BE 20.380 Presentation Notes
Thursday, February 11, 2016, 56-614

Setup: write libguides.mit.edu/20-380 on board.
Open up Mendeley Web and log in.
Open up Mendeley desktop.

Introduction & Setup  5 min
- I’m librarian for Biological Engineering, and I’m pleased to have an opportunity to support this class.
Innovative and creative approaches to solving real problems need a foundation of content that captures the state of the art for:
- Bioscience research
- Solid understanding of the human and clinical aspects of the problem
- Access to information about markets and industries.

We’ve put together a guide with selected resources & tools that will help support your project work. Note overall organization of tabs across the top. This presentation will:
- Highlight selected resources included in the course guide.
- Feature some tools and services that will support your research and project work.
- Emphasize the human capital available to you from the libraries.

Research Literature:  5 min
This section features article databases and the libraries primary discovery tools. Assume that you’re familiar with at least some of these sources (nod?). Will not spend a lot of time here (but you need to use these for your research).

Note: no single source covers everything you’ll need. So try at least a couple of sources in your research.

▪ Scopus demo: Quorum sensing
  o refine with quenching
  o sort by relevance
  o Feature 12th article
    ▪ Quorum sensing and quorum-quenching enzymes (Review)
    ▪ Dong, Y.-H., Zhang, L.-H. 
  o Show SFX – as link to full text (subset of Full Text button)
  o Show related records searching
  o Drop selected records into Zotero
  o Circle back to original search and Click on Patents Tab

Any questions before we move on?
Clinical & Health Information Resources – 5 min
This page has three sections: Medical books, Clinical trials and Health Statistics, Ethics

Clinical trials: feature clinicaltrials.gov
Search on Quorum sensing
Retrieves 4 trials. Change topic to biofilms, then display by category. Select suitable item to preview.

Medical Books: Don’t demo, but point out resources and what you’d find there.

Ethics – If it is about people there are ethical issues and they are not simple. AMA guide is a good resource. PubMed – add ethics to any search string.

Industry & Patents 5 minutes
A BIG! Neighborhood of resources and content. Both of these go to other library guides.

Biotechnology and Pharma Industry guide

Focus on two areas:
Industry overviews: IBIS World – industry focus - Search on Biotechnology

Market Analysis –
- Frost & Sullivan – Search on Biofilms use facets to show Health Care and years and industry.
- BCC Research – Search on Quorum Sensing

Patents: Go to Patents page and point out options on where to search. A class of its own, but can consult with interested groups.

Toolkit and Services – 5 minutes

Citation and management – refer back to Zotero example early on in the session. Open Mendeley Desktop, Show folder. Show Mendeley Web (be logged in to begin) to show folder there and groups. Show how to link your web account to MIT.

Note LibX tool and discuss ILB for articles.