STARTING YOUR RESEARCH

• **Online Research Guides:** On the library home page, library.barnard.edu, click on “Guides and Tutorials” then “Subject Specific Guides.” Or click on “Research Guide” in CourseWorks.
• **Research Help:** email or call me, or use the online chat box 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 subject guide, library.barnard.edu/find-booksguides/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.
• Go to Settings – Library Links to enable eLink@ Columbia. When it is enabled, it appears when you click on “More.”
• Go to Settings – Bibliography manager to show the link to export to EndNote. When it is enabled, it appears when you click on “Cite.”
• Sample search: **crayfish neuron short term facilitation**

**PubMed**

• A huge database published by the National Library of Medicine.
• 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, so WoS and EndNote work very well together.
• 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”

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 on your computer, go to File – New to set up a new library, and call it “Cellular Neuroscience.”
• Set up an EndNote Web account at endnote.com.
• Search for the topic crayfish ("motor nerve" or "sensory nerve") in each of the following, and answer the questions:

A. Google Scholar
  a. How many results do you find? __________
  b. Use allintitle: to limit the search to the title only. How many results are there? __________
  c. Go back to the previous list of results, and limit to articles from 2010 to 2015. How many results are there? __________
  d. Export two citations to EndNote.

B. PubMed
  a. How many results do you find? __________
  b. How many review articles are there? __________
  c. Use the Recent Activity list to go back to the previous list of results.
  d. Export two citations to EndNote.

C. Web of Science – All Databases
  a. How many results do you find? __________
  b. How many review articles are there? __________
  c. Use Search History to go back to the previous list of results. Which author has the most articles in this list? ________________________________
  d. Export two citations to EndNote.

FEEDBACK FORM
Please complete the form at library.barnard.edu/instruction-feedback-LC. Thanks!