SPENDING AND BUDGET TRANSPARENCY

The financial impact of the COVID-19 pandemic was felt in many University areas, and the library was no exception. For the fiscal year 2021, the Medical Library needed to reduce its general collection expenditure by around 10 percent. To minimize the impact on library users, Lindsay Barnett aggressively negotiated with vendors to secure better pricing on subscriptions and obtain flat rates for resources such as McGraw Hill's Access databases and Thieme's MedOne databases, which have historically had high annual inflation rates. Additionally, Lindsay secured subscriptions to electronic medical board preparation resources such as Amboss and the First Aid USMLE e-book collection. These new subscriptions provide medical students with high-quality study resources at the point of need regardless of the user's physical location.

ELECTRONIC LAB NOTEBOOK

Electronic Lab Notebooks (ELNs) enable researchers to organize and store experimental procedures, protocols, notes, and data. ELNs have clear advantages over the traditional paper notebook, such as searchability within and across notebooks, secure storage with multiple redundancies, remote access, and easy sharing among team members and collaborators. Data Librarian for the Health Sciences Sawyer Newman played an essential role in Yale's recent rollout of LabArchives, a cloud-based ELN product. She collaborated with ITS to conduct an in-depth needs assessment, product research, and usage analysis. As part of the rollout, Medical Library staff also created a LabArchives web page, which serves as the main access point for this tool at Yale. Sawyer worked with ITS to support Yale's LabArchives user community with consultation and instruction services.

ARCADIA DIGITIZATION

Taking Note of Medical Education: Exploring 16thto Early 19th-Century Medical Education Through a generous grant from the Arcadia Fund, staff from the Historical Library embarked on a project to digitize sixty-six handwritten manuscripts focused on medical education from 32 Small up Is communicated in two ways, by the natural way that is by inhabation, & by innoculation, there are 2 kinds Distinct & Confluent, both of which are produced by the same mot ter the eruption fever usually commences in about 14 days from the reception of the virus the emplion wouldy appers in sor 4 days after the fever & first appears whose the temples forehear, & face & extends over the whole body the Distinct kind begins with hight weil. hard pustules which maturet & at length form scales In the Distince kind the fever is inflammatory, in Confluent it is of the orghitois Type Treatment - as the disease in its Distinct state is inflammatory the remedies are antiphologistic, Blewing Emetics bather Nauseating doses of antermony, book air & Cold water, - in Confluent the treatment should should be precisely opposite except wool air which is proper, when a bloody serum appears in the pustales it is a fotal symptom. There is no evidence that the irease is wither when produced by Contagion from a milveen than from a molignant one. The Distinct hind is a generine inflammatory affection of the skin of a peed cer kind heefing the shin wood has a tendency to produe a mild case, Opium is sometimes useful

Page on smallpox from Richard Warner's notebook on Dr. Nathan Smith's lecture, 1818–19

the sixteenth through early nineteenth century. This new collection features student notes of medical lectures by men such as William Hunter (1718–1783), physician and man-midwife to Queen Charlotte, and William Cullen (1710–1790), one of the leading medical faculty members at the University of Edinburgh. Notebooks describing patient cases, diaries documenting popular medical literature, and student projects are also included.

Some of the earliest Medical Institution of Yale College (now Yale School of Medicine) student notebooks are now freely available online. For example, Richard Warner's digitized notebook details a lecture given by Dr. Nathan Smith, the first Chair of Surgery, on the theory and practice of "physic" and surgery. The entire collection is available through Internet Archive, along with other Arcadia-funded projects, including incunables, medieval and Renaissance medical and scientific manuscripts, Yale medical school theses, and early Arabic and Persian books and manuscripts.

Library Receives Prestigious National Award for Research Advancement

In March 2021 the Medical Library Association selected the Cushing/Whitney Medical Library for the 2021 Research Advancement in Health Sciences Librarianship Award. The award recognizes the multiple ways our library staff have created a culture of research that "contributes significantly to clinical, educational, research, or administrative outcomes in their institutions."

Throughout our history we've kept pace with rapid and persistent change in the biomedical and health sciences fields. Medical library staff work strategically to influence research and scholarship advancement at the Yale Schools of Medicine, Nursing, and Public Health and at Yale New Haven Hospital. We established one of the earliest library liaison programs in the country, pairing a librarian with every department to provide specialized support. In addition, we developed the "personal librarian" program for health sciences students and established medical librarians as thesis topic consultants, research collaborators, and scholarly communication advisers. Our professional staff provide methodological expertise to support research projects at both the University and the hospital, and our clerical and technical staff assist with obtaining full-text articles. As the

long list of co-authored articles in the Publications & Presentations section of this report indicates, our medical librarians are recognized as invaluable partners in research across the academic and clinical missions. Overall, thirty-seven staff members support the research needs of a clinical and educational enterprise of 20,000 employees.

