Third-Party PubMed Tools

HEALTH SCIENCES LIBRARIANS OF ILLINOIS

NOVEMBER 10, 2016

ELIZABETH KISCADEN, MLIS, AHIP

NN/LM GMR

Objectives

Participants will be able to:

- Use and teach others about the latest updates to PubMed
- Name and gain familiarity using three types of third-party PubMed tools
- Identify situations in which using a third-party tool would be beneficial
- Stay current with new developments related to third-party PubMed tools

Agenda

- Introductions *(15 minutes)*
- What's New in the NLM/NN/LM/GMR *(15 minutes)*
- What's New with PubMed *(20 minutes)*
- The PubMed API *(15 minutes)*
- Third-Party Tools
  - Semantic Searching *(20 minutes)*
  - Group Exercise #1 *(20 minutes)*
  - Visualization *(20 minutes)*
  - Group Exercise #2 *(20 minutes)*
  - Simplification *(30 minutes)*
  - Group Exercise #3 *(30 minutes)*
- Discussion Questions *(30 minutes)*

What's new at NLM?

- Genetics Home Reference redesign - https://ghr.nlm.nih.gov
- Medline celebrates 45th anniversary!
- New National Library of Medicine Director, Dr. Patti Brennan
- Launched a Request for Information (RFI) to solicit feedback from stakeholders for strategic planning

What's new at NN/LM?

- New leadership, interviews ongoing
- Development of strategic goals
- 2016-2021 cooperative agreement period brings two new offices:
  - NN/LM Docline Coordination Office
  - NN/LM Public Health Coordination Office
- Funding mechanism transitioned from a contract to a grant

What's new at the GMR?

What's new at the GMR?

What's new at the GMR?

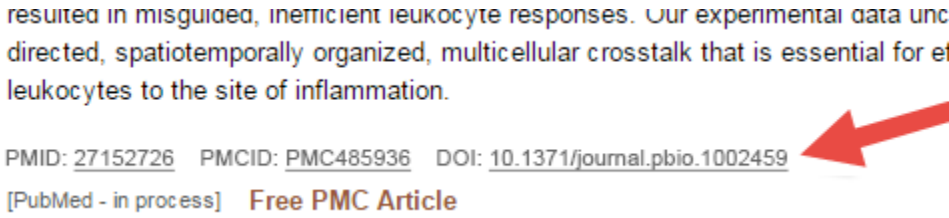
- New staff - https://nnlm.gov/gmr/about/staff
- Advisory groups
- Assessments coming your way!
  - Educational needs
  - Communication
- Development of all new….
  - Course offerings
  - Webinar series
  - Website and blog
  - Funding opportunities
  - Sponsored activities
  - Awards

Wake up!

- Get your device ready (smartphone, tablet or laptop)
- Go to kahoot.it
- Enter the game-pin number and a nickname

What's new with PubMed

- DOI at the end of abstract display
- PubMed Journals released
- New Search Result filters in PMC: Open Access and back issue digitization
- PubMed celebrated its 20th anniversary!



Stay current with PubMed

- PubMed Update broadcast - Wednesday, January 25th, 2017 at 3pm ET/2pm CT
- PubMed New and Noteworthy
- NLM Technical Bulletin
- PUBMED-ALERTS@list.nih.gov
- MEDLIB-L
- NN/LM GMR Weekly Digest

PubMed API

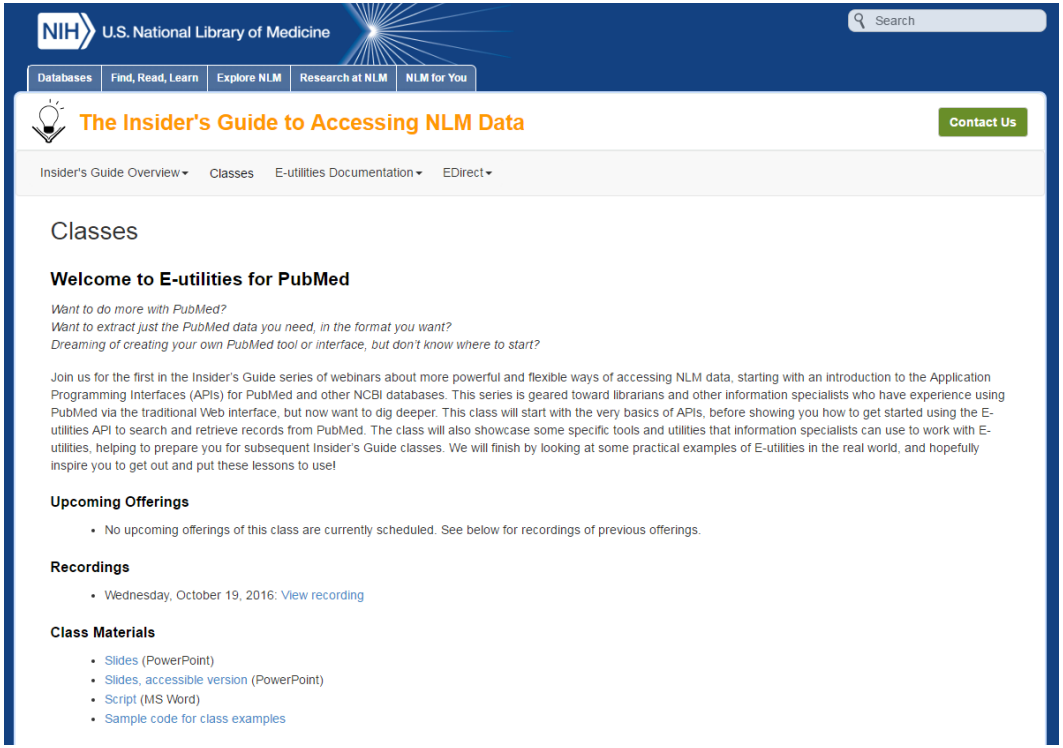
PubMed API (E-utilities)

- API = **A**pplication **P**rogramming **I**nterface
- Makes data available for use in other programs or interfaces

Want to know more about APIs?

- How Stuff Works: How APIs Work: http://tinyurl.com/27rw2kn
  - Explanation of APIs, using conferencing software as an example.
- Entrex AJAX: http://entrezajax.appspot.com/
  - A third-party derivative of NCBI's EUtils designed for launching searches directly from the browser (improves speed)

NCBI APIs series



Ideas for a project involving NLM APIs?

- Apply for funding through our office!
- Technology Improvement/Express Outreach

Wake up!

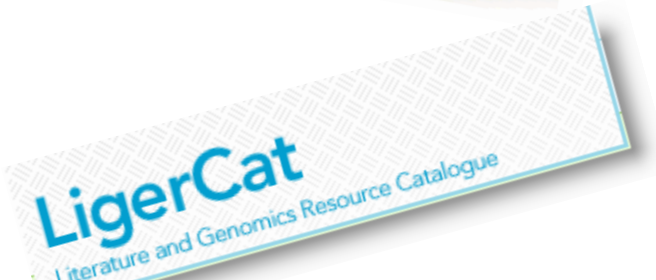
- Get your device ready (smartphone, tablet or laptop)
- Go to kahoot.it
- Enter the game-pin number and a nickname

PubMed alternatives

PMinstant.com

HubMed:

SLIM v.2



Themes

- Semantic searching
- Visualization
- Simplification

HelioText (formerly ETblast)

http://helioblast.heliotext.com/

Developed by:

HelioText, developers formerly of Virginia Biometrics Institute and UT Southwestern

Harold 'Skip' Garner is the PI

Claim to fame:

Analyzes large chunks of text

From Skip Garner: https://youtu.be/QvwVSvQytAA

Ask HelioBLAST

Search in: ◉ Medline **Would you like to add your own database?** Get in touch with us.

Submit to HelioBLAST

MEDLINE index last updated Tuesday, November 01, 2016.

NLM data are produced by a U.S. Government agency and include works of the United States Government that are not protected by U.S. copyright law but may be protected by non-US copyright law, as well as abstracts originating from publications that may be protected by U.S. copyright law.

NLM assumes no responsibility or liability associated with use of copyrighted material, including transmitting, reproducing, redistributing, or making commercial use of the data. NLM does not provide legal advice regarding copyright, fair use, or other aspects of intellectual property rights. Persons contemplating any type of transmission or reproduction of copyrighted material such as abstracts are advised to consult legal counsel.

