BECKER Medical Library

Delivering knowledge, informing decisions

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What the Library Offers

• **Space**
  – Quiet reflection
  – Group activities
  – Computers

• **Information**
  – Book & Journals
  – Databases

• **Assistance**
  – Bioinformaticists
  – Scholarly Communications Specialist
  – Clinical and Public Health Librarians
  – Archivist and Rare Book Librarian
Health Information Resources

Translational Research Support

Collection Management
• Content acquisition and licensing
• Maintenance of online catalog
• Archives of Medical School, Barnes-Jewish Hospital, and St. Louis Children’s Hospital
• Rare book collections – Ophthalmology, Neurology, Dentistry, Paracelsus
Health Information Resources

- Clinical Librarians
- Interlibrary Loan
- Circulation and Information Services Desk

- Evidence Based Medicine
- Rothschild Library and St. Louis Children’s Hospital Library
- Systematic Reviews
- Traditional Reference Services
- Bibliographic Management Tools (e.g. EndNote)
Translational Research Support

- Bioinformaticists
- Public Health Librarian
- Scholarly Communications Specialist
- Consumer Health Librarian
- Web Developer

- Assistance with NCBI resources
- Genetic software tools, training, and support
- Research impact assessment
- NCBI Public Access policy support
- St. Louis Children’s Hospital Family Resource Center
- Community health outreach support
- Library web page and proxy server
• Strategic Directions
• Bioinformatics Support
• Open Access publishing trends
• NIH Public Access policy
• Research Pod and Site Licensed Software
• OpenHelix and Safari Books
• Tools for Authors
• Assessing Research Impact
• DigitalCommons @ Becker
• BeckerGuides and Blogs
Strategic Directions

- Improve delivery of clinical information at the point of decision making
- Enhance biomedical informatics support
- Improve health literacy in the community through partnerships
- Expand support for authors and focus on measuring research impact
- Strengthen efforts to preserve the heritage of WUSM
- Create services to support collaborative science
- Help researchers share their data
Kristi Holmes, Ph.D. in Biochemistry, is a member of the Institute of Clinical and Translational Sciences (ICTS), the ICTS Tracking and Evaluation team, and the Leadership Committee for the Center for Biomedical Informatics at Washington University. Other work within the ICTS includes development and delivery of education and information support for genomic medicine initiatives at the institution. She is a member of the Scientific Advisory Board for the journal Science Translational Medicine and a member of the Outreach Steering Committee for the Open Researcher and Contributor ID (ORCID) effort. She is a member of the leadership team for the Semantic Web-based discovery platform VIVO, and serves as the Director of Outreach for the project.

Marcy Vana received her Ph.D. in Immunology and Microbial Pathogenesis from Northwestern University and did postdoctoral training in the Departments of Medicine and Microbiology and Immunology at Stanford University. Prior to joining Becker Library, Marcy worked as a Content QC Scientist at Ingenuity Systems.
Open Access Publishing Trends

- Open Access vs. Public Access
- WU’s Open Access Resolution
- Gold vs. Green open access publishing
  - Green: aka self archiving, publishing final peer reviewed manuscript in a central repository
  - Gold: publish in open access journal – may include paying OA fee
- Office of Science and Technology Policy directive of February 22, 2013
- Fair Access to Science and Technology Research Act (FASTR) – proposed legislation

https://becker.wustl.edu/classes-consulting/specialized-expertise/research-publishing-support
NIH Public Access Policy

- Any peer reviewed publication resulting from NIH funded research must be deposited in Pubmed Central
- Requirement since 2008
- For non-competing continuation grant awards with a start date of July 1, 2013 or beyond the NIH will delay processing if applicable works are not in compliance with the public access policy
- Working closely with Research Office to help faculty members comply with the NIH PA Policy
- Cathy Sarli (sarlic@wustl.edu)
- Extensive resources on Becker Medical Library website
Software Resources

- GeneGo MetaCore ($500/year)
- CDCC - Cambridge Structural Database
- JMP Genomics (free)
- Lasergene Core Suite ($1,200 per lab, then $350 yearly)
- Partek Genomics Suite ($1,500/year per lab)
- Reaxys
- SAS, SPSS, STATA
- Maple, Mathematica, MATLAB
- GraphPad Prism
- Adobe Creative Suite
Online Training

• OpenHelix tutorials cover many types of resources including protein databases, bioinformatics analysis tools, model organism databases, SNP databases, comparative genomics, pathway and interaction resources and much more. http://www.openhelix.com/

• Safari Tech Books Online is a collection of over 12,000 full-text electronic books on computing, databases, networking, operating systems, programming, software engineering, .NET, Cisco products, web design, Java, XML and more. http://proquest.safaribooksonline.com/

• NCBI Discovery Workshop (October 2012)
Tools for Authors

- [http://beckerguides.wustl.edu/authors](http://beckerguides.wustl.edu/authors)
- Preparing for Publication
- How to Retain Your Rights
- Creative Common Licenses
- Who is Citing Your Work?
- Research Impact and Enhancing Your Impact
- Publication Metrics / h-Index
- Establishing Your Author Name – ORCID, ResearcherID, and Author Identifier
• [https://becker.wustl.edu/impact-assessment](https://becker.wustl.edu/impact-assessment)

• Becker Medical Library’s model for assessment of research impact provides a framework for tracking diffusion of research outputs and activities to locate indicators that demonstrate evidence of biomedical research impact

• The website provides
  – Guidance for quantifying and documenting research impact
  – Resources for locating evidence of research impact
  – Strategies for enhancing research impact
DigitalCommons@Becker

- [http://digitalcommons.wustl.edu/](http://digitalcommons.wustl.edu/)
- Digital Commons@Becker is a digital repository for hosting the scholarly work created at Washington University School of Medicine and enhancing its visibility and accessibility to scholars, researchers, and the public.
- More than 3,500 items with 150,000+ full text downloads to date
- Sample of existing collections:
  - Human and Mouse linked Evaluation of Tumors (HAMLET) [under construction]
  - ICTS Faculty Publications
  - WUSM Open Access Works
  - Human Research Protection Office Collections
  - Program in Audiology and Communication Sciences Independent Studies and Capstones
  - Outlook Magazine (1964 to present)
BeckerGuides & Blogs

- [http://beckerguides.wustl.edu/](http://beckerguides.wustl.edu/)
- A collection of resources authored and maintained by Becker staff members. Topics include:
  - Finding Images
  - Mobile Medicine Resources
  - Audiology and Deaf Education
  - Manuscript Preparation
  - Community Engagement
  - E-Books Tips and Hints
  - Systematic Reviews
  - Consumer Health
- Becker Medical Library Blogs ([http://beckerinfo.net/](http://beckerinfo.net/))
  - Bioinformatics@Becker
  - Scholarly Communications Update
Electronic Books
Making the library available wherever you are

E-Books
becker.wustl.edu/ebooks

Over 19,600 ebooks available from more than 20 collections, now including AccessSurgery™ and AccessPhysiotherapy™

Popular Resources
- AccessMedicine
- Clinical Pharmacology
- CINAHL Plus (EBSCO)
- embase
- Interlibrary Loan
- ISI Web of Knowledge

Did You Know...
The library offers a membership program for individuals not affiliated with Washington University.

Discover Becker
- Bioinformatics
- Archives & Rare Books
- Clinical Support
- Publishing Support

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