The Medical Library shared this year's award with the University of Texas MD Anderson Cancer Center Research Medical Library.

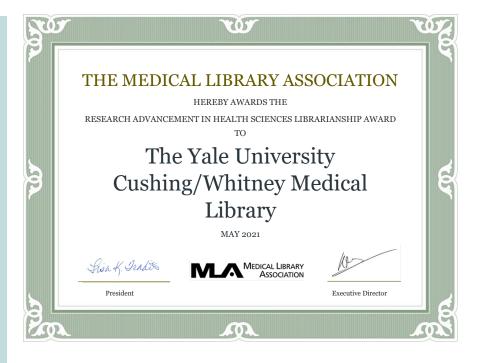
PROFESSIONAL DEVELOPMENT THROUGH RESEARCH AND EDUCATION

In addition to consulting and collaborating on a wide range of research and evidence synthesis projects throughout the medical center, many of our librarians have been continuing their education through research training and degree programs.

Research and Education Librarian for Public Health Kate Nyhan and Clinical Research and Education Librarian Alyssa Grimshaw completed a two-year postgraduate Inter-professional Informationist Certificate, sponsored by the Institute of Museum and Library Services (IMLS). Kate's capstone project was "Return on investment of the Framingham Heart Study: Methods

"This tremendous achievement recognizes the outstanding work of the Medical Library staff. The need for their expert, timely research support has never been greater. The Medical Library is a center of excellence for both the Yale medical community and Yale University Library."

Barbara Rockenbach, Stephen F. Gates '68
 University Librarian, Yale University Library





Medical Library staff members (not pictured: Tom Falco, Kelly Perry, and Jeannette Ponzio)

and analysis." Alyssa worked with Pfizer to analyze literature about muscular dystrophy.

Academic Research and Education Librarian Caitlin Meyer completed a yearlong Medical Library Association-sponsored Research Training Institute program. Caitlin analyzed sixty-two library schools' course catalogs to assess if the library science curricula meet requirements of academic librarian job postings.

Research and Education Librarian for Nursing Janene Batten was awarded a Doctor of Education in Organizational Change and Leadership (Ed.D.) from the University of Southern California Rossier School of Education. Janene's dissertation is titled, "Achieving the educational mission: Are Connecticut school nurses valued?"

"Librarians provide the glue that makes evidence-based-practice projects stick. Librarians up our game when it comes to all things literature—finding it, evaluating it, and using it to improve practice."

Kelly Nicholson, Ph.D., M.P.H., R.N., NPD-BC,
 NEA-BC, Nurse Residency Program Coordinator
 at Yale New Haven Hospital

Exhibitions



LAUNCHED FEBRUARY 2021

Materiality, Fragility, and Loss in the Medical Archive (online)

The exhibition was curated by Anabelle Gambert-Jouan, a doctoral candidate in the Department of the History of Art, and supported by a Graduate Professional Experience Fellowship from the Graduate School of Arts and Sciences. It provided the Historical Library an opportunity to highlight rarely seen photographs, books, and other medical artifacts.

An example of imaging techniques used to help date the various parts of a manuscript with more certainty

JANUARY-DECEMBER 2021

Selection of COVID-19 Health Posters

A selection of COVID-19 posters from the Viral Art
Project, CDC, and other sources was displayed in
the Cushing Rotunda, colorfully supporting public
health measures in the Yale community.

One of the posters featured in the Medical Library Rotunda exhibition – Brian Robertson's *Thank You*, part of the Viral Art Project



Library Supporters and Friends

DONORS

Gifts of \$250 or more Henry E. Jacobs Arthur F. Jones Irwin M. Braverman Pramita E. Kuruvilla Nancy J. Brown Dean & Gabriella Burget Linda L. Maerz Michael E. Carey Robert Marcus Charles Coffin Memorial Betty J. Oseid Fund Seth M. Powsner Jean B. Cooper Seth A. Rosenthal Robert B. Diasio Gilbert B. Solitare The Fidelity Charitable Yung H. Son Lauren T. Spiliotes Gift Fund Shepard B. Stone Joseph S. Freeman Michael F. Freshwater Karl G. Wagner Aron D. Wahrman Ira H. Gewolb John S. Hughes Edward D. Wang

MAJOR GIFTS

Burns Fellowship Endowment

In March 2020 the Historical Library dramatically expanded its holdings of visual materials with the acquisition of the Stanley B. Burns, M.D. Historic Medical Photography Collection. The collection includes over 15,000 images documenting medical science and the practice of medicine from the 1840s through the 1970s, many of which were created or collected by noted physicians



Dr. Burns showing Archivist Katherine Isham some of his personal papers *Photo: Terry Dagradi*

and medical practitioners. In fall 2020 Dr. Burns endowed a library fellowship to support research in the collection and related holdings in the Historical Library. He additionally gifted the Historical Library his papers related to the collection, which will help researchers explore the roots and development of this important archive of historic medical photography.

