

# Bernard Becker Medical Library

Delivering knowledge, informing decisions

**Michelle Doering, Clinical Librarian**  
**[mmdoering@wustl.edu](mailto:mmdoering@wustl.edu)**

Starting from our homepage will correctly link out to our subscriptions.

Off campus, it will prompt for your wustl key.

Most items under Suggested Resources

Washington University School of Medicine in St. Louis

Today's Hours: 7:30 am - 8:00 pm

BERNARD BECKER MEDICAL LIBRARY

RESOURCES SERVICES ARCHIVES & RARE BOOKS USING THE LIBRARY HELP

### STORYTELLING FOR SCIENTISTS: AN INTERACTIVE WORKSHOP

Thursday, Sept. 19  
11 a.m. - 1 p.m.  
Moore Auditorium

Center for Health and Science Communication

#### Upcoming Events

**4 Sep** Introductory Compute - Getting Started with Open On Demand (OOD)  
⌚ 1:00 pm - 2:30 pm

**10 Sep** Advanced protocols.io Training Session I  
⌚ 1:00 pm - 2:00 pm

#### SUGGESTED RESOURCES

A-Z Databases List	eJournals	Research Profiles
AccessMedicine	Embase	Scopus <i>Popular</i>
AccessSurgery	Firestein Health & Wellness Information Center	Subject Guides <i>Popular</i>
CINAHL Plus <i>Popular</i>	Google Scholar	UpToDate <i>Popular</i>
Clinical Portal	Library Catalog	UpToDate Lexidrug <i>Popular</i>
ClinicalKey <i>Popular</i>	NetAnatomy	visualDx
Cochrane Library	Ovid <i>Popular</i>	Web of Science
eBooks	PubMed <i>Popular</i>	

#### HOW TO

- Ask a Librarian/Specialist
- Comply with Public Access Policies
- Download Mobile Applications

becker.wustl.edu

# Visiting the library

- The library building is accessible at any time to School of Medicine students and faculty via controlled-access (medical school ID badge swipe)
- Chargers available for checkout at the service desk
- Desktop computers and non-free printing options
- Books
  - Lower level: Print Textbooks
  - Course Reserves [Request Form](#)
  - Consumer health books, mindfulness, Diversity Equity and Inclusion topics, some novels



askbecker@wustl.edu

# Face-to-Face Events

- Health and Science Communication: SciComm Journal Club: Sept. 12<sup>th</sup>, 3:00 – 4:00 pm
- Storytelling for Scientists: An Interactive Workshop: Sept. 19<sup>th</sup>, 11:00 am – 1:00 pm
- Exploring Medical History: Spotlight on East Asia: Oct. 8, 1:30 pm – 4:00 pm, ophthalmology topics
- Changing Landscapes: Reproductive Health: Past, Present, Future: Oct. 31, 8:30 am – 12:30 pm



[https://becker.wustl.edu/  
events/](https://becker.wustl.edu/events/)

# Software on the Research Pods

- ArcGIS (PCs only)
- GraphPad Prism
- JMP Pro
- Mathematica
- MATLAB
- PyMOL
- RStudio
- SAS (PCs Only)
- SPSS

## Other software

- Adobe Creative Cloud  
Apps
- EndNote



Research Pods

# Free Software

Software Title/Suite	How to Access
<a href="#">ArcGIS</a>	Free download to the WashU community via a University <a href="#">site license</a>
<a href="#">ChemOffice Professional</a>	Free download for WashU community via Olin Library licensing – <a href="#">click for details</a>
<a href="#">COMPBIO</a>	Web-based, freely available courtesy of Genome Technology Access Center (GTAC@MGI) at WashU
<a href="#">LabArchives</a>	Web-based – Sign in at <a href="#">labarchives.com</a> by selecting Washington University in St. Louis from the institution drop-down menu and logging in with your WUSTL Key username and password.
<a href="#">OpenSpecimen</a>	Web-based, freely available to WashU investigators and their labs after <a href="#">training</a>
<a href="#">Reaxys</a>	Web-based, freely available from any WashU network computer via Becker Library/Olin Library licensing
<a href="#">RStudio</a>	Open source version available at <a href="#">Rstudio</a>

