Literature Searching & Library Resources

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In today’s class, we will:

• Explore databases to search for published literature
• Set up research alerts and MyNCBI accounts
• Discuss how to access library resources anytime, anywhere, and on any device
• Preview citation managers
• Introduce best practices for research data management
Database Searching
Research Topics

1. Choose a topic to research

2. Assign a database to each person in your group
   - PubMed
   - ClinicalKey
   - Web of Science
   - CINAHL
   - Google Scholar

3. Start searching!

4. Compare the similarities/differences between databases
Databases
Popup Question #1

Your mentor was at a conference in Chicago October 2018 and saw a presentation about seizure management in neonates with heart disease.

Who is the first author on the abstract?
In Web of Science, search seizure management AND neonate. Limit the document types to meeting abstract. S. Massey is the first author.

Note: PubMed doesn’t contain meeting abstracts.
Popup Question #2

You notice that a physician has a copy of a systematic review from 2000 titled “Absorbable synthetic versus catgut suture material for perineal repair” on his desk.

*Does this review contain the most current data?*
Copy and paste the article title into PubMed. Note that PubMed alerts you that this review has been updated.
Popup Question #3

A fellow mentioned a recent study about high-dose chemotherapy in Ewing sarcoma. It sounded like the group had the word Euro in it’s name.

What is the name of the article?
Popup Question #3

In PubMed or Google Scholar, search chemotherapy AND euro AND ewing.

Note: In Google Scholar, limit your results to articles published after 2018.
Find 1 or 2 recent hot or highly cited papers to read before lunch.
Popup Question #4

In Web of Science search antiplatelet therapy AND coronary artery disease. Limit your results to Hot Papers in Field.

Learn more about Hot Papers.
MyNCBI

• Save searches & automatic e-mail alerts
• Recent activity searches & records for 6 months
• Display format preferencesFilter options
• Highlighting search terms
• LinkOut, document delivery service & outside tool selections
• My Bibliography & NIH public access policy compliance
• SciENcv: a researcher biosketch profile service
MyNCBI

1. Create an account
2. Turn on MCW Libraries Get It buttons
3. Set up a search alert for your mentor
Create Your Account
Turn on MCW Libraries
Get It buttons

Find Medical College of Wisconsin Libraries in the list. Check the radio button and click save.
MyNCBI Email Alerts

1. Advanced

2. Search

3. Create RSS  Create alert  Advanced
Access to library resources nytime, anywhere, on any device
MCW Libraries – 3 locations

• Todd Wehr Library – 3rd floor MEB
• Froedtert Library – 2nd Specialty Clinics
• CHW Library – Daniel M. Soref Family Resource Center

All libraries are open to the public during staffed hours.

Froedtert & Todd Wehr Libraries:
• Badge access 24/7
• Print, scan, copy
Connecting from off campus

MCW Libraries Proxy Server
Off-Campus Access via the Library’s Proxy Server

Learn how to get easier access to MCW Libraries resources using the Proxy Server Bookmarklet. Off-campus access to licensed library resources is limited to authorized users. Please see the MCW Libraries' website if you have questions about whether you are an authorized user.

Use one of the following login methods:

- **MCW Users**: Use your MCW email account (the username is everything before the @ sign) to access the proxy server.

- **All other authorized users, including CHW and FH users**: Click the silver "Login with Library Barcode or Proxy ID" button. Use your numeric library barcode OR alphanumeric username and password. If you need to set-up or reset your password, follow this link.

*(VPN Users: Close your VPN connection before using the library proxy server. Using both VPN and the proxy server at the same time will result in the inability to access most library resources from off-campus.)*

Please contact MCW Libraries for further assistance at asklib@mcw.edu or 414-955-8302. We will respond to you as quickly as possible during staffed hours.
Connecting from off campus

- **Proxy Server Bookmarklet**
  - Click to reload a webpage with a proxied URL
EndNote Overview
Features of Citation Managers

