STARTING YOUR RESEARCH
- **Online Research Guides**: On the library home page, [library.barnard.edu](http://library.barnard.edu), click on “Guides and Tutorials” or click on “Research Guide” in CourseWorks.
- **Research Help**: email or call me, or use the online chat box on the library home page.
- **Consultations**: Request a one-on-one consultation with me via email or the [Contact Us](#) page.

SCHOLARLY AND POPULAR SOURCES
Scholarly journals and books are written for specialized readership,
- by scholars or experts in a field of study, describing “cutting edge” research,
- “peer reviewed” or “refereed” by other experts as a quality control mechanism,
- have footnotes (or endnotes) and references,
- give the affiliation of the authors (university, research institution),
- in the sciences and the social sciences, each article also has an abstract.

Popular magazines are written for a general audience, and do not have the above features.

FINDING SCHOLARLY ARTICLES
More databases are listed on the Biology guide, [library.barnard.edu/find-books/guides/BIOL/BIOL](http://library.barnard.edu/find-books/guides/BIOL/BIOL)

**Google Scholar**
- This is a full text search, so you may get too many irrelevant hits.
- Using the Advanced search, you can search titles only (allintitle:), but you may not get enough hits.
- To enable eLink@ Columbia: go to Settings – Library Links.
- To show the Import into EndNote link: go to Settings – Bibliography manager
- Sample search: *crayfish neuron short term facilitation*

**Web of Science – All Databases**
- The Science Citation Index is one of the databases in the Web of Science, published by Thomson-Reuters, which also produces EndNote.
- Useful for determining how many articles have cited another article. You can sort the results by "Times Cited" to find out which articles are the most influential.
- Sample search: *crayfish neur* “short term facilitation”

**PubMed**
- A huge database published by the National Library of Medicine.
- Sample search: *crayfish neuron “short term facilitation”*
ENDNOTE

- Columbia has a subscription to EndNote (the desktop version) and EndNote Web. To download the desktop version onto your own computer, go to cuit.columbia.edu/endnote.
- See the guide on the library website at library.barnard.edu/find-books/guides/endnote.

HANDS-ON EXERCISES

Open EndNote Desktop. Go to File – New to set up a new library, and call it “Cellular Neuroscience”

1. a. Go to Google Scholar and search for crayfish “motor nerve”
   b. How many results do you find? ________________
   c. Use allintitle: to limit the search to the title only. How many results are there? ______
   d. Use the back button to go back to the previous list of results, and limit to articles from 2012 to 2017. How many results are there? __________
   e. Export two citations to EndNote.

2. a. Go to PubMed and search for crayfish AND (“motor nerve” OR “sensory nerve”)
   b. How many results do you find? ________________
   c. How many of those are review articles? __________
   d. Use the Recent Activity list to go back to the previous list of results.
   e. Export two citations to EndNote.

3. a. Go to Web of Science (All Databases) and search for crayfish AND (“motor nerve” OR “sensory nerve”). Put crayfish in the first search box and “motor nerve” OR “sensory nerve” in the second box.
   b. How many results do you find? __________
   c. How many review articles are there? __________
   d. Use Search History to go back to the previous list of results. Which author has the most articles in this list? _____________________________
   e. Export two citations to EndNote.