# Purchase License

Software Title/Suite	How to Access
<a href="#">GraphPad Prism</a>	Purchase licenses via <a href="#">Becker Library</a>
<a href="#">Ingenuity Pathway Analysis (IPA)</a>	Web-based, purchase a license via <a href="#">Becker Library</a>
<a href="#">JMP Pro</a>	Purchase via <a href="#">WUIT Software Licensing</a>
<a href="#">Lasergene Core Suite</a>	Download, purchase licenses via <a href="#">Becker Library</a>
<a href="#">Mathematica</a>	Purchase via <a href="#">WUIT Software Licensing</a>
<a href="#">MATLAB</a>	Purchase via <a href="#">WUIT Software Licensing</a>
<a href="#">Partek Flow</a>	Web-based, purchase a license via <a href="#">Becker Library</a>
<a href="#">PyMOL</a>	Purchase a license via <a href="#">Becker Library</a>
<a href="#">SAS</a>	Purchase via <a href="#">WUIT Software Licensing</a>
<a href="#">SnapGene</a>	Download, purchase licenses via <a href="#">Becker Library</a>
<a href="#">SPSS</a>	Purchase via <a href="#">WUIT Software Licensing</a>

# Other Software

Software Title/Suite	How to Access
<a href="#">Adobe Creative Cloud Apps</a>	Purchase via <a href="#">WUIT Software Licensing</a>
<a href="#">EndNote</a>	Purchase via <a href="#">WUIT Software Licensing</a>
<a href="#">Mendeley</a>	Open source version available at <a href="#">Mendeley</a> , PDF storage limit
<a href="#">Microsoft Office</a>	<a href="#">Becker Library Research Pod</a> and any other WUIT-managed computer
<a href="#">Zotero</a>	Free, open source version available at <a href="#">Zotero</a>



# Research Computing

Becker offers free workshops for researchers new to programming.

## **Computing basics classes Wednesdays in Sept.:**

- Introductory Compute - Getting Started with the Command Line:  
Sept. 11, 1:00 pm – 2:30 pm
- Introductory Compute - Getting Started with High Performance Computing:  
Sept. 18, 1:00 pm – 2:30 pm
- Introductory Compute - Getting Started with the RIS Scientific Compute Platform:  
Sept. 25, 1:00 pm – 2:30 pm

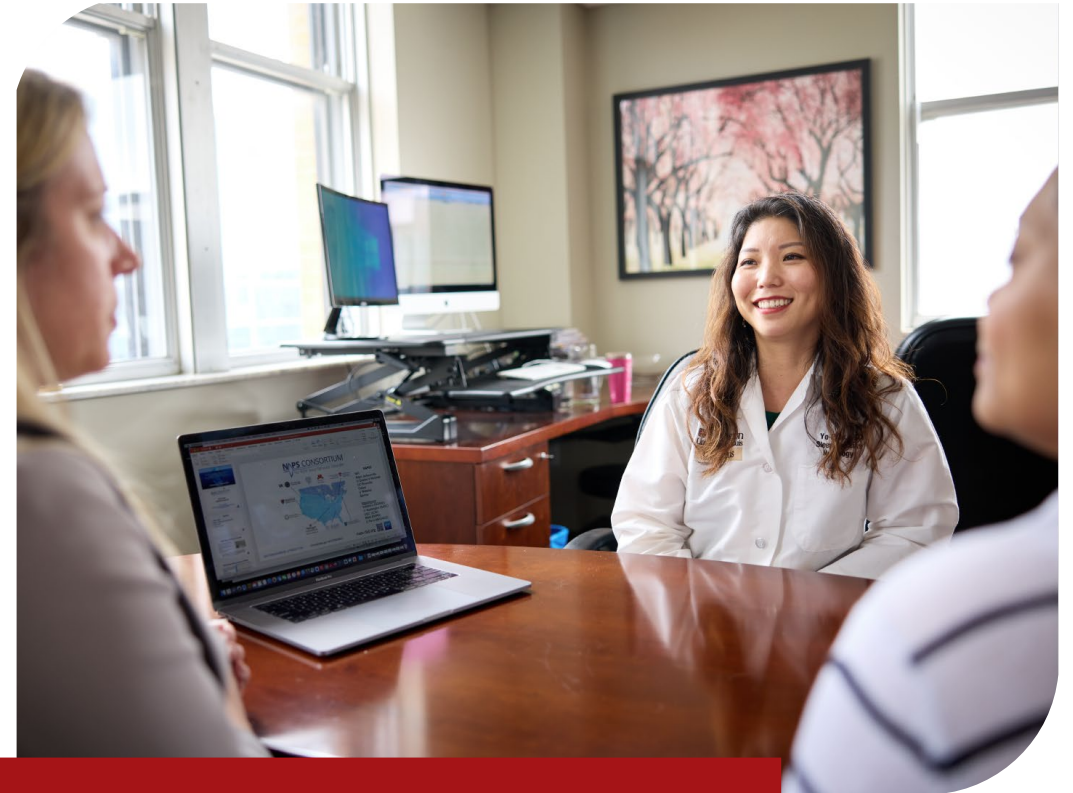
**MATLAB, Python, R:** Sign up for email for upcoming classes, view recordings of past workshops.