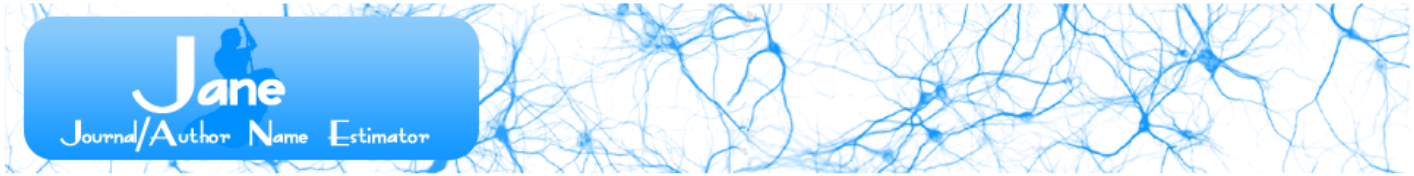
Welcome to HelioBLAST

HelioBLAST is a free service provided by HelioText. The HelioBLAST text similarity engine finds text records that are similar to the submitted query. HelioBLAST uses our super-fast search engine, and this service is provided to demonstrate what can be done using text similarity searching. HelioBLAST can be customized to search a particular database or multiple ones; and proprietary databases can be created for individua clients.

Here, your query is searched against the citations (abstract and titles) in Medline/PubMed. **Submissions are limited to 1,000 words,** so we recommend your query should be an abstract or paragraph.

Copyright HelioText 2015. email:kmenier@heliotext.com. Phone: +1-214-924-6334.

Jane (Journal/Author Name Estimator)



Insert your title and/or abstract here: (or, click here to search using keywords)

Scramble | Clear | Show extra options

Find journals | Find authors | Find articles

Welcome to Jane

Have you recently written a paper, but you're not sure to which journal you should submit it? Or maybe you want to find relevant articles to cite in your paper? Or are you an editor, and do you need to find reviewers for a particular paper? Jane can help!

Just enter the title and/or abstract of the paper in the box, and click on 'Find journals', 'Find authors' or 'Find Articles'. Jane will then compare your document to millions of documents in *Medline* to find the best matching journals, authors or articles.

Keyword search

Instead of using a title or abstract, you can also search using a keyword search, similar to popular web search engines. Click here to search using keywords.

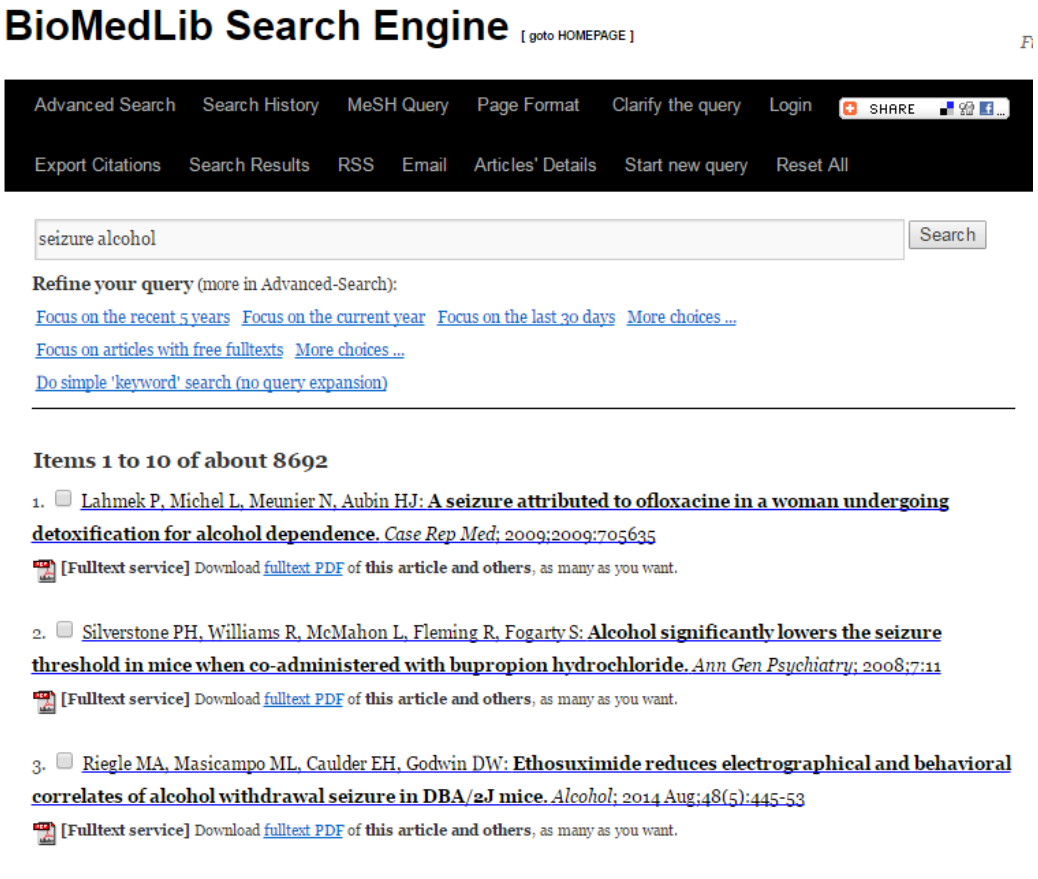
A new home!

JANE has moved to a new home for improved stability. Many thanks to the Observational Health Data Science and Informatics for providing the hosting! Please update your bookmarks.

Additional information about Jane

Copyright 2007, The Biosemantics Group. Research funded by NBIC. Created and maintained by Martijn Schuemie.
Hosting provided by the Observational Health Data Science and Informatics

BioMedLib Search Engine



BioMedLib Search Engine [goto HOMEPAGE]

Advanced Search | Search History | MeSH Query | Page Format | Clarify the query | Login | SHARE

Export Citations | Search Results | RSS | Email | Articles' Details | Start new query | Reset All

seizure alcohol Search

Refine your query (more in Advanced-Search):

Focus on the recent 5 years | Focus on the current year | Focus on the last 30 days | More choices ...

Focus on articles with free fulltexts | More choices ...

Do simple 'keyword' search (no query expansion)

Items 1 to 10 of about 8692

1. Lahmek P, Michel L, Meunier N, Aubin HJ: **A seizure attributed to ofloxacine in a woman undergoing detoxification for alcohol dependence.** *Case Rep Med*; 2009;2009:705635

[Fulltext service] Download fulltext PDF of **this article and others**, as many as you want.

2. Silverstone PH, Williams R, McMahon L, Fleming R, Fogarty S: **Alcohol significantly lowers the seizure threshold in mice when co-administered with bupropion hydrochloride.** *Ann Gen Psychiatry*; 2008;7:11

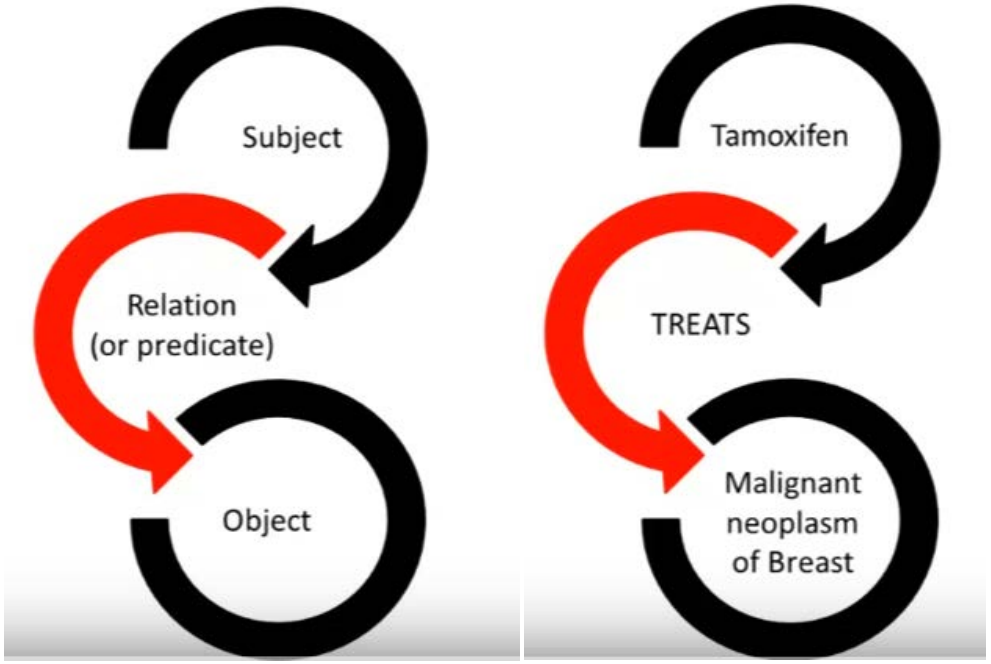
[Fulltext service] Download fulltext PDF of **this article and others**, as many as you want.