• Save, organize, share and cite references
- Free
- Content stored in the cloud

- Subscription
- Content stored locally
- More features
Organize your references
Sync EndNote libraries across computers and platforms
Search online resources within EndNote
<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Year</th>
<th>Pages</th>
<th>Journal/Secondary Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aubrecht, I.; Pallotta, M.; Giberto, G.; Palombo, F.</td>
<td>The perfect personalized cancer therapy cancer treatment on the basis of the genetic background and individual characteristics</td>
<td>2018</td>
<td>86</td>
<td></td>
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<tr>
<td>Rabott, S. E.; Kiss, A.; Doffenbaugh, A. E.; Chang, Y. H.; Hall</td>
<td>ATP hydrolysis-dependent disassembly of the 26S proteasome</td>
<td>2005</td>
<td>553-365</td>
<td>Cell</td>
</tr>
<tr>
<td>Banegas, J. R.; Vallejo, L.; de la Sierra, C.; Vinyoles, G.; Ben</td>
<td>Relationship between smoking and ambulatory blood pressure</td>
<td>2012</td>
<td>1498-84</td>
<td></td>
</tr>
<tr>
<td>Banov, A. R.; Maas, P. G.; Lewandowski, J. P.; Wolter, J.</td>
<td>A TAD boundary is preserved upon deletion of TADs</td>
<td>2018</td>
<td>1444</td>
<td></td>
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<tr>
<td>Beehler, G. P.; Novi, J.; Kivivio, M. T.; Steinbrener, L.</td>
<td>Military veteran cancer survivors' preferences</td>
<td>2017</td>
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<td>Journal of Psychosocial Oncology</td>
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<td>Journal of Psychosocial Oncology</td>
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<tr>
<td>Breg, L.; Campbell, P.; Kreimer, V.; Raikesh, N.; Sweet, D.</td>
<td>Joint statement on EPA proposed rule and public notice</td>
<td>2018</td>
<td>649-664.e10</td>
<td>Cell</td>
</tr>
<tr>
<td>Bierie, Kevin I.; Ross, Owen A.; Cormier, Jenny A.; Walzer, M.</td>
<td>Chronic traumatic encephalopathy pathology in idiopathic Parkinson's disease</td>
<td>2015</td>
<td>138-50</td>
<td>Neurology</td>
</tr>
<tr>
<td>Blackwell, J.</td>
<td>The role of PD-1 in driving effector CD8 T cell differentiation</td>
<td>2015</td>
<td>877-889</td>
<td>Neurips</td>
</tr>
</tbody>
</table>
Role of PD-1 during effector CD8 T cell differentiation


Emory Vaccine Center, Department of Microbiology and Immunology, Emory University School of Medicine, Atlanta, GA 30322; Department of Microbiology, University of Pennsylvania, Philadelphia, PA 19104; Institute for Immunology, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA 19104; Department of Cancer Immunology, Genentech, Inc., South San Francisco, CA 94080; Department of Microbiology and Immunology, Harvard Medical School, Boston, MA 02115; Evergrande Center for Immunologic Diseases, Harvard Medical School and Brigham and Women’s Hospital, Boston, MA 02115; and Department of Medical Oncology, Dana-Farber Cancer Institute and Harvard Medical School, Boston, MA 02215

Contributed by Rafi Ahmed, March 20, 2018 (sent for review October 19, 2017)

PD-1 (programmed cell death-1) is the central inhibitory receptor regulating CD8 T cell exhaustion during chronic viral infection and cancer. Interestingly, PD-1 is also expressed transiently by activated CD8 T cells during acute viral infection, but the role of PD-1 in modulating T cell effector differentiation and function is not well defined. To address this question, we examined the expression kinetics and role of PD-1 during acute lymphocytic choriomeningitis virus (LCMV) infection of mice. PD-1 was rapidly upregulated in vivo upon activation of naive virus-specific CD8 T cells within 24 h after LCMV infection and in less than 4 h after peptide injection, well before any cell division had occurred. This rapid PD-1 expression by CD8 T cells was driven predominantly by antigen receptor signaling since infection with a LCMV strain with a mutation in the CD8 T cell epitope did not result in the increase of PD-1 on CD8 T cells.

Results

PD-1 Is Rapidly Expressed After Antigen Stimulation of Naive CD8 T Cells

View and annotate PDFs


Cite While You Write

Video demo
EndNote

• Email help-rcc@mcw.edu to request a copy of EndNote

• Learn more about EndNote: https://mcw.libguides.com/EndNote
Data Sharing and Management Snafu in 3 Short Acts

https://www.youtube.com/watch?v=N2zK3sAtr-4
Use descriptive and informative file names

- Dates
- Version number
- Project name
- Type of data

From: Stanford Libraries, Research Support, Data Management Services, Data Best Practices
Choose file formats that will ensure long-term access

• Non-proprietary
• Unencrypted
• Uncompressed

From: Stanford Libraries, Research Support, Data Management Services, Data Best Practices
Track different versions of your documents

• V1_10112017
• V2_09252018
• V3_11252018

From: Stanford Libraries, Research Support, Data Management Services, Data Best Practices
Create metadata for every experiment or analysis that you run

who?
what?
when?
where?
why?
how?

From: Stanford Libraries, Research Support, Data Management Services, Data Best Practices
Handle sensitive data in an appropriate manner

- Excel
- REDCap
- Qualitrics
- Box
Data sharing promotes many goals of the NIH research endeavor. It is particularly important for unique data that cannot be readily replicated.

Data sharing allows scientists to expedite the translation of research results into knowledge, products, and procedures to improve human health.

In NIH's view, all data should be considered for data sharing. Data should be made as widely and freely available as possible while safeguarding the privacy of participants, and protecting confidential and proprietary data.
In today’s class, we:

• Explored databases to search for published literature
• Set up research alerts and MyNCBI accounts
• Discussed how to access library resources anytime, anywhere, and on any device
• Previewed citation managers
• Introduced best practices for research data management