Elias S. Cohen Collection

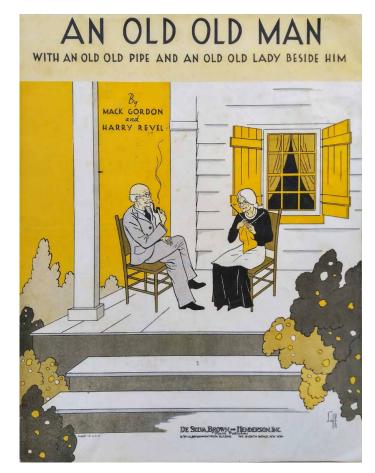
In December 2020 the Historical Library received the Elias S. Cohen Collection of Sheet Music and Cartoons on Aging, a gift from the Cohen family. The collection was created by Elias S. Cohen (1927–2020), lawyer and public advocate for the elderly and the disabled, who served as Pennsylvania's first Commissioner on Aging. The collection contains approximately 2,500 pieces of sheet music circa 1799 to 1990 and approximately 50 cartoons circa 1970–90.

\$100,000 Gift Funds Processing Archivist for the Gary C. Burget Papers

In early 2021 the Historical Library received a \$100,000 gift to fund a processing archivist for the Gary C. Burget Papers. The gift, from Dean E. Burget, M.D., and Gabriella M. Burget, honors the memory of Dr. Gary Burget (1941–2017), who donated papers related to his plastic surgery practice for inclusion in the Yale Archives of Plastic Surgery. Burget, a plastic surgeon specializing in facial and nasal reconstruction, graduated from Yale School of Medicine in 1967. His publications include Aesthetic Reconstruction of the Nose, coauthored with Frederick J. Menick, and Aesthetic Reconstruction of the Child's Nose.

Joseph S. Freeman '66 Cushing/Whitney Medical Library Endowed Fund for Diabetes Research

Thanks to the tremendous generosity of Joseph S. Freeman, Yale Class of '66, the Medical Library established a \$100,000 fund to support the ongoing acquisition of diabetes-related research. The fund furthers the Medical Library's ability to maintain and update diabetes-related resources and license and collect in areas such as inflammation, endocrinology, consumer health, and patient education.



"An Old Old Man with an Old Old Pipe and an Old Old Lady Beside Him" (1933), from the Elias S. Cohen Collection of Sheet Music and Cartoons on Aging

ADDITIONAL GIFTS

Bert Hansen, Ph.D., donated five boxes of medical ephemera to the Historical Library this year, adding to the Bert Hansen collection of medicine and public health in popular graphic art.

Jessica Helfand, from the William Helfand estate Dr. Matthew J. Kim ('91) Elizabeth MacDonald Peter B. Moore, Ph.D. Dorothy Helaine Patterson The Sally H. Pullman Family G. Stewart Young

DONATIONS TO THE GENERAL COLLECTION

Klatskin Library, Yale School of Medicine Section of Digestive Diseases

Dr. John Leventhal, Professor Emeritus of Pediatrics (General Pediatrics)

Dr. J. Lance Lichtor

MEDICAL LIBRARY ASSOCIATES

For the 2021 Annual Lecture of the Associates of the Cushing/Whitney Medical Library, the Associates welcomed the Chair of the Department of Surgery at Yale School of Medicine and Chief of Surgery at Yale New Haven Hospital Nita Ahuja, M.D., M.B.A., FACS, as the speaker. Dr. Ahuja presented on the topic "Epigenetic Health: Rethinking Aging and Cancer."

Through the generosity of our Associates, the Cushing/Whitney Medical Library provides essential support for biomedical education, research, and patient care. We encourage you to consider supporting these invaluable and comprehensive resources by becoming a member of the Medical Library Associates. To make a gift or learn more about becoming a Medical Library Associate, please visit our website or contact Recording Secretary and Senior Administrative Assistant Victoria Helwig. All gifts are tax-deductible.



"The Medical Library is, in a sense, what drew me to Yale...not only as a remarkable treasure-trove of stories and artifacts, but as a physical representation of the mission that makes Yale so special. It's the ultimate bridge—where history and tradition can inspire discovery and innovation, and motivate each of us to take an active role at contributing to the narrative that is 'How can we make the world better?'"

– Nita Ahuja, M.D., M.B.A., FACS, Professor and Chair of Surgery (YSM) and Chief of Surgery (YNHH); invited speaker, 2021 Medical Library Associates Annual Lecture

Staff Highlights

LONG SERVICE AWARDS

This year we're celebrating a combined 200 years of service!