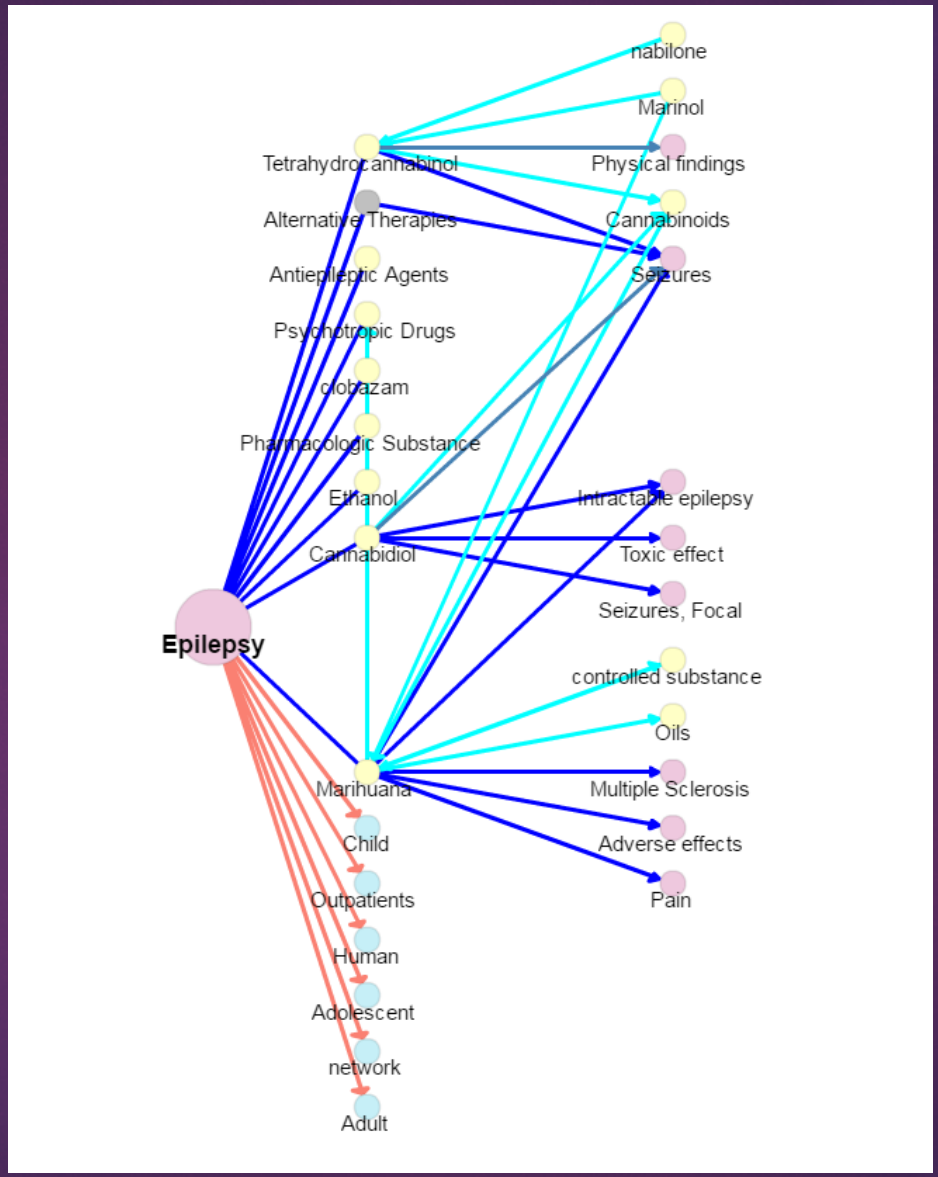
3. Riegle MA, Masicampo ML, Caulder EH, Godwin DW: **Ethosuximide reduces electrographical and behavioral correlates of alcohol withdrawal seizure in DBA/2J mice.** *Alcohol*; 2014 Aug;48(5):445-53

[Fulltext service] Download fulltext PDF of **this article and others**, as many as you want.

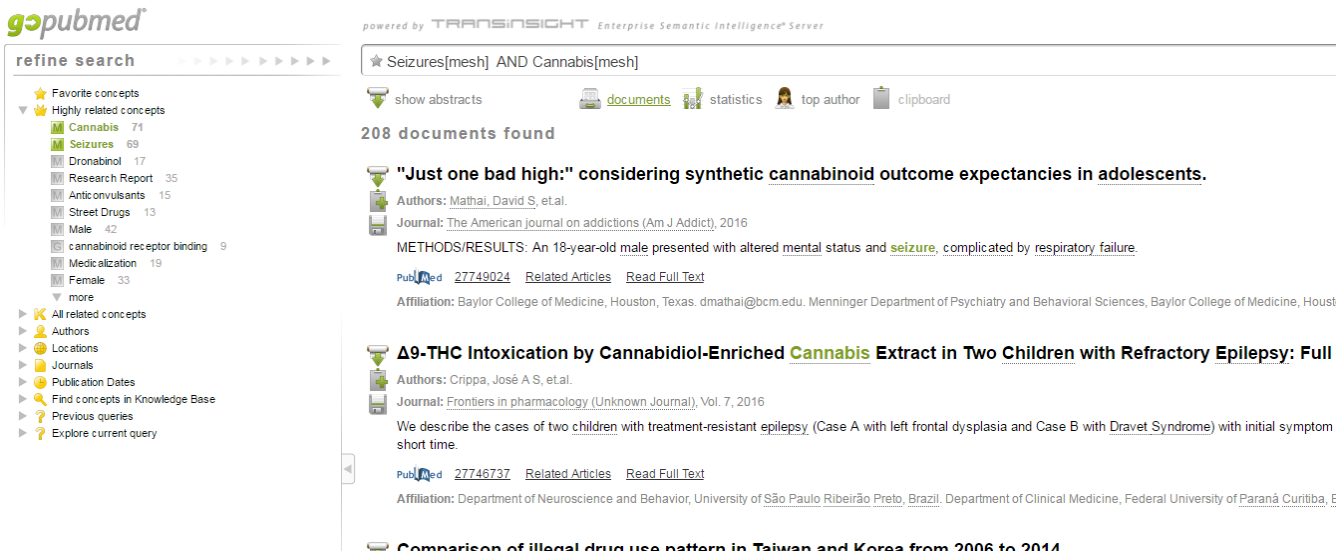
Semantic MEDLINE

- https://skr3.nlm.nih.gov/SemMed/
- Interface for MEDLINE that uses Natural Language Processing




nabilone
Marinol
Tetrahydrocannabinol
Physical findings
Alternative Therapies
Cannabinoids
Antiepileptic Agents
Seizures
Psychotropic Drugs
clobazam
Pharmacologic Substance
Ethanol
Intractable epilepsy
Cannabidiol
Toxic effect
Seizures, Focal
Epilepsy
controlled substance
Oils
Marihuana
Multiple Sclerosis
Child
Adverse effects
Outpatients
Pain
Human
Adolescent
network
Adult

GoPubMed


gopubmed
powered by TRANSINSIGHT Enterprise Semantic Intelligence® Server
refine search
Favorite concepts
Highly related concepts
Cannabis 71
Seizures 69
Dronabinol 17
Research Report 35
Anticonvulsants 15
Street Drugs 13
Male 42
cannabinoid receptor binding 9
Medicalization 19
Female 33
more
All related concepts
Authors
Locations
Journals
Publication Dates
Find concepts in Knowledge Base
Previous queries
Explore current query
Seizures[mesh] AND Cannabis[mesh]
show abstracts
documents
statistics
top author
clipboard
208 documents found
"Just one bad high:" considering synthetic cannabinoid outcome expectancies in adolescents.
Authors: Mathai, David S, et al.
Journal: The American journal on addictions (Am J Addict), 2016
METHODS/RESULTS: An 18-year-old male presented with altered mental status and seizure, complicated by respiratory failure.
PubMed 27749024 Related Articles Read Full Text
Affiliation: Baylor College of Medicine, Houston, Texas. dmathai@bcm.edu. Menninger Department of Psychiatry and Behavioral Sciences, Baylor College of Medicine, Houst
Δ9-THC Intoxication by Cannabidiol-Enriched Cannabis Extract in Two Children with Refractory Epilepsy: Full
Authors: Crippa, José A S, et al.
Journal: Frontiers in pharmacology (Unknown Journal), Vol. 7, 2016
We describe the cases of two children with treatment-resistant epilepsy (Case A with left frontal dysplasia and Case B with Dravet Syndrome) with initial symptom short time.
PubMed 27746737 Related Articles Read Full Text
Affiliation: Department of Neuroscience and Behavior, University of São Paulo Ribeirão Preto, Brazil. Department of Clinical Medicine, Federal University of Paraná Curitiba, E
Comparison of illegal drug use pattern in Taiwan and Korea from 2006 to 2014

Group Exercise #1

- Break into three groups (5/group)
- Experiment with GoPubMed and HelioBlast (and Semantic Medline with Liz's credentials)
  - Semantic Medline credentials:
    - Username: lizlib & Password: 8008search!
- Answer these questions:
  - What are the pros/cons of each?
  - Is there a scenario in which you would recommend one of these tools to a library user?
  - Is there a scenario in which you would use one of these tools yourself?