[becker.wustl.edu/researchcomputing](https://becker.wustl.edu/researchcomputing)

# Get Connected

- Collaborate with a librarian on a Systematic Review or Scoping Review [search strategy](#)
- Research Profiles:
  - Highlight your research contributions to School of Medicine researchers, as well as those outside the university and in their research communities.
  - Find collaborators in your field
  - Request an update



[Research Profiles](#)

# Compliance and Research Impact Support

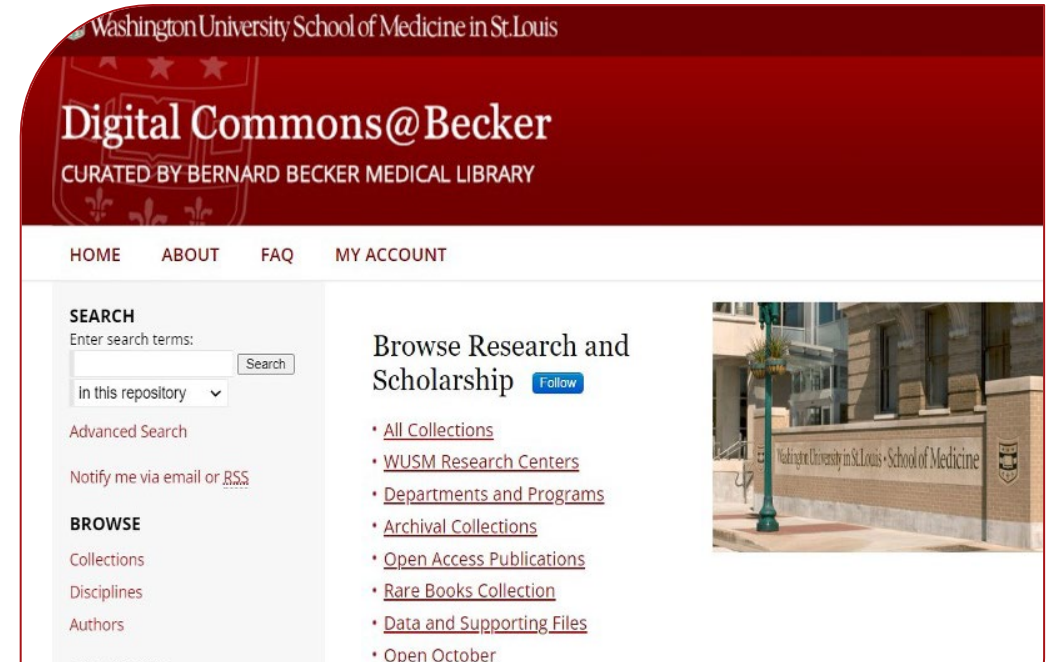
- NIH Biosketch, My Bibliography and SciENcv support
- Compliance with public access policies
- Request classes for groups
- Publication/citation reports for tenure or grant applications
- Subject Guides:
  - [Selecting a Journal](#) for Publication
  - NIH Public Access Policy: [link](#)



[Grant Application and Compliance](#)

# Open Access

- Digital Commons@Becker institutional repository, creates DOI
- Upcoming Events
  - Scientific Publishing and Openness: Perspectives from Insiders, Oct. 1, 3:00 - 4:00 pm
  - Being Open about Open Educational Resources: Perceptions, Use, and Impact, Oct. 14, 1:00 - 2:00 pm
  - How Open Science Can Advance Equity for People with Disabilities, Oct. 23, 3 – 4:00 pm
  - Framing Public and Open-Access Scholarship for Professional Advancement, seminar on the main campus, Oct. 30, noon – 1:30 pm



## Open October Events

# Data Management Plans

- NIH requires all NIH grant submissions to include a two page Data Management and Sharing plan
- Webinars and one-on-one consultations for data management and sharing, [review of plans](#).
- Training and support for, [DMPTool](#), create data management and sharing plans that meet requirements and promote research
- [Protocols.io](#), open access repository for protocols: [link](#)
  - Training Series, Session II: Sept. 24, 1:00-2:00 pm



[beckerdms.wustl.edu](http://beckerdms.wustl.edu)

- UpToDate: point-of-care medical resource
- LexiDrug: clinical drug information
- Subject Guides: Lists of links to resources based on topic
- eBooks
- eJournals

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ClinicalKey <small>Popular</small>	NetAnatomy	visualDx
Cochrane Library	Ovid <small>Popular</small>	Web of Science
<b>eBooks</b>	PubMed <small>Popular</small>	

#### HOW TO

- Ask a Librarian/Specialist
- Comply with Public Access Policies
- Download Mobile Applications
- Locate S...
- Print, C...
- Publish
- Sugges
- Use Of

