As Biosciences & Bioinformatics Librarian, I apply my research background to support basic science research at the Feinberg School of Medicine. A former lab technician with almost 20 years of bench experience, I understand the process of scientific research and publication.

I have also received specialized training and education in computational biology and bioinformatics. I provide assistance with molecular biology, genetics, bioinformatics and science information tools.

I also serve as the NIH Public Access Compliance Reporter for Northwestern University. Contact me with any questions regarding PMCIDs for your NIH-funded manuscripts.

Contact me to set up training and education for your staff, faculty and graduate students in your department, center or laboratory.

Bioinformatics and Data Management Support and Collaboration

I also partner with basic sciences faculty and researchers to provide timely access to relevant data and literature resources.

Services include:

- Visiting departments to alert users of new resources
- Directing users to appropriate resources
- Creating subject and program based resource guides
- Scheduling workshops by experts on the use of bioinformatics databases and other research tools

Biosciences and bioinformatics guides:

- [Genome Browsers - The Ensembl Genome Browser](link)
- [Genome Browsers - The UCSC Genome Browser](link)
- [Sequence Similarity Searching](link)
- [Gene Set Enrichment and Pathway Analysis](link)

NIH Public Access Policy Compliance

As the NIH Public Access Policy Compliance Monitor Role (PACR) for Northwestern University, I support researchers and their staff with issues regarding compliance with the NIH Public Access Policy. These issues include:

- Managing publications with MyNCBI's "My Bibliography"
- Depositing papers to PubMed Central through the NIH Manuscript Submission (NIHMS) system
- Dealing with journal publishers to request deposit of manuscripts to PubMed Central or NIHMS
- Formatting biosketches in accordance with the NIH new biosketch format and using the MyNCBI SciENcv biosketch tool

See my [Galter Library guide to the NIH Public Access Policy](link), or contact me for assistance.
As your liaison librarian, I can help you:

- search bibliographic databases (Web of Science, Scopus, MEDLINE)
- select specialized nucleic acid, protein and genome databases
- organize your citations with EndNote
- organize and prepare grant materials in a manner compliant with the NIH Public Access Mandate

Do you need help finding the pig homologue for human tau protein?
Do you need an open-source molecular modeling program?
Do you need to know how to cite GEO DataSets?
Do you need to know how and when to include the PMCID in your grant bibliographies?

I can help you with questions like these, and many more.

Publications - Manuscripts

- Clare SE, Shaw PL. “Big Data” for breast cancer: where to look and what you will find. NPJ Breast Cancer. 2016; 2: 16301. PMCID: PMC5289822
Conference Presentations

- Shaw PL. From talking dogs to personalized medicine: The weird and wonderful history of inheritance and pharmacogenomics from pups to people. Medical Library Association annual conference. Austin, TX. May 2015.

Awards


Classes Taught

- EndNote
- The Ensembl Genome Browser
- Genome Browsers - The UCSC Genome Browser
- NIH Public Access Policy and Publication Management with My NCBI
- Sequence Similarity Searching