Theme II

- Semantic searching
- Visualization
- Simplification

LigerCat

Developed by:

Biology of Aging project at Marine Biological Laboratory – Woods Hole Oceanographic Institution Library

Claim to fame:

Produces tag clouds based on MeSH headings

http://ligercat.ubio.org/

LigerCat
Literature and Genomics Resource Catalogue

Journals | Articles | Genes

vitamin D AND multiple sclerosis Search

MeSH Cloud for *vitamin D AND multiple sclerosis*

Generated from 322 articles

Adolescent Adult Age Factors Age of Onset Aged Aged, 80 and over Alleles Arthritis, Rheumatoid Autoimmune Diseases Biological Markers Bone and Bones Bone Density Brain Calcifediol Calcitriol Calcium Case-Control Studies Child Cholecalciferol Cohort Studies Comorbidity Cross-Sectional Studies Cytokines Diabetes Mellitus, Type 1 Diet Dietary Supplements Disability Evaluation Disease Models, Animal Dose-Response Relationship, Drug Encephalomyelitis, Autoimmune, Experimental Environment Environmental Exposure Female Gene Frequency Genetic Predisposition to Disease Genotype Geography HLA-DR Antigens Humans Immune System Incidence Life Style Magnetic Resonance Imaging Male Mice Mice, Inbred C57BL Middle Aged Models, Biological Multiple Sclerosis Multiple Sclerosis, Relapsing-Remitting Neoplasms Osteoporosis Parathyroid Hormone Polymorphism, Genetic Polymorphism, Single Nucleotide Pregnancy Prevalence Rats Receptors, Calcitriol Risk Assessment Risk Factors Seasons Sex Factors Skin Smoking Sunlight T-Lymphocytes Ultraviolet Rays United States Vitamin D Vitamin D Deficiency Vitamin D-Binding Protein Vitamins Young Adult

Help | Selected Terms | Share

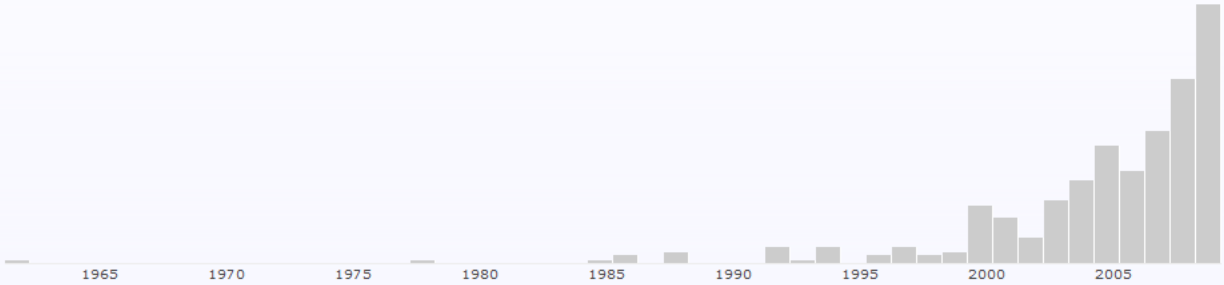
Remove All | Go to Pubmed

5 articles in PubMed with all of these terms

Cholecalciferol
Seasons

Runs MeSH search directly in PubMed

Publication History



Search PubMed Articles

Search PubMed using words or even a DNA/protein sequence to create a tag cloud showing an overview of important concepts and trends. LigerCat aggregates multiple articles in PubMed, combining the associated MeSH descriptors into a cloud, weighted by frequency.

Visualize MeSH Descriptors

Medical Subject Headings (MeSH) is a controlled vocabulary created and maintained by the National Library of Medicine and applied to categorize and index journal articles in biomedical science.

Search from Tag Clouds

Simply click on one or more MeSH descriptors in a tag cloud to instantly search PubMed for those terms instantly. Selecting more than one term finds articles tagged with all selected MeSH descriptors.

LigerCat is brought to you by the Biology of Aging project at the MBLWHOI Library

Contact Us
Citation Information

LigerCat
Literature and Genomics Resource Catalogue

Journals | Articles | Genes

```
>
GGATCAGCTGACTCGCCTGGCTCTGAGCCCCGCCGCCGCGCTCGGGCTCCGTCAGTTTCCTCGGCAGCGG
TAGGCGAGAGCACGCGGAGGAGCGTGCGCGGGGGCCCCGGGAGACGGCGGCGGTGGCGGCGCGGGCAGAG
CAAGGACGCGGCGGATCCCACTCGCACAGCAGCGCACTCGGTGCCCCGCGCAGGGTCGCGATGCTGCCCG
GTTTGGCACTGCTCCTGCTGGCCGCCTGGACGGCTCGGGCGCTGGAGGTACCCACTGATGGTAATGCTGG
CCTGCTGGCTGAACCCCAGATTGCCATGTTCTGTGGCAGACTGAACATGCACATGAATGTCCAGAATGGG
AAGTGGGATTCAGATCCATCAGGGACCAAAACCTGCATTGATACCAAGGAAGGCATCCTGCAGTATTGCC
AAGAAGTCTACCCTGAACTGCAGATCACCAATGTGGTAGAAGCCAACCAACCAGTGACCATCCAGAACTG
GTGCAAGCGGGGCCGCAAGCAGTGCAAGACCCATCCCCACTTTGTGATTCCCTACCGCTGCTTAGTTGGT
GAGTTTGTAAGTGATGCCCTTCTCGTTCCTGACAAGTGCAAATTCTTACACCAGGAGAGGATGGATGTTT
```

Search

MeSH Cloud for Blast Results

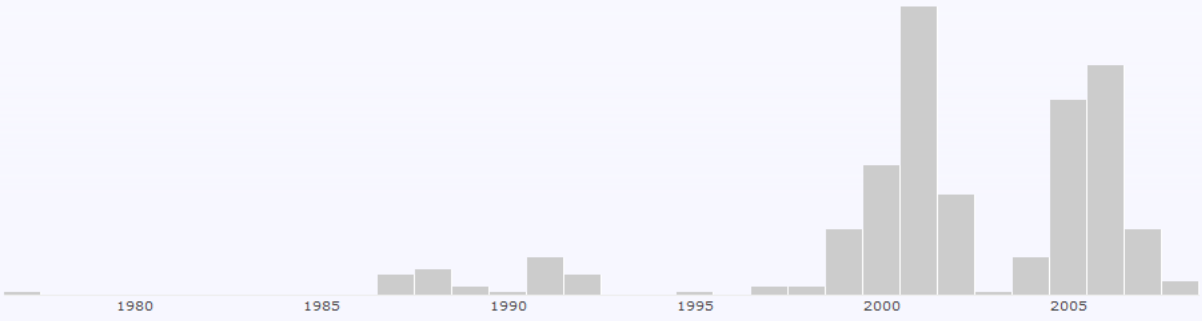
Africa Alternative Splicing Alzheimer Disease Americas Amino Acid Motifs Amino Acid Sequence Amyloid Amyloid beta-Protein Amyloid beta-Protein Precursor Asia Bacteriophage lambda Base Sequence Brain Cats Chromosome Mapping Chromosomes, Mammalian Cloning, Molecular Computational Biology Conserved Sequence Cricetinae Databases, Genetic DNA DNA, Complementary DNA, Mitochondrial Europe Evolution Expressed Sequence Tags Felidae Felis Female Fossils Gene Expression Regulation Gene Library Genes Genetic Speciation Genome Genomics Humans Image Cytometry Lynx Male Mammals Membrane Proteins Mice Mice, Inbred C57BL Molecular Sequence Data Panthera Phylogeny Physical Chromosome Mapping Placenta Polymerase Chain Reaction Pregnancy Promoter Regions (Genetics) Protein Biosynthesis Protein Structure, Tertiary Puma Rats Regulatory Sequences, Ribonucleic Acid Reproducibility of Results RNA RNA Caps RNA Interference RNA Splicing RNA, Antisense RNA, Messenger RNA, Untranslated Sensitivity and Specificity Sequence Analysis, DNA South America Templates, Genetic Transcription Initiation Site Transcription, Genetic X Chromosome Y Chromosome

Help | Blast | Selected Terms

The terms shown to the left are organized in a "tag cloud," a visual way of representing the occurrence of MeSH Descriptors. More occurrent terms appear larger than less occurrent terms.