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# 1. Library Catalog

## 2. Switch to All WashU Libraries

### SUGGESTED RESOURCES

A-Z Databases List

AccessMedicine

AccessSurgery

CINAHL Plus *Popular*

Clinical Portal

ClinicalKey *Popular*

eJournals

Embase

Feuerstein Health &  
Wellness Information  
Center

Google Scholar

**Library Catalog**

Research Profiles

Scopus *Popular*

Subject Guides *Popular*

UpToDate *Popular*

UpToDate Lexidrug *Popular*

visualDx

Start Over ▲ Extended Display Modify Search Search as Words Another Search (Search History) ▼

TITLE ▼ computing Medical Library ▼ System Sorted ▼ Sort Search

Mark box to limit search

Re Medical Library

1 2 3 4 **All WashU Libraries**

Save Marked Records Save All On Page Save to My Lists

Number	Mark	TITLES (1-50 of 593)	Year	Entries 660 Found
1	<input type="checkbox"/>	<a href="#">Computing.</a>		7



# Subject Guides

- Biostatistics: [link](#)
- DBBS education resources: [link](#)
  - Lab techniques videos
  - Links to resources curated by class instructors
- Images: [link](#)
- Mobile Apps: [link](#)
- Radiology: [link](#)
- Selecting a Journal for Publication: Questionable Indicators: [link](#)
- Journals and Newspapers: [link](#)
- Text and Data Mining: [link](#)



[beckerguides.wustl.edu/](http://beckerguides.wustl.edu/)

# Subject Guides > Biostatistics Guide > Power Analysis & Sample Size

## Validated Calculators (free online tools)

### Validated Calculators (Free Online Tools)

*Note: Ensure reproducibility of your calculations; take pictures or screenshots and properly cite.*

- [Sample Size Calculators for Designing Clinical Trials](#)

UCSF offer **online** and easy to use calculators of sample size for a variety of analyses with binary, continuous, and time to event measurements, as well as pediatric growth and posterior probability of disease.

- [Power and Sample Size](#)

**Online** and easy to use calculator of sample size for analyses of binary, means, and time to event measurements.

- [Sealed Envelope](#) (scroll up to the 'POWER CALCULATORS' menu at the top right)

**Online** tools to estimate sample size for superiority, equivalence, and non-inferiority clinical trials for binary and continuous measurements.

## Downloadable Software (free and for purchase)

### Downloadable Software (Free and For Purchase)

*Note: Ensure reproducibility of your calculations; take pictures or screenshots and properly cite.*

- [G\\*Power](#)

**Free downloadable software** that is easy to use with a helpful manual. Supports broad range of calculations for proportions, means, and linear, logistic, and Poisson regression.

- [PS Power and Sample Size Calculation](#)

**Free downloadable software** with a manual to calculate sample size for binary, continuous, and time to event measurements.

- [Power and Precision](#)

**For purchase software** that is easy to use for power and precision analysis. Supports a very broad range of calculations for various hypotheses and scenarios involving proportions, means, correlations, and survival times, and linear, polynomial, and logistic regression.

- [PASS Power Analysis & Sample Size](#)



# Subject Guides > E-Journals Tips and Hints > Special Access Journals

## E-Journals Tips and Hints

[Home](#)[Finding Journal Articles](#)[Mobile Apps and Browser Extensions](#)[BeckerProxy Bookmarklet](#)[BrowZine](#)[LibKey Nomad](#)[Read by QxMD](#)[Special Access Journals](#)[Economist - Campus Wide Online Access](#)[New York Times - Online Access at School of Medicine](#)[STAT+ - Online Access at School of Medicine](#)[Wall Street Journal - Campus Wide Online Access](#)

### STAT+ (STAT) Plus

STAT+ (STAT Plus) offers original reporting and analysis of breaking news in the life sciences and pharmaceutical industry.

You must have a [@wustl.edu](#) email and be affiliated with **WUSM** or on the **WUSM** campus to register for **STAT+**.

**NOTE:** Your Washington University in St. Louis School of Medicine subscription to **STAT+** premium content must be renewed every 30 days to confirm your continued affiliation with Washington University in St. Louis School of Medicine. Login in from on campus or using a **STAT + Login** link on the library website.