55 years – Jeannette Ponzio

35 years – Vermetha Polite

30 years – Alla Mashkautsan

25 years – Holly Grossetta Nardini

15 years – Melissa Funaro, Mary Hughes

10 years – Khadija El-Hazimy, Melanie Norton

5 years - Kate Nyhan

NEW STAFF

This year the Medical Library welcomed Zsuzsanna Nemeth as the Head of Clinical Research and Education. Zsuzsa leads a team of librarians dedicated to supporting clinical departments at Yale New Haven Hospital. She came from the University of Miami, where she had a similar role. In addition, Zsuzsa worked at the VA Medical Center in Miami as a health information and research librarian and as a clinical research coordinator in the Department of Neurological Surgery at the University of Miami.



Zsuzsanna Nemeth

PUBLICATIONS

The evidence synthesis and comprehensive searching projects would not be possible without a team of dedicated support staff who facilitate article retrieval and citation management: Vermetha Polite, Vasean Daniels, Khadija El-Hazimy, Aletia Garvey, Pamela Gibson, Mary Hughes, Dorota Peglow, and Lisa Sanders.

Janene Batten

- "A systematic review of the association between sleep health and stress biomarkers in children." *Sleep Medicine Reviews.* 2021. 59(101494). With Ordway MR, Condon EM, Ibrahim BB, Abel EA, Funaro MC, Sadler LS, Redeker NS.
- "Ecological momentary assessment for health behaviors and contextual factors in persons with diabetes: a systematic review." *Diabetes Research and Clinical Practice.* 2021. 174, Article 108745. With Nam S, Griggs S, Ash GI, Dunton GF, Huang S, Parekh N, Whittemore R.
- "Family caregiver support of patient self-management during chronic, life-limiting illness: a qualitative metasynthesis." *Journal of Family Nursing.* 2021. 27(1): 55–72. With Schulman-Green D, Feder SL, Dionne-Odom JN, En Long VJ, Harris Y, Wilpers A, Wong T, Whittemore R.
- "The parental journey of fetal care: a systematic review and metasynthesis." American Journal of Obstetrics & Gynecology. 2021. 3(3): 100320. With Wilpers A, Bahtiyar MO, Stitelman D, Calix RX, Chase V, Yung N, Maassel N, Novick G.

Alexandria Brackett

"Asian American Pacific Islander representation in outcomes research: NSQIP scoping review." *Journal of the American College of Surgeons.* 2021. With Chao GF, Emlaw J, Chiu AS, Yang J, Thumma J, Pei KY.

- "The association between prescribed opioid receipt and community-acquired pneumonia in adults: a systematic review and meta-analysis." *Journal of General Internal Medicine*. 2020. 35(11): 3315–3322. With Steffens C, Sung M, Bastian LA, Edelman EJ, Gunderson CG.
- "Classification and differential effectiveness of goal-directed hemodynamic therapies in surgical patients: a network meta-analysis of randomized controlled trials." *Journal of Critical Care.* 2021. 61: 152–161. With Zhao X, Tian L, Dai F, Xu J, Meng L.
- "Executive summary from American Radium Society's appropriate use criteria on neurocognition after stereotactic radiosurgery for multiple brain metastases." *Neuro-Oncology*. 2020. 22(12): 1728–1741. With Milano MT, Chiang VLS, Soltys SG, Wang TJC, Lo SS, Nagpal S, Chao S, Garg AK, Jabbari S, Halasz LM, Gephart MH, Knisely JPS, Sahgal A, Chang EL.
- "Factors affecting posterior glottic stenosis surgery outcomes: systematic review and meta-analysis." *Annals of Otology, Rhinology & Laryngology.* 2021. With Kremer C, Jiang R, Singh A, Sukys J, Kohli N.
- "Hemodynamic management and surgical site infection: network meta-analysis of randomized controlled trials." *Journal of Clinical Anesthesia*. 2020. 67: 110021. With Zhao X, Zhang L, Dai F, Xu J, Meng L.
- "Mortality risk associated with venous thromboembolism: a systematic review and Bayesian meta-analysis." *Lancet Haematology.* 2020. 7(8): e583–e593. With Klemen ND, Feingold PL, Hashimoto B, Wang M, Kleyman S, Gross CP, Pei KY.
- "Outcomes after thrombectomy for minor stroke: a meta-analysis." *World Neurosurgery*. 2021. 149: e1140–e1154. With Wu X, Khunte M, Payabvash S, Zhu C, Matouk CC, Gandhi D, Sanelli P, Malhotra A.
- "Safety considerations for esophageal dilation by anesthetic type: a systematic review." *American Journal of Otolaryngology.* 2021. 42(5): 103128. With Lerner MZ, Bourdillon AT, Dai F, Kohli N.