Click on any of the MeSH Descriptors or Text Words shown at left to select or deselect them. Using the selected terms, LigerCat will craft a query to PubMed. The number of articles returned by this query to PubMed is displayed in the "Selected Terms" tab, and can be clicked to go straight to PubMed

Publication History



PubAnatomy

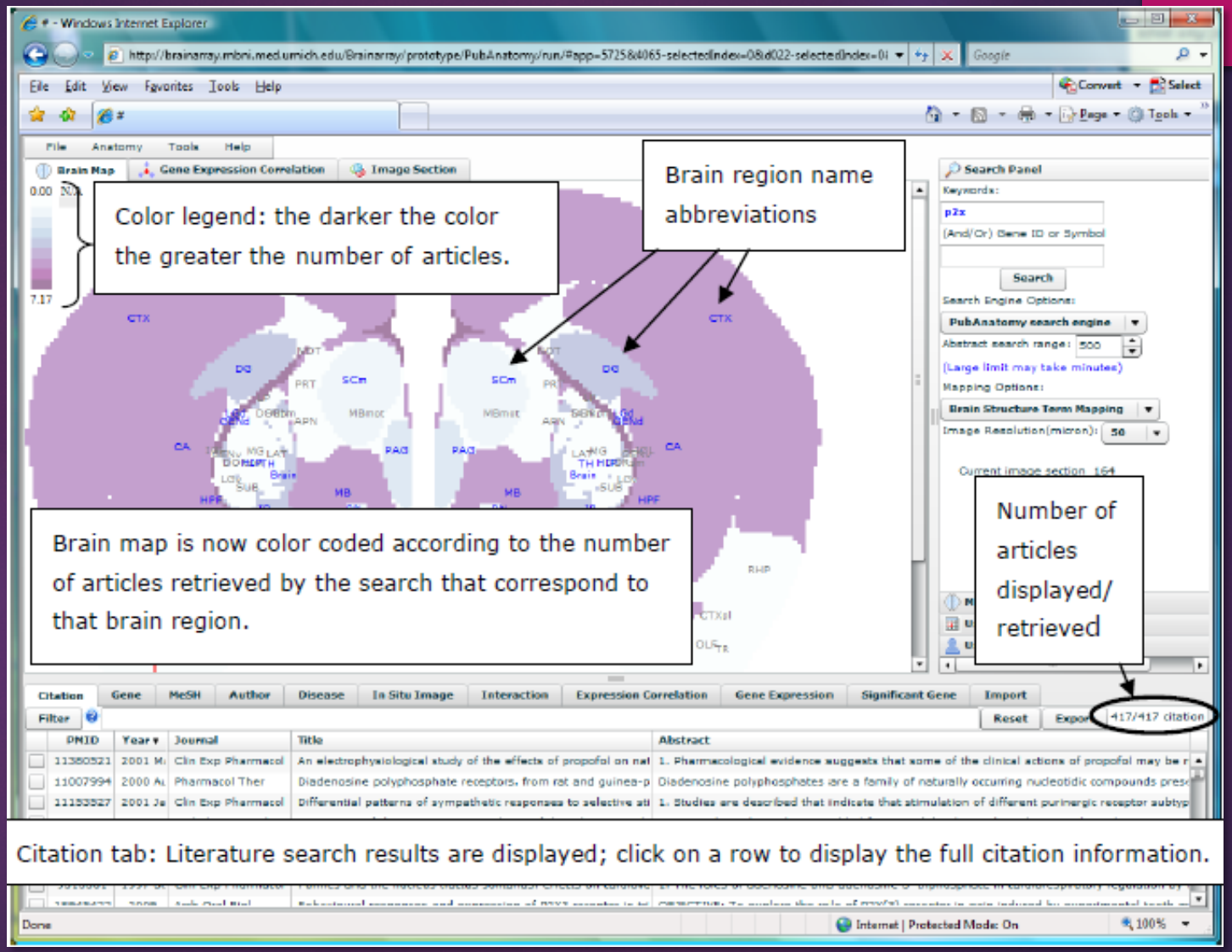
Developed by:

National Center for Integrative Bioinformatics, University of Michigan

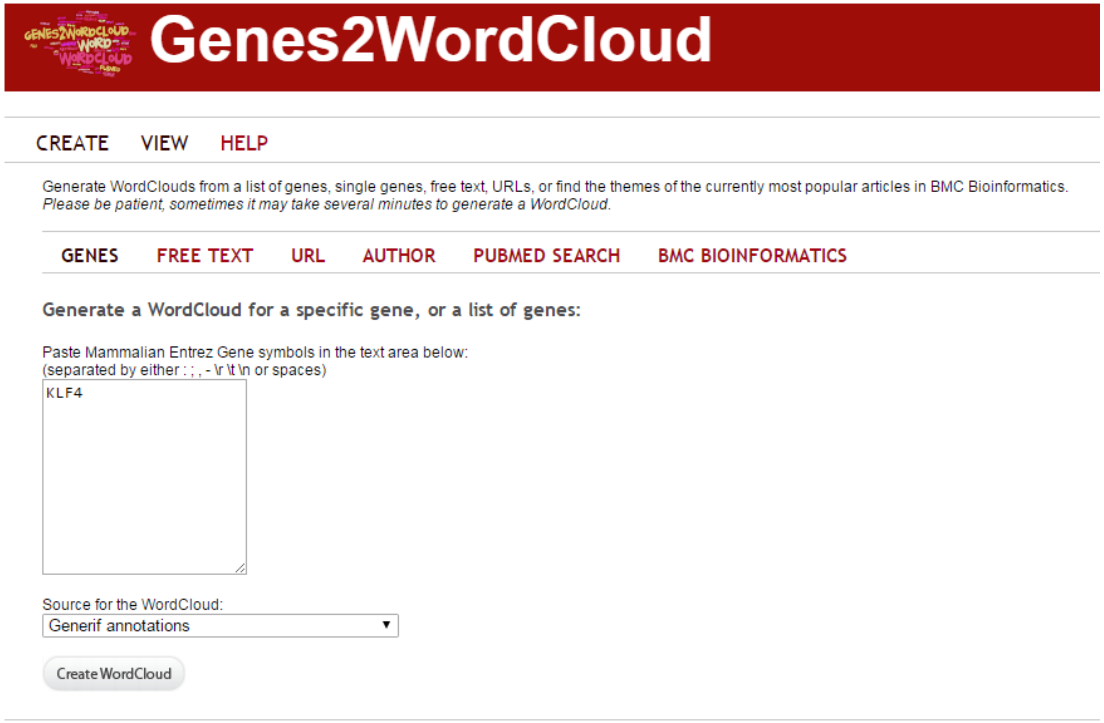
Claim to fame:

Maps the journal literature to brain anatomy and gene expression correlations

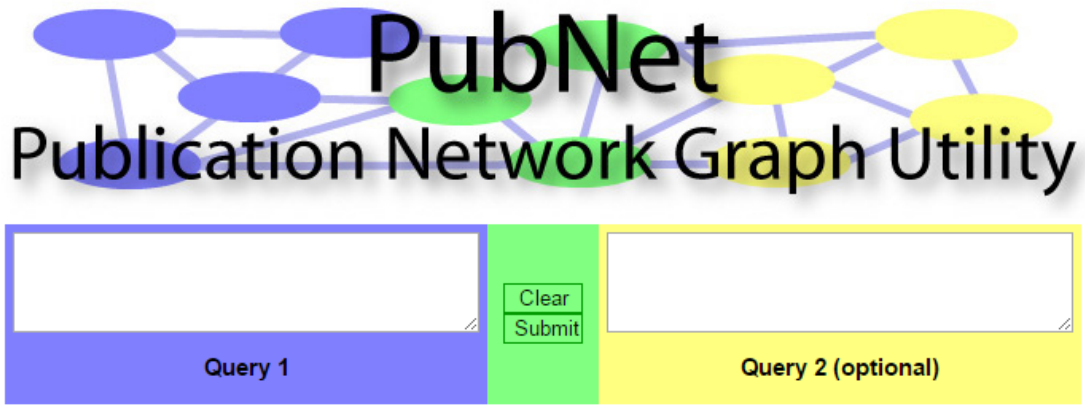
http://brainarray.mbni.med.umich.edu/brainarray/prototype/pubanatomy/


Color legend: the darker the color the greater the number of articles.
Brain region name abbreviations
Brain map is now color coded according to the number of articles retrieved by the search that correspond to that brain region.
Number of articles displayed/ retrieved
Citation tab: Literature search results are displayed; click on a row to display the full citation information.

Genes2WordCloud



PubNet



PubNet: a flexible system for visualizing literature-derived networks
SM Douglas, GT Montelione, M Gerstein
(2005) Genome Biol 6:R80

Group Exercise #2

- Break into three groups (5/group)
- Experiment with PubNet, Genes2WordCloud, PubAnatomy and Ligercat
- Answer these questions:
  - What are the pros/cons of each?
  - Is there a scenario in which you would recommend one of these tools to a library user?
  - Is there a scenario in which you would use one of these tools yourself?

Theme III

- Semantic searching
- Visualization
- Simplification

BibliMed

BibliMed: www.biblimed.com
an intuitive Medline interface

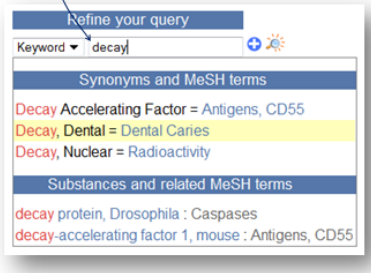
How to enhance your search with BibliMed?