### STAT+ - Online Access at School of Medicine

## New User Registration for **STAT+**

- Register for a STAT+ account [Here](#)
  - Use your valid [@wustl.edu](#) email
  - Off campus access only available to members of Washington University School of Medicine in St. Louis..
- Fill in all the required fields on the "Subscribe Now" page
  - Enter your valid Washington University email address ending in [@wustl.edu](#)
  - Create a password (at least six (6) characters)
  - Select "Academia" as your industry
  - Click "Continue" and STAT+ will re-direct you to confirmation page and send you a welcome email
- After signup, you will be directed to the "My Account" page.
  - You should see the following message: **You're now a STAT+ subscriber affiliated with Washington University School**

# Database searching

## PubMed

- Includes biomedical journals indexed in Medline
- Automatic term-mapping
- Search Tips: [Video](#); [Subject Guide](#)



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4  
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1:00 pm - 2:30 pm

10  
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Advanced  
protocols.io Training  
Session I

1:00 pm - 2:00 pm

### SUGGESTED RESOURCES

CINAHL Plus Popular

ClinicalKey Popular

Ovid Popular

**PubMed**

Scopus Popular

Subject Guides Popular

UpToDate Popular

UpToDate Lexidrug Popular



### SERVICES

Author Analytics & Support

Classes & Workshops

Clinical Rounding

Health Literacy &  
Communication

Research Computing

Search & Reference

Software Licensing

Systematic Reviews

### HOW TO

Ask a Librarian/Specialist

Comply with Public Access  
Policies

Download Mobile Applications

Locate Study or

Print, Copy, or

Publish an Article

Suggest a Purchase

Use Off-Campus

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Advanced Search

CD8+ T Cell HBV HCC



Search

[Advanced](#) [Create alert](#) [Create RSS](#)

[User Guide](#)

Save

Email

Send to

Sort by:

Best match



Display options



MY NCBI FILTERS

304 results



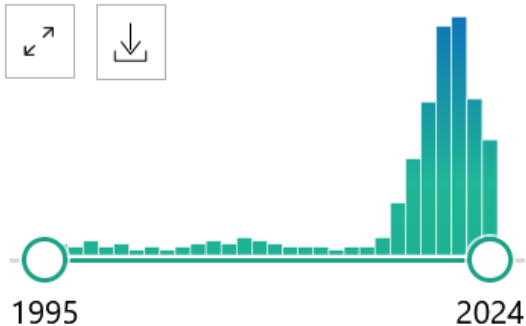
Page

1

of 2



RESULTS BY YEAR



1995

2024

TEXT AVAILABILITY



Abstract



Free full text



[Non-invasive tumor microenvironment evaluation and treatment response prediction in \*\*gastric cancer\*\* using deep learning radiomics.](#)

1

Cite

Jiang Y, Zhou K, Sun Z, Wang H, Xie J, Zhang T, Sang S, Islam MT, Wang JY, Chen C, Yuan Q, Xi S, Li T, Xu Y, Xiong W, Wang W, Li G, Li R.

Share

Cell Rep Med. 2023 Aug 15;4(8):101146. doi: 10.1016/j.xcrm.2023.101146. Epub 2023 Aug 8.

PMID: 37557177 [Free PMC article.](#)

The tumor microenvironment (TME) plays a critical role in disease progression and is a key determinant of therapeutic response in **cancer** patients. Here, we propose a noninvasive approach to predict the status from radiological images by combining radiomics and deep lea ...





[Accurate diagnosis and prognosis prediction of \*\*gastric cancer\*\* using deep learning on digital pathological images: A retrospective multicentre study.](#)

2



Back to Top

## History and Search Details

 Download  Delete

Search	Actions	Details	Query	Results	Time
#12	<a href="#">Details</a>	<a href="#">Carrot</a>	<p>Search: <b>CD8+ T Cell HBV HCC</b></p> <p>("cd8 positive t lymphocytes"[MeSH Terms] OR ("cd8 positive"[All Fields] AND "t lymphocytes"[All Fields]) OR "cd8 positive t lymphocytes"[All Fields] OR "cd8 t cell"[All Fields]) AND "HBV"[All Fields] AND "HCC"[All Fields]</p> <p><b>Translations</b></p> <p><b>CD8+ T Cell:</b> "cd8-positive t-lymphocytes"[MeSH Terms] OR ("cd8-positive"[All Fields] AND "t-lymphocytes"[All Fields]) OR "cd8-positive t-lymphocytes"[All Fields] OR "cd8 t cell"[All Fields]</p>	89	21:26:45

[Mesh Term](#)

## Entry Terms

- CD8-Positive T-Lymphocytes
- CD8-Positive Lymphocytes
- T8 Cells
- T8 Lymphocytes
- CD8-Positive Suppressor T-Lymphocytes
- CD8-Positive Suppressor T-Cells

## Medical Subject Heading Tree

All MeSH Categories

Anatomy Category

Cells

Blood Cells

Leukocytes

Leukocytes, Mononuclear

Lymphocytes

T-Lymphocytes

**CD8-Positive T-Lymphocytes**

T-Lymphocytes, Cytotoxic



## Entry Terms

- Hepatocellular Carcinoma
- Hepatoma
- Adult Liver Cancer
- Liver Cell Carcinoma