Janene Batten & Alexandria Brackett

- "Ensuring the rigor in systematic reviews: part 2, preparation is key: the question and the protocol." *Heart & Lung.* 2021. 49(6): 965–966.
- "Ensuring the rigor in systematic reviews: part 3, the value of the search." *Heart & Lung.* 2021. 50(2): 220–222.
- "Ensuring the rigor in systematic reviews: part 4, screening the results." *Heart & Lung.* 2021. 50(2): 182–184.
- "Ensuring the rigor in systematic reviews: part 5, quality appraisal, data extraction, synthesis." *Heart & Lung.* 2021. 50(5): 615–617.

Melissa Funaro

- "A systematic review of the association between sleep health and stress biomarkers in children." *Sleep Medicine Reviews.* 2021. 59(101494). With Ordway MR, Condon EM, Ibrahim BB, Abel EA, Batten J, Sadler LS, Redeker
- "A systematic review of ketamine for the treatment of depression among older adults." *The American Journal of Geriatric Psychiatry.* 2021. 29(4): S93–S96. With Farheen SA, Gupta A, Dhar R, Patadia P, Bhattacharya G, Tampi RR.
- "Absence seizures and their relationship to depression and anxiety: evidence for bidirectionality." *Epilepsia.* 2021. 62(5): 1041–1056. With Gruenbaum BF, Sandhu MRS, Bertasi RAO, Bertasi TGO, Schonwald A, Kurup A, Gruenbaum SE, Freedman IG, Blumenfeld H.
- "An evaluation of opioid use in black communities: a rapid review of the literature." *Harvard Review of Psychiatry*. 2021. 29(2): 108–130. With Jordan A, Mathis M, Haeny A, Paltin D, Ransome Y.
- "Astroglial glutamine synthetase and the pathogenesis of mesial temporal lobe epilepsy." *Frontiers in Neurology.* 2021. 12: 534. With Sandhu MRS, Gruenbaum BF, Gruenbaum SE, Dhaher R, Deshpande K, Lee T-SW, Zaveri HP, Eid T.

- "The cost of caring during recent epidemics: a rapid review of risk factors, psychological manifestations, and strategies for its treatment." *Annali dell'Istituto Superiore di Sanità*. 2021. 57(1): 1–7. With Ferrara M, Vacca F, Kusmann F, Tedeschini E, Galeazzi GM, Scattoni ML, Starace F.
- "Hospital treatment of persons found not guilty by reason of insanity." Behavioral Sciences & the Law. 2020. 38(5): 426–440. With Kapoor R, Wasser TD, Norko MA.
- "Is there evidence for using anticonvulsants in the prevention and/or treatment of delirium among older adults?" *International Psychogeriatrics*. 2021. 29(4): 1–15. With Gupta A, Joshi P, Bhattacharya G, Lehman M, Tampi DJ, Tampi RR.
- "The role of social network support in treatment outcomes for medication for opioid use disorder: a systematic review." *Journal of Substance Abuse Treatment.* 2021. 127(108367). With Kumar N, Oles W, Howell BA, Janmohamed K, Lee ST, O'Connor PG, Alexander M.

John Gallagher

"Why are they not accessing it? User barriers to clinical information access." *Journal of the Medical Library Association*. 2021. 109(1): 126–132. With Laera E, Gutzman K, Spencer A, Beyer C, Bolore S, Pidgeon S, Rodriguez R.

Rolando Garcia-Milian

- "Identification of dose-dependent DNA damage and repair responses from subchronic exposure to 1,4-dioxane in mice using a systems analysis approach." *Toxicological Sciences*. 2021. With Charkoftaki G, Golla JP, Santos-Neto A, Orlicky DJ, Chen Y, Rattray NJW, Cai Y, Wang Y, Shern CT, Mironova V, Wang Y, Johnson CH, Thompson DC, Vasiliou V.
- "In silico exploration of the potential role of acetaminophen and pesticides in the etiology of autism spectrum disorder." *Toxics.* 2021. 9(5): 97. With Furnary T, Liew Z, Whirledge S, Vasiliou V.

"Individual-oocyte transcriptomic analysis shows that genotoxic chemotherapy depletes human primordial follicle reserve in vivo by triggering proapoptotic pathways without growth activation." *Scientific Reports.* 2021. 11(1): 407. With Titus S, Szymanska KJ, Musul B, Turan V, Taylan E, Mehta S, Oktay K.