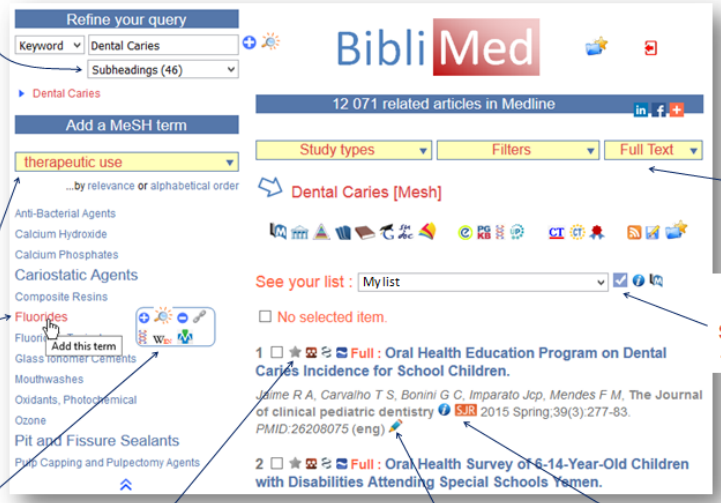
"Are you looking for dental decay treatments?"

* Use Medline MeSH thesaurus to optimize your search process!

❶ Type: decay and choose: dental caries from the suggested MeSH terms*.

Add a subheading if needed.





❷ Add a MeSH term: fluorides related to the qualifier: therapeutic use.

❸ See related links.

❹ Add to "My list".

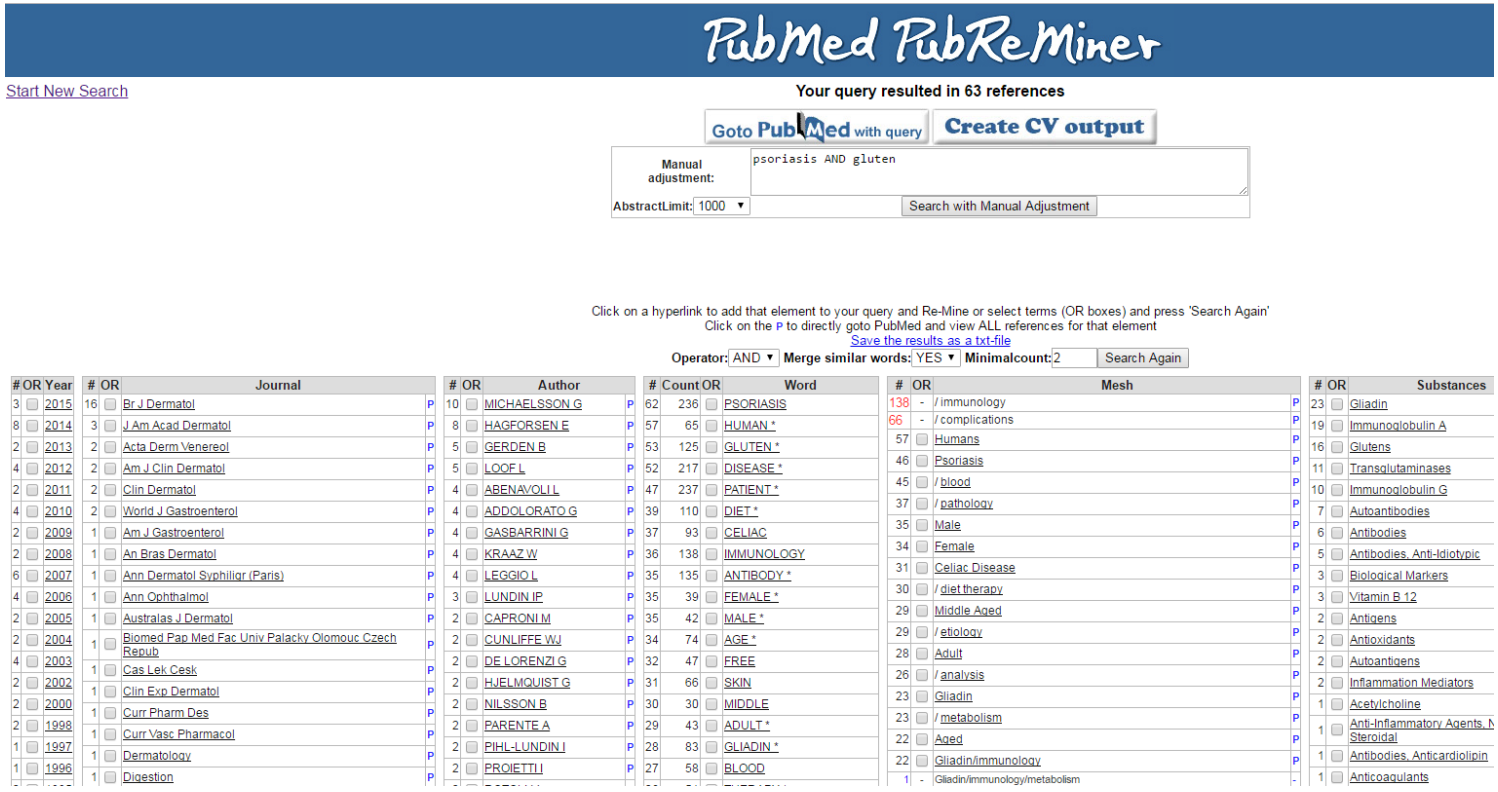
❺ Type a comment.

❻ See impact factor.

❼ See and share your favorites.

❽ Add filters.

PubMed PubReMiner



PubMed PubReMiner

Start New Search

Your query resulted in 63 references

Goto PubMed with query | Create CV output

Manual adjustment: psoriasis AND gluten

AbstractLimit: 1000 | Search with Manual Adjustment

Click on a hyperlink to add that element to your query and Re-Mine or select terms (OR boxes) and press 'Search Again'
Click on the P to directly goto PubMed and view ALL references for that element
Save the results as a txt-file

Operator: AND | Merge similar words: YES | Minimalcount: 2 | Search Again

#	OR	Year
3		2015
8		2014
2		2013
4		2012
2		2011
4		2010
2		2009
2		2008
6		2007
4		2006
2		2005
2		2004
4		2003
2		2002
2		2000
2		1998
1		1997
1		1996

#	OR	Journal
16		Br J Dermatol
3		J Am Acad Dermatol
2		Acta Derm Venereol
2		Am J Clin Dermatol
2		Clin Dermatol
2		World J Gastroenterol
1		Am J Gastroenterol
1		An Bras Dermatol
1		Ann Dermatol Syphiligr (Paris)
1		Ann Ophthalmol
1		Australas J Dermatol
1		Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub
1		Cas Lek Cesk
1		Clin Exp Dermatol
1		Curr Pharm Des
1		Curr Vasc Pharmacol
1		Dermatology
1		Digestion

#	OR	Author
10		MICHAELSSON G
8		HAGFORSEN E
5		GERDEN B
5		LOOF L
4		ABENAVOLI L
4		ADDOLORATO G
4		GASBARRINI G
4		KRAAZ W
4		LEGGIO L
3		LUNDIN IP
2		CAPRONI M
2		CUNLIFFE WJ
2		DE LORENZI G
2		HJELMQUIST G
2		NILSSON B
2		PARENTE A
2		PIHL-LUNDIN I
2		PROIETTI I

#	Count	OR	Word
62	236		PSORIASIS
57	65		HUMAN *
53	125		GLUTEN *
52	217		DISEASE *
47	237		PATIENT *
39	110		DIET *
37	93		CELIAC
36	138		IMMUNOLOGY
35	135		ANTIBODY *
35	39		FEMALE *
35	42		MALE *
34	74		AGE *
32	47		FREE
31	66		SKIN
30	30		MIDDLE
29	43		ADULT *
28	83		GLIADIN *
27	58		BLOOD

#	OR	Mesh
138	-	/ immunology
66	-	/ complications
57		Humans
46		Psoriasis
45		/ blood
37		/ pathology
35		Male
34		Female
31		Celiac Disease
30		/ diet therapy
29		Middle Aged
29		/ etiology
28		Adult
26		/ analysis
23		Gliadin
23		/ metabolism
22		Aged
22		Gliadin/immunology
1	-	Gliadin/immunology/metabolism

#	OR	Substances
23		Gliadin
19		Immunoglobulin A
16		Glutens
11		Transglutaminases
10		Immunoglobulin G
7		Autoantibodies
6		Antibodies
5		Antibodies, Anti-Idiotypic
3		Biological Markers
3		Vitamin B 12
2		Antigens
2		Antioxidants
2		Autoantigens
2		Inflammation Mediators
1		Acetylcholine
1		Anti-Inflammatory Agents, N Steroidal
1		Antibodies, Anticardiolipin
1		Anticoagulants