## Medical Subject Heading Tree

[All MeSH Categories](#)

[Diseases Category](#)

[Neoplasms](#)

[Neoplasms by Histologic Type](#)

[Neoplasms, Glandular and Epithelial](#)

[Carcinoma](#)

[Adenocarcinoma](#)

**Carcinoma, Hepatocellular**

[All MeSH Categories](#)

[Diseases Category](#)

[Neoplasms](#)

[Neoplasms by Site](#)

[Digestive System Neoplasms](#)

**Liver Cancer**

**Carcinoma, Hepatocellular**

No MeSH? Try spelling terms out:

**Instead of:** CD8+ T Cells HBV HCC: 83 results

**Use:** CD8+ T Cells AND Hepatitis B virus AND hepatocellular carcinoma  
= 163 results

**Instead of:** EHR: 13,000

**Use:** Electronic health record: 74,000

**Instead of:** lab test

**Use:** laboratory test

**Instead of:** Cgmp

**Use:** Cyclic gmp

Mesh Database: [link](#)

Entry terms:

Guanosine Cyclic 3,5 Monophosphate

Guanosine Cyclic-3',5'-Monophosphate

Guanosine Cyclic Monophosphate

PubMed Advanced Search Builder



▼ Restrict field to title or journal

All Fields

Liver cancer OR HCC OR cirrhosis

AND

Show Index

Query box

((liver cancer OR HCC OR cirrhosis) AND ((PD-1+ t cells OR CD8+ t cells))) AND (Hepatitis B virus)

Search

▼ Add together individual searches together

Download Delete

Search	Actions	Details	Query	Results	Time
#27	...	>	Search: <b>liver cancer OR HCC OR cirrhosis</b>	766,367	22:05:30
#26	...	>	Search: <b>(PD-1+ t cells OR CD8+ t cells)</b>	116,461	22:04:48
#25	...	>	Search: <b>Hepatitis B virus</b>	62,581	22:04:17
#24	...	>	Search: <b>(t cells) AND Hepatitis B virus AND (cirrhosis OR hepatocellular carcinoma)</b>	572	22:03:31
#23	...	>	Search: <b>(t cells) AND Hepatitis B virus AND hepatocellular carcinoma</b>	408	22:00:47
#22	...	>	Search: <b>(t cells OR RNA) AND Hepatitis B virus AND hepatocellular</b>	2,383	22:00:34

- Restrict search to the title field or add a journal title to restrict search to that journal
- Add synonyms using the OR between the words
- Add searches together

**NIH** National Library of Medicine  
National Center for Biotechnology Information

Log in

**PubMed.gov**

((elisa) AND (prediction)) AND (sepsis[Title] OR pneumonia[Title] OR ascites[Title])

Advanced Create alert Create RSS Search User Guide

Save Email Send to

Sorted by: Best match **Display options**

MY NCBI FILTERS

RESULTS BY YEAR

275 results

Format Abstract

Sort by Best match

Per page 200

Show snippets

Protective and predictive role of M... induced ALI/ARDS

Yu-Ming Wang<sup>1</sup> Xing-Qi<sup>1</sup> Fang-Chen Gong<sup>1</sup> Ying-Chen<sup>2</sup> Zhi-Tao Yang<sup>1</sup> En-Qiang Mao<sup>1</sup>



## The ratio of calprotectin to total protein as a diagnostic and prognostic marker for spontaneous bacterial peritonitis in patients with liver cirrhosis and ascites

Philipp Lutz, Kenneth Pfarr, Hans Dieter Nischalke, Benjamin Krämer, Felix Goeser, Andreas Glässner, Franziska Wolter, Pavlos Kokordelis, Jacob Nattermann, Tilman Sauerbruch, Achim Hoerauf, Christian P Strassburg, Ulrich Spengler

PMID: 26035112 DOI: 10.1515/cclm-2015-0284

### Abstract

**Background:** Diagnosis of spontaneous bacterial peritonitis (SBP) is based on a differential ascites leukocyte count which does not provide prognostic information. We performed a pilot study to assess calprotectin in ascites as an alternative diagnostic

“ Cited by 8 articles

#### SUPPLEMENTARY INFO

Publication types, MeSH terms, Substances + expand

#### FULL TEXT LINKS



CITE

calprotectin to total protein as a diagnostic and prognostic marker for spontaneous bacterial peritonitis in patients with liver cirrhosis and ascites. Clin Chem Lab Med. 2015 Nov;53(12):2031-9. doi: 10.1515/cclm-2015-0284. PMID: 26035112.