Melissa Grafe

- "Support services at Yale University for teaching with primary sources: an exploration of instructor rationales and needs." *Library Staff Publications, EliScholar.* 2020. With Hirsch D, Landis B, Powell S.
- "Treating the digital disease: the role of digital and physical primary sources in undergraduate teaching." *RBM: A Journal of Rare Books, Manuscripts, and Cultural Heritage.* 2021. 22(1): 25–32.

Alyssa Grimshaw

- "Aging with HIV in Latin America and the Caribbean: a systematic review." *Current HIV/AIDS Reports.* 2021. 18(1): 1–47. With Cabrera DM, Diaz MM, Salvartierra J, Garcia P, Hsieh E.
- "Debt, incarceration, and re-entry: a scoping review." *American Journal of Criminal Justice.* 2020. With Harper A, Ginapp C, Bardelli T, Justen M, Mohamedali A, Thomas I, Puglisi L.
- "Effect of institutional transcatheter aortic valve replacement volume on mortality: a systematic review and meta-analysis." *Catheterization & Cardiovascular Interventions.* 2021. With Kir K, Shapero K, Chatterjee S, Oddleifson A, Spatz ES, Goldsweig AM, Desai NR.
- "Evaluation of daratumumab for the treatment of multiple myeloma in patients with high-risk cytogenetic factors: a systematic review and meta-analysis." *JAMA Oncology.* 2020. 6(11): 1759–1765. With Giri S, Bal S, Godby K, Kharel P, Djulbegovic B, Dimopoulos M, Facon T, Usmani SZ, Mateos MV, Costa LI.

- "The evolution of colonic mucosa use in urethral reconstruction." *Urology*. 2021. 149: 21–23. With Pagura EJ, Kirschenbaum A, Zinman LN, Vanni AJ, Cavallo JA.
- "The evolving focus on surgeon pregnancy by the medical community." *Journal of Urology.* 2020. 203(Supplement 4): e293. With Casilla-Lennon M, Cavallo J.
- "ID: 3526872 Diagnostic yield of endosonographic characterization of asymptomatic biliary dilation: a systematic review and metanalysis." *Gastrointestinal Endoscopy.* 2021. 93(6 Supplement): AB256–AB257. With Chhoda A, Dawod SM, Mahadev S.
- "The impact of medications for opioid use disorder on Hepatitis C incidence among incarcerated persons: a systematic review." *Infectious Disease Clinics of North America*. 2020. 34(3): 559–584. With Seval N, Wurcel A, Gunderson C, Springer S.
- "Management of chronic noncommunicable diseases after natural disasters in the Caribbean: a scoping review." Health Affairs. 2020. 39: 2136–2143. With Hassan S, Nguyen M, Buchanan M, Adams OP, Hassell T, et al.
- "Mapping the scientific literature on reproductive health among transgender and gender diverse people: a scoping review." Sexual & Reproductive Health Matters. 2021. 29(1): 1886395. With Agenor M, Murchison GR, Najarro J, Cottrill AA, Janiak E, Gordon AR, Charlton BM.
- "Non-steroidal treatment of cardiac sarcoidosis: a systematic review." *IJC Heart & Vasculature*. 2021. 34. With Gallegos C, Oikonomou EK, Gulati M, Young BD, Miller EJ.
- "Prediction of outcomes after acute kidney injury in hospitalised patients: protocol for a systematic review." *BMJ Open.* 2020. 10: e042035. With Arora T, Martin M, Mansour S, Wilson F.

"Vertical transmission of COVID-19: a systematic review and meta-analysis." *American Journal of Obstetrics and Gynecology.* 2020. 224(1): 35–53. With Kotlyar A, Grechukhina O, Chen A, Popkhadze S, Tal O, Taylor HS, Tal R.

Dana Haugh

- "Communicating with medical library users during COVID-19." *Journal of the Medical Library Association*. 2021. 109(1): 107–111.
- "Resource discovery for the twenty-first-century library: case studies and perspectives on the role of IT in user engagement and empowerment." (Book Review). *Journal of the Medical Library Association*. 2021. 109(1): 157–158.

Caitlin Meyer

- "Evaluation of trials comparing singleenantiomer drugs to their racemic precursors: a systematic review." *JAMA Network Open.* 4(5): e215731. With Long A, Zhang A, Egilman A, Ross J, Wallach J.
- "More than an internship: a student-led learning community for instructional design." (Book Chapter). In Engaging Students through Campus Libraries: High-Impact Learning Models. Ed. Schaub B and McClure H. 2020. With Pierre J, Harper T, Ravaei K, Worsham D.

Holly Grossetta Nardini & Kate Nyhan

"Evidence synthesis papers would benefit from segmented peer review." *Translational Oncology.* 2021. 14(5): 101060.

Sawyer Newman

"Special issue: 2020 research data access and preservation summit." *Journal* of eScience Librarianship. 2021. 10(1): e1197. With Mannheimer S, Coates HL, Rinehart A.