PubGet

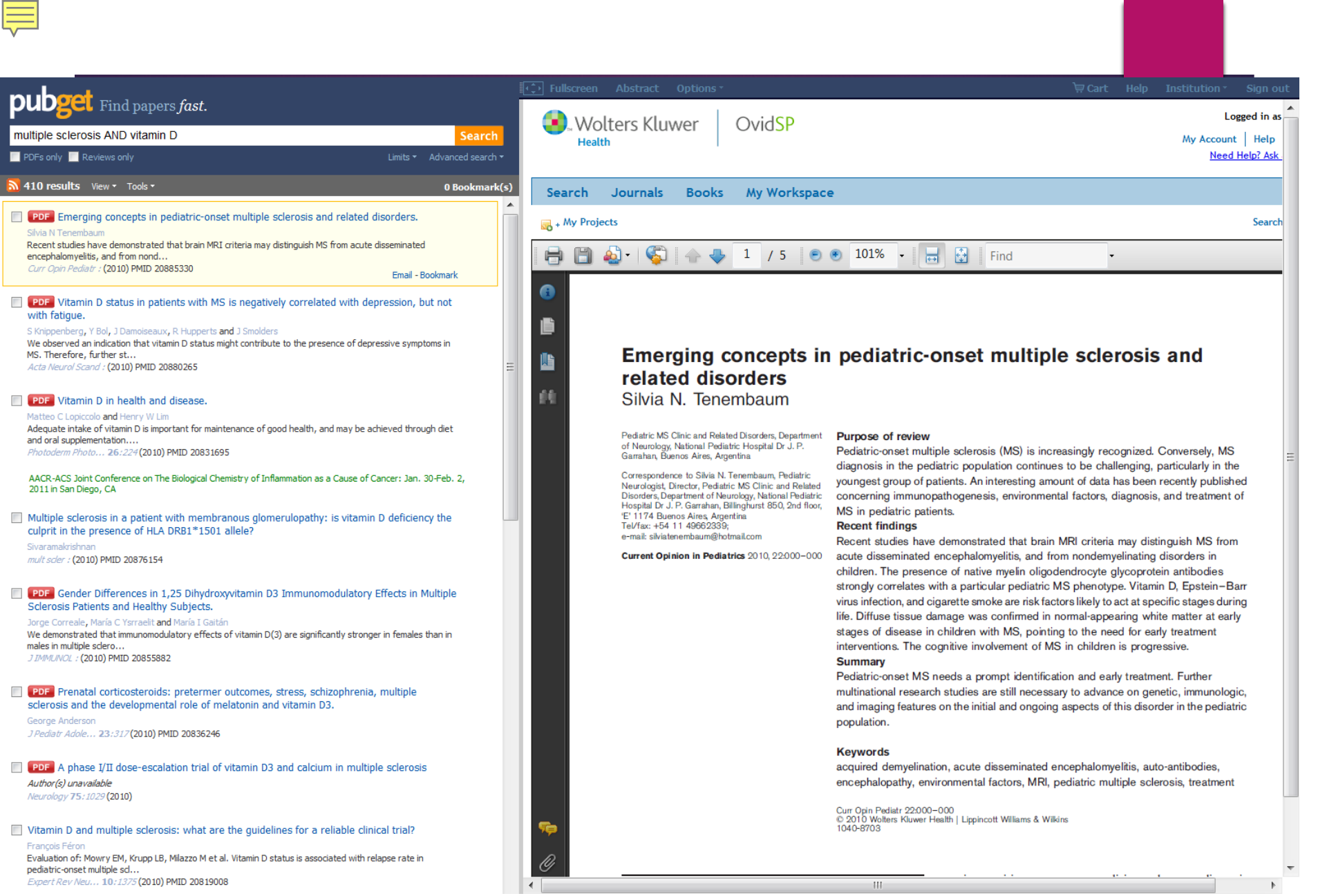
Developed by:

A Boston clinical pathologist who founded PubGet, Inc.

Claim to fame:

Better than your library's link resolver at retrieving PDFs

http://pubget.com/


pubget Find papers fast.
multiple sclerosis AND vitamin D
Search
PDFs only
Reviews only
Limits
Advanced search
410 results
View
Tools
0 Bookmark(s)
PDF Emerging concepts in pediatric-onset multiple sclerosis and related disorders.
Silvia N Tenembaum
Recent studies have demonstrated that brain MRI criteria may distinguish MS from acute disseminated encephalomyelitis, and from nond...
Curr Opin Pediatr : (2010) PMID 20885330
Email - Bookmark
PDF Vitamin D status in patients with MS is negatively correlated with depression, but not with fatigue.
S Knippenberg, Y Bol, J Damoiseaux, R Hupperts and J Smolders
We observed an indication that vitamin D status might contribute to the presence of depressive symptoms in MS. Therefore, further st...
Acta Neurol Scand : (2010) PMID 20880265
PDF Vitamin D in health and disease.
Matteo C Lopiccolo and Henry W Lim
Adequate intake of vitamin D is important for maintenance of good health, and may be achieved through diet and oral supplementation....
Photoderm Photo... 26:224 (2010) PMID 20831695
AACR-ACS Joint Conference on The Biological Chemistry of Inflammation as a Cause of Cancer: Jan. 30-Feb. 2, 2011 in San Diego, CA
Multiple sclerosis in a patient with membranous glomerulopathy: is vitamin D deficiency the culprit in the presence of HLA DRB1*1501 allele?
Sivaramakrishnan
mult scler : (2010) PMID 20876154
PDF Gender Differences in 1,25 Dihydroxyvitamin D3 Immunomodulatory Effects in Multiple Sclerosis Patients and Healthy Subjects.
Jorge Correale, María C Ysrraelit and María I Gaitán
We demonstrated that immunomodulatory effects of vitamin D(3) are significantly stronger in females than in males in multiple sclero...
J IMMUNOL : (2010) PMID 20855882
PDF Prenatal corticosteroids: pretermer outcomes, stress, schizophrenia, multiple sclerosis and the developmental role of melatonin and vitamin D3.
George Anderson
J Pediatr Adole... 23:317 (2010) PMID 20836246
PDF A phase I/II dose-escalation trial of vitamin D3 and calcium in multiple sclerosis
Author(s) unavailable
Neurology 75:1029 (2010)
Vitamin D and multiple sclerosis: what are the guidelines for a reliable clinical trial?
François Féron
Evaluation of: Mowry EM, Krupp LB, Milazzo M et al. Vitamin D status is associated with relapse rate in pediatric-onset multiple scl...
Expert Rev Neu... 10:1375 (2010) PMID 20819008
Fullscreen
Abstract
Options
Cart
Help
Institution
Sign out
Wolters Kluwer Health
OvidSP
Logged in as
My Account
Help
Need Help? Ask
Search
Journals
Books
My Workspace
My Projects
Search
1 / 5
101%
Find
Emerging concepts in pediatric-onset multiple sclerosis and related disorders
Silvia N. Tenembaum
Pediatric MS Clinic and Related Disorders, Department of Neurology, National Pediatric Hospital Dr J. P. Garrahan, Buenos Aires, Argentina
Correspondence to Silvia N. Tenembaum, Pediatric Neurologist, Director, Pediatric MS Clinic and Related Disorders, Department of Neurology, National Pediatric Hospital Dr J. P. Garrahan, Billinghurst 850, 2nd floor, 'E' 1174 Buenos Aires, Argentina
Tel/fax: +54 11 49662339;
e-mail: silviatenembaum@hotmail.com
Current Opinion in Pediatrics 2010, 22:000–000
Purpose of review
Pediatric-onset multiple sclerosis (MS) is increasingly recognized. Conversely, MS diagnosis in the pediatric population continues to be challenging, particularly in the youngest group of patients. An interesting amount of data has been recently published concerning immunopathogenesis, environmental factors, diagnosis, and treatment of MS in pediatric patients.
Recent findings
Recent studies have demonstrated that brain MRI criteria may distinguish MS from acute disseminated encephalomyelitis, and from nondemyelinating disorders in children. The presence of native myelin oligodendrocyte glycoprotein antibodies strongly correlates with a particular pediatric MS phenotype. Vitamin D, Epstein–Barr virus infection, and cigarette smoke are risk factors likely to act at specific stages during life. Diffuse tissue damage was confirmed in normal-appearing white matter at early stages of disease in children with MS, pointing to the need for early treatment interventions. The cognitive involvement of MS in children is progressive.
Summary
Pediatric-onset MS needs a prompt identification and early treatment. Further multinational research studies are still necessary to advance on genetic, immunologic, and imaging features on the initial and ongoing aspects of this disorder in the pediatric population.
Keywords
acquired demyelination, acute disseminated encephalomyelitis, auto-antibodies, encephalopathy, environmental factors, MRI, pediatric multiple sclerosis, treatment
Curr Opin Pediatr 22:000–000
© 2010 Wolters Kluwer Health | Lippincott Williams & Wilkins
1040-8703