> Proceed to details

“ Cite

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Format: NLM



T Cells Hepatitis B virus hepatocellular carcinoma



Search

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[User Guide](#)

Create a file for external citation management software

Selection:

Display options

1 of 3 [>](#) [>>](#)

MY NCBI FILTERS

- All (408)
- All Child (16)
- clinical trial (9)
- Diagnosis/Broad (33)
- English (396)
- Meta-analysis (1)
- Randomized Controlled Trial (4)
- Systematic Reviews (3)
- Neuroscience Top 10 (0)
- Neuroradiology Journals (0)
- RSNA Radiology (0)
- show fewer

[Review](#) > Nat Rev Immunol. 2022 Jan;22(1):19-32. doi: 10.1038/s41577-021-00549-4.  
Epub 2021 May 17.

## Immunobiology and pathogenesis of hepatitis B virus infection

Matteo Iannacone <sup>1 2 3</sup>, Luca G Guidotti <sup>4 5</sup>

Affiliations + expand

PMID: 34002067 DOI: 10.1038/s41577-021-00549-4

# Store citations

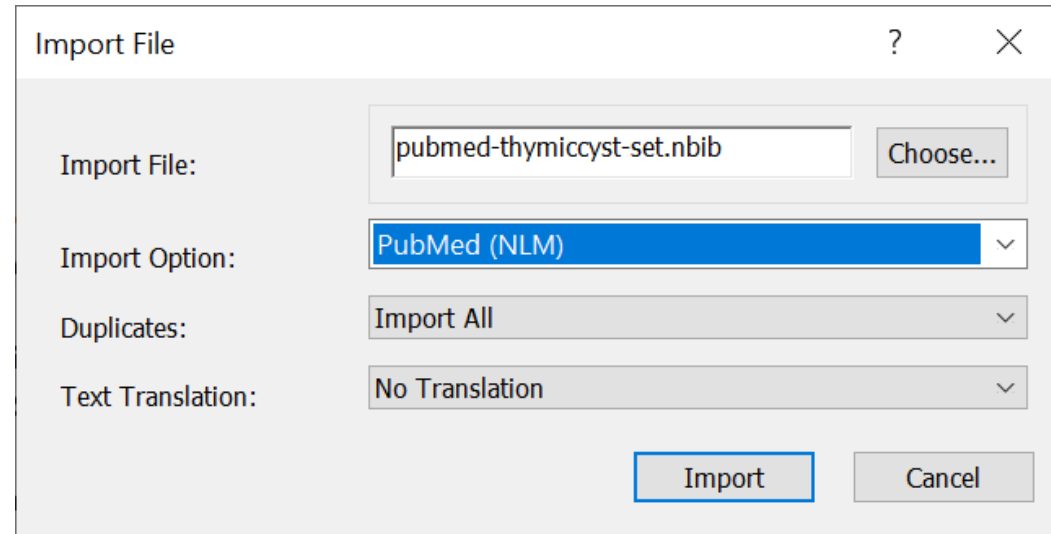
- Database-provided lists: Create log-in
- Use “export” or “send to” button
- Chrome has export buttons available

## Citation Managers:

- Use Cite While you Write to format reference list based on the journal’s format, organize folders, store PDFs
- Endnote: \$50, unlimited PDF storage, purchase through WUSM
- Mendeley: Free but limit to PDF storage
- Zotero: Free

# PubMed to Endnote

- Change “Import Option” when importing from PubMed

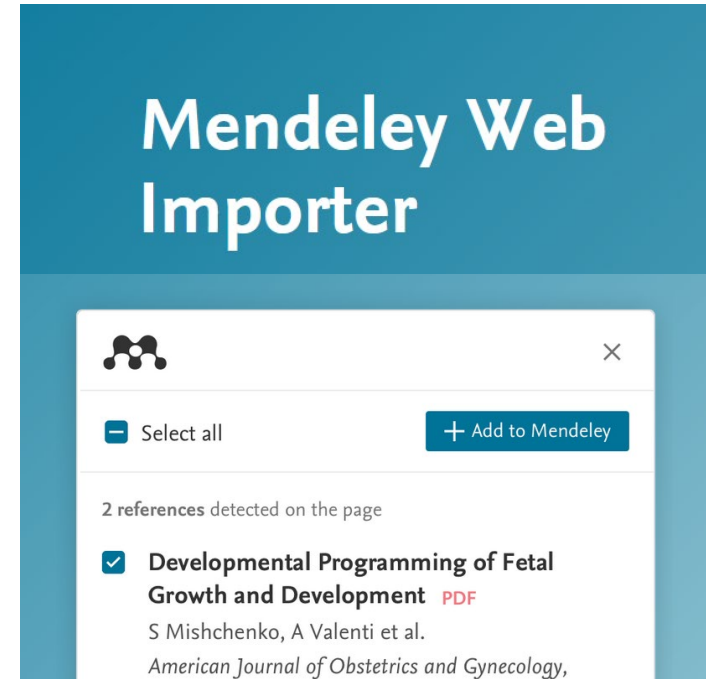


For PubMed imports, change import option.