Melanie Norton

"Cannabis in medicine: an evidence-based approach." (Book Review). *Journal of the Medical Library Association*.
2021. 109(2): 345.

"Racial, gender, sexual, and disability identities of the *Journal of the Medical Library Association*'s editorial board, reviewers, and authors." *Journal of the Medical Library Association*. 2021. 109(2): 167–173. With Akers KG, Pionke JJ, Aaronson EM, Chambers T, Cyrus JW, Eldermire ERB.

Judy Spak

- "Intergenerational trauma in Latinxs: a scoping review." *Social Science & Medicine*. 2021. 270(113662). With Cerdeña JP, Rivera LM.
- "Relationship-centered care in the physician-patient interaction: improving your understanding of metacognitive interventions." *Cutis.* 2021. 107(6): 320–324. With Ko CJ, Kim R, Fortin AHT, Hafler JP.

PRESENTATIONS

2021

Medical Library Association (MLA) Annual Meeting (Virtual)

Barnett L, McLellan A. "An analysis of publisher DEI policies."

Barnett L, Hickner A, Johnson C, Kane M, Phetteplace E, Spencer A. "The great disconnect: challenges of getting users to full text."

Meyer C. "Teaching the teachers: comparing MLIs curricula to entry-level job descriptions." (Poster).

Additional Presentations (Virtual)

Batten J, Nardini HG, Nyhan K.

"Editors and authors benefit from librarian involvement in peer review." (Poster). INANE '21.

Grafe M. "Special collections: innovations in a time of crisis: an overview of teaching during the pandemic at the Medical Historical Library." Yale University Library Standing Committee on Professional Awareness.

Haugh D. "The Cushing Center: creating a website for a public museum located inside a private academic library." Designing for Digital Conference.

Haugh D. "Yale stock photo banks."
Yale University Library Standing
Committee on Professional Awareness
Forum.

Lee M, Brackett A, Brim W, Aboian M, Johnson M. "Endovascular devices for the treatment of intracranial aneurysms and post procedure imaging." 59th Annual Meeting of the ASNR.

Zhou EK, Shen LL, Ahluwalia A, Khetpal S, Sun M, Yusuf R, Nardini HG, Pointdujour-Lim R, Del Priore LV. "The natural history of choroidal melanoma: a systematic review and meta-analysis." ARVO Annual Meeting.

2020

North Atlantic Health Science Libraries Annual Meeting (Virtual)

Brackett A, Polite V. "Summiting together! Developing an internal conference to reflect, revise, and reconstruct an existing service."

Brombosz C, Meyer C, Spak J.

"Evidence-based practice skills ondemand: the creation of a 2-week elective in response to COVID-19." (Poster).

Brombosz C, Grimshaw A, Haugh D.

"The kitchen table: a reference desk for a global pandemic." (Poster).

Haugh D. "The library communication plan."

Nyhan K, Brackett A, Grimshaw A, Nardini HG. "Protocols for scoping reviews: insights into dissemination patterns."

Additional Presentations (Virtual)

Anueyiagu C, Batten J, Bennett C, Boylan-Elman M, Bronsord J, Grasso L. "To fall or not to fall." 24th Annual Nursing Research & Evidence-Based Practice Conference.

Brombosz C, Houk K. "The library in focus: active orientations for future physicians." Paper Presentation.
Medical Library Association Annual Meeting.

Garino A, Min EA, Wang L. "Publish or perish: a cross-sectional, bibliometric analysis of PA faculty publications." PAEA Annual Education Forum.

Grafe M. "Digging into digital: finding freely available resources online." Yale University Library Reference, Instruction, and Outreach Forum.

Grafe M. "Fear of the digital disease: digital surrogacy and materiality in a COVID-19 world." Keynote lecture. Philadelphia Area Consortium of Special Collections Libraries Conference.

Haugh D. "Omeka + design: themes." Yale University Library Online Exhibitions Forum.

ACKNOWLEDGMENTS

Alexandria Brackett in *The Western Journal of Emergency Medicine*. "Implementation of a physician assistant emergency medicine residency within a physician residency" by Alina Tsyrulnik, Katja Goldflam, Ryan Coughlin, Ambrose H. Wong, Jessica M. Ray, Jessica Bod, Sharon Chekijian, and David Della-Giustina.

Alexandria Brackett in PM&R.