PMInstant

Developed by:

Jonathan Bourman with Pubmed AJAX API

Claim to fame:

Fast. Very fast. Displays search results while you are still typing.

http://pminstant.com/

PMInstant Search Results

diabetic co

Exact search only: Off

Suggestion: diabetic complications | 146334 results

Tweet 73 Recom
Feedback | Help | By J Bouman | C
WikInstant.com | Instantionary.c

Diabetic foot ulcer burden may be modified by high-dose atorvastatin: A 6-month randomized controlled pilot trial.
Johansen OE, Birkeland KI, Jørgensen AP, Orvik E, Sørgård B, Torjussen BR, Ueland T, Aukrust P, Gullestad L
Journal of diabetes 2009 Sep

Progress in diabetes research in China.
Ning G, Hong J, Bi Y, Gu W, Zhang Y, Zhang Z, Huang Y, Wang W, Li X
Journal of diabetes 2009 Sep

Reactive oxygen-derived free radicals are key to the endothelial dysfunction of diabetes.
Shi Y, Vanhoutte PM
Journal of diabetes 2009 Sep

Periodontitis and Risk for Diabetes Mellitus - A Review.
Gurav A, Jadhav V
Journal of diabetes 2010 Oct 5

Molecular and vascular targets in the pathogenesis and management of the hypertension associated with preeclampsia.
Reslan OM, Khalil RA
Cardiovascular & hematological agents in medicinal chemistry 2010 Oct 1

[Atherothrombosis in patients with type 2 diabetes mellitus: an overview of pathophysiology]
Mafrici A, Proietti R
Giornale italiano di cardiologia (2006) 2010 Jun

[Hypoglycemic therapy in heart disease patients with type 2 diabetes mellitus]
Cosmi F, Cosmi D
Giornale italiano di cardiologia (2006) 2010 Jun

[Neoplastic polyendocrine syndromes and the kidney.]
Cremonini N
Giornale italiano di nefrologia : organo ufficiale della Societa italiana di nefrologia 2010 Sep-Oct

Comparative evaluation of micronutrient status in the serum of diabetes mellitus patients and healthy individuals with periodontitis.
Thomas B, Kumari S, Ramitha K, Ashwini Kumari MB
Journal of Indian Society of Periodontology 2010 Jan

Aliskiren improves insulin resistance and ameliorates diabetic vascular complications in db/db mice.
Kang YS, Lee MH, Song HK, Hyun YY, Cha JJ, Ko GJ, Kim SH, Lee JE, Han JY, Cha DR
Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association 2010 Oct 4

Platelet abnormalities in diabetes mellitus.
Luis Ferreiro J, Gómez-Hospital JA, Angiolillo DJ
Diabetes & vascular disease research : official journal of the International Society of Diabetes and Vascular Disease 2010 Oct 4

Glucose information for tight glycemic control: different methods with different challenges.
Weber C, Neeser K
Journal of diabetes science and technology 2010 Sep 1

A new classification of diabetic gait pattern based on cluster analysis of biomechanical data.

Group Exercise #3

- Break into three groups (5/group)
- Experiment with PMInstant, PubGet, PubReMiner and BibliMed
- Answer these questions:
  - What are the pros/cons of each?
  - Is there a scenario in which you would recommend one of these tools to a library user?
  - Is there a scenario in which you would use one of these tools yourself?

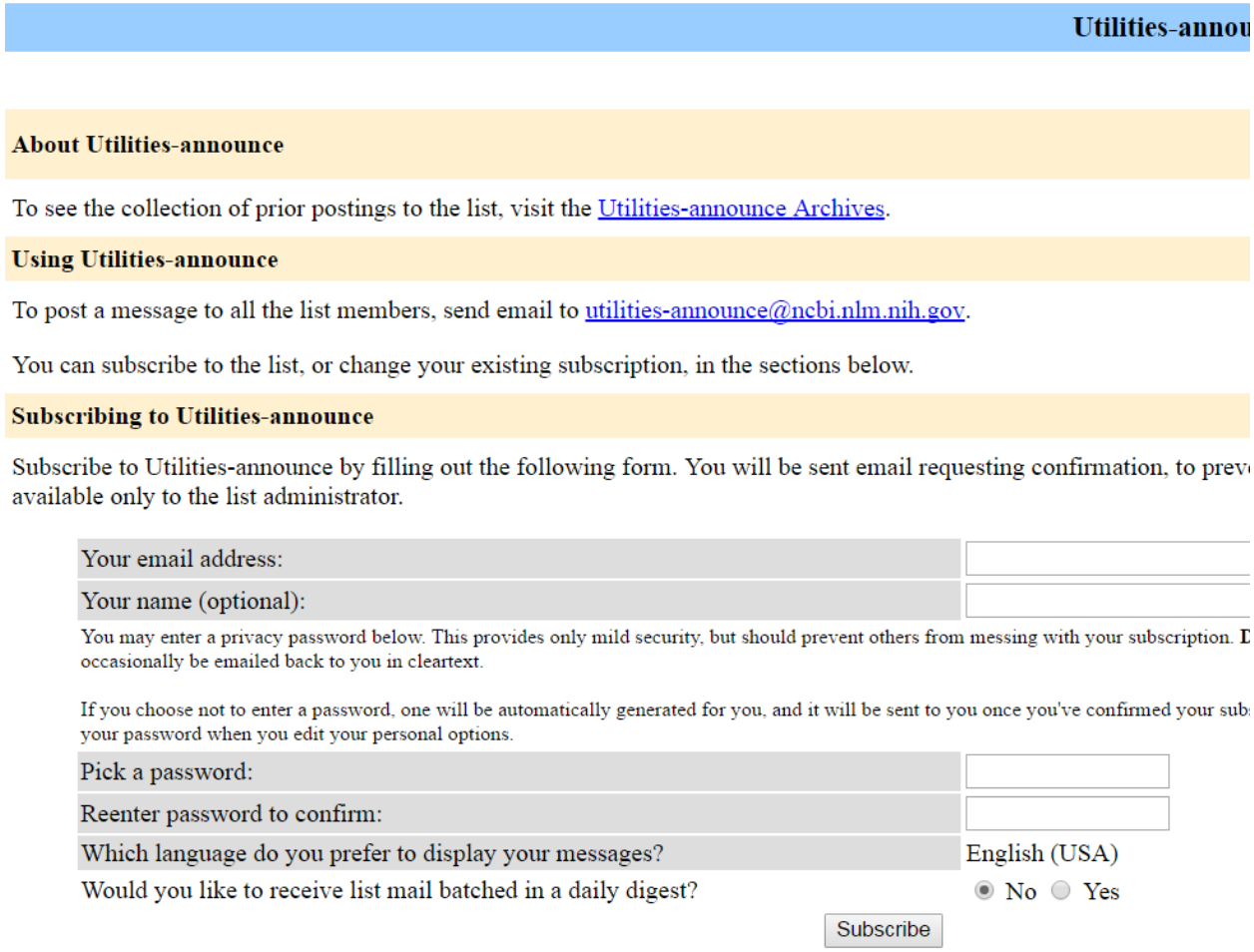
Third-party tools we have known…

- Quertle – went commercial
- Healia
- PubFocus
- Clustermed

Keeping Current with PubMed Third Party Tools

Ah, another listserv…

- E-Utilities listserv



Utilities-annou

About Utilities-announce

To see the collection of prior postings to the list, visit the Utilities-announce Archives.

Using Utilities-announce

To post a message to all the list members, send email to utilities-announce@ncbi.nlm.nih.gov.

You can subscribe to the list, or change your existing subscription, in the sections below.

Subscribing to Utilities-announce

Subscribe to Utilities-announce by filling out the following form. You will be sent email requesting confirmation, to prev
available only to the list administrator.

Your email address:	
Your name (optional):	

You may enter a privacy password below. This provides only mild security, but should prevent others from messing with your subscription. D
occasionally be emailed back to you in cleartext.

If you choose not to enter a password, one will be automatically generated for you, and it will be sent to you once you've confirmed your sub
your password when you edit your personal options.

Pick a password:	
Reenter password to confirm:	
Which language do you prefer to display your messages?	English (USA)
Would you like to receive list mail batched in a daily digest?	◉ No ○ Yes

Subscribe

Share feedback!

Feedback

- What ideas from third-party developers should NCBI adopt for PubMed?
- Which third-party tool(s) are you likely to use again? In what circumstances?
- If you could offer NLM one piece of advice, what would it be?

Thank you!

PLEASE DON'T FORGET TO COMPLETE YOUR EVALUATION….