

9/12/2022

- Quiz 3 (30 minutes)
- Biological target presentation and report
- Searching the scientific literature
 - Databases
 - Accessing articles
 - Search strategies
 - Zotero

Biochemistry-related databases

- Google/Google Scholar
- Web of Science
- PubMed
- Others: <https://library.iit.edu/find/databases/popular>

Accessing articles

- Free
 - Open access - article is free online. Usually requires larger author payment
 - Many NIH-funded articles are available online after one year
 - Preprint servers, e.g. bioarXiv - free, but may not be peer reviewed
 - Sometimes available from authors on their websites or upon request
- Paywall
 - IIT subscribes to a selection of scientific journals, which can be accessed
 - in the library
 - online from campus
 - via a proxy server or VPN
 - Interlibrary loan (MyILL) can be used to request nearly any article, but requires a lead time

Search strategies

- Consider alternative names, e.g. coronavirus main protease and 3cl-like protease.
- Proteins from different species are usually similar
- Look at citations
 - cited by an article of interested
 - that cite the article of interest
- A research group will often work on similar proteins

Zotero

- Open source and free
- Available online and as an application
- Automatically organizes manuscript files & notes
- Allows sharing with others via group libraries
- Creates bibliographies
 - linked with MS Word and Google Docs
 - exportable to BibTeX