# PubMed to Mendeley

- Get the [Mendeley Web Importer](#)
- View 200 citations in PubMed
- Can only grab 200 at a time



# Scopus and Web of Science

Index more journals than PubMed, including IEEE, science outside of biomedical, including engineering, computing, and chemistry. Can sort by citation count.

	PubMed	Web of Science	Scopus
RNA transport	59,000	38,000	106,000
Machine Learning	125,000	370,000	500,000
Machine Learning AND Emergency	13,000	3,000	6,600
Flow cytometry	273,000	202,000	442,000

Search for: imag\* AND (neural-network\* OR deep-learning)  
Sort by: Cited by (highest)

374,716 documents found

[Analyze results](#)

All [Export](#) [Download](#) [Citation overview](#) [More](#) [Show all abstracts](#) Sort by **Date (newest)** [Grid](#) [List](#)

	Document title	Authors	Source	Year	Citations
--	----------------	---------	--------	------	-----------

<input type="checkbox"/> 1	Article <b>A Smart Application as Solution for Diagnosis of Rice Diseases in Pakistan: An Image Processing Approach</b>	Mumtaz, A., Noor, A.S.M., Farzeen, S., Khan, M.R., Afzaal, M.	Journal of Advanced Research in Applied Sciences and Engineering Technology, 49(1), pp. 63–76	2025	0
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[Show abstract](#) [Full Text@Becker](#) [View at Publisher](#) [Related documents](#)

<input type="checkbox"/> 2	Article • <i>Open access</i> <b>Enhancing Image Segmentation Accuracy using Deep Learning Techniques</b>	Kiran Sree, P., Usha Devi N., S.S.S.N., Margala, M., Chakrabarti, D.	Journal of Advanced Research in Applied Sciences and Engineering	2025	0
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Search for: imag\* AND (neural-network\* OR deep-learning)  
Sort by: Cited by (highest)

374,716 documents found

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All [Export](#) [Download](#) [Citation overview](#) [More](#) [Show all abstracts](#) Sort by **Cited by (highest)**

	Document title	Authors	Source	Year	Citations
--	----------------	---------	--------	------	-----------

<input type="checkbox"/> 1	Conference Paper • <i>Open access</i> <b>Deep residual learning for image recognition</b>	He, K., Zhang, X., Ren, S., Sun, J.	Proceedings of the IEEE Computer Society Conference	2016	<b>150,330</b>
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<input type="checkbox"/> 2	Conference Paper <b>ImageNet classification with deep convolutional neural networks</b>	Krizhevsky, A., Sutskever, I., Hinton, G.E.	Advances in Neural Information Processing Systems, 2, pp. 1097–1105	2012	80,104
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## More sources

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# Google Scholar

The screenshot shows the Google Scholar interface. At the top, the search bar contains the text "Crohn's disease DNA Gel Electrophoresis". Below the search bar, the results section displays "25,500 results" in a green box. On the left side, there are filters for "Any time" (with sub-options: Since 2021, Since 2020, Since 2017, Custom range...), "Sort by relevance" (with sub-option: Sort by date), and checkboxes for "include patents" (unchecked) and "include citations" (checked). There is also a "Create alert" button. The main results area shows three article snippets. The first snippet is titled "... microbiota composition in the ileocolonic mucosa of Crohn's disease patients as revealed by polymerase chain reaction-denaturing gradient gel electrophoresis" and includes a link to "[PDF] oup.com Full View". The second snippet is titled "Search for localized dysbiosis in Crohn's disease ulcerations by temporal temperature gradient gel electrophoresis of 16S rRNA" and includes a link to "[HTML] nih.gov" and a green box that says "Get it! @ WU". The third snippet is titled "Alterations of the dominant faecal bacterial groups in patients with Crohn's disease of the colon" and includes a link to "[PDF] bmj.com Full View".

**Michelle Doering, literature searches**  
**[mmdoering@wustl.edu](mailto:mmdoering@wustl.edu)**

**Maze Ndukum, software and computing:**  
**[ndukummaze@wustl.edu](mailto:ndukummaze@wustl.edu)**

**Seonyoung Kim, data management:**  
**[seonyoung.kim@wustl.edu](mailto:seonyoung.kim@wustl.edu)**

**Amy Suiter, author analytics and support:**  
**[asuiter@wustl.edu](mailto:asuiter@wustl.edu)**

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