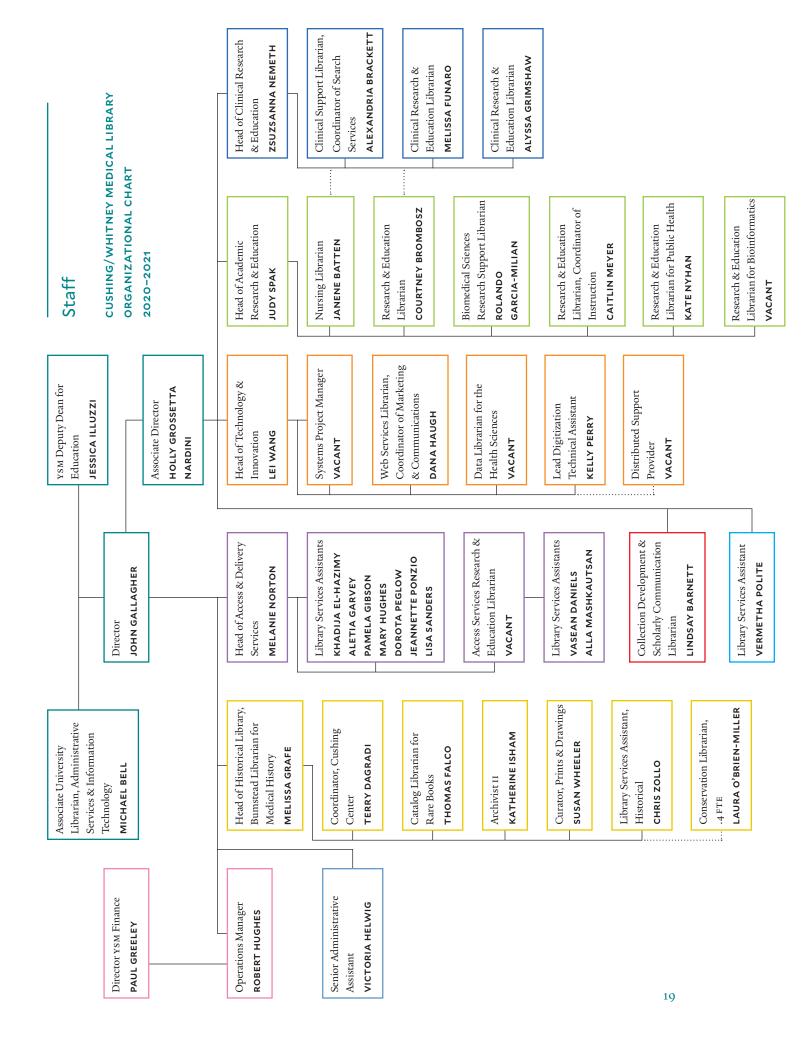
"Disparities in health care for black patients in physical medicine and rehabilitation in the United States: a narrative review" by Charles A. Odonkor, Rachel Esparza, Laura E. Flores, Monica Verduzco-Gutierrez, Miguel X. Escalon, Ryan Solinsky, and Julie K. Silver.

Vasean Daniels in *Diabetes Research & Clinical Practice*. "Ecological momentary assessment for health behaviors and contextual factors in persons with diabetes: a systematic review" by Soohyun Nam, Stephanie Griggs, Garrett I. Ash, Genevieve F. Dunton, Shuyuan Huang, Janene Batten, Niyati Parekh, and Robin Whittemore.

Rolando Garcia-Milian in PLOS Genetics. "Paired Box 9 (PAX9), the RNA polymerase II transcription factor, regulates human ribosome biogenesis and craniofacial development" by Katherine I. Farley-Barnes, Engin Deniz, Maya M. Overton, Mustafa K. Khokha, and Susan J. Baserga.

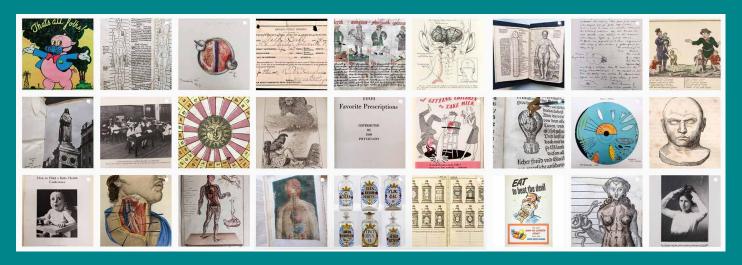
Melissa Grafe in An organ of murder: crime, violence, and phrenology in nineteenth-century America by Courtney Thompson, Ph.D. Melissa Grafe in *The Journal of Medical Humanities*. "Services not mausoleums': race, politics, and the concept of community in American medicine (1963–1970)" by Zoe M. Adams and Naomi Rogers.

Vermetha Polite in Sleep Medicine Reviews. "A systematic review of the association between sleep health and stress biomarkers in children" by Monica R. Ordway, Eileen M. Condon, Bridget Basile Ibrahim, Emily A. Abel, Melissa C. Funaro, Janene Batten, Lois S. Sadler, and Nancy S. Redeker.



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