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2014 JULY–AUGUST No. 399

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Three New CMT Subsets Available

Three New CMT Subsets Available. NLM Tech Bull. 2014 Jul-Aug;(399):b11.

2014 August 27 [posted]

Three new subsets from Convergent Medical Terminology (CMT) are now available for download from the UMLS Terminology Services (UTS) by UMLS licensees.

- The Cardiology subset includes 879 concepts Kaiser Permanente uses as Problem Lists for cardiology.
- The Musculoskeletal subset includes 3,710 concepts Kaiser Permanente uses for musculoskeletal problem lists.
- The Ophthalmology subset includes 2,505 concepts Kaiser Permanente uses as Problem Lists for ophthalmology.

For more information about CMT, see Kaiser Permanente Opens Access to CMT to Support HHS Health IT Goals Frequently Asked Questions.

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Structured Product Label/DailyMed Jamboree 2014 Workshop

Structured Product Label/DailyMed Jamboree 2014 Workshop. NLM Tech Bull. 2014 Jul-Aug;(399):b10.

2014 August 15 [posted]

The National Library of Medicine (NLM) is sponsoring a free public meeting, "SPL/DailyMed Jamboree 2014 Workshop – Practical use of DailyMed and RxNorm Drug Data." Speakers from the Federal government, industry, academia and non-profit sectors will speak on their experience with Structured Product Label (SPL) drug data as well as RxNorm.

Topics include SPLs and clinical decision support, extracting indication and drug interaction data from SPLs using natural language processing, e-prescribing experience within the Indian Health Service, Linked Data and SPLs, the use of RxNorm by the United States Pharmacopeia (USP), and more.

When: September 18, 9:30 AM to 4:15 PM EDT

Where: Lister Hill Auditorium, National Library of Medicine, 8600 Rockville Pike, NIH Building 38A, 1st Floor, Bethesda, Maryland 20894

Please see registration information and the agenda at: http://www.nlm.nih.gov/mesh/spl_workshop_2014.html.

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Webinar Series on the NIH Public Access Policy

Webinar Series on the NIH Public Access Policy. NLM Tech Bull. 2014 Jul-Aug;(399):b9.

2014 August 08 [posted]

National Institutes of Health (NIH) and the National Network of Libraries of Medicine, Southeastern/Atlantic Region will host two free Webinars on the NIH Public Access Policy and the role of libraries.

1. The NIH Public Access Policy - Information for Librarians
Date: Tuesday, August 19, 2014
Time: 1:00 PM - 2:30 PM EDT
Presenters:
Dr. Neil Thakur, National Institutes of Health
Kathryn Funk, National Library of Medicine

We will discuss the following topics:

- Review basics of the public access policy, and the role of librarians;
- Present the Public Access Compliance Monitor;
- Answer questions about the policy sent to us in advance via the online registration form;
- Address issues and questions raised during the Webinar.

Register at https://www3.gotomeeting.com/register/269124766. Space is limited, so reserve your seat now!

After registering you will receive a confirmation email containing information about joining the Webinar.

Logistics for this Webinar, including additional questions, comments and feedback may be sent to: OERwebinars@mail.nih.gov.

2. The NIH Public Access Policy - Views from the Library Trenches
Date: Tuesday, August 26, 2014
Time: 3:00 PM - 4:30 PM EDT
Presenters:
Emily Mazure, Duke University Medical Center Library
Susan Steelman and Jessie Casella, University of Arkansas for Medical Sciences Library
Scott Lapinski, Harvard University, Countway Library of Medicine

You have heard the specifics of the NIH Policy. Now find out how librarians are responding to the need to get researchers up to speed on compliance with the policy. Join us to find out the following:

- What strategies librarians are using to support their communities. What's worked; and what hasn't;
- How to get started, and which groups to work with at your institution;
- What tools librarians can use to help researchers and improve compliance rates;
- How librarians can work with each other to improve outcomes.

This Webinar will feature presentations from three libraries with experience on the ground helping researchers with the NIH Public Access Policy, followed by a Q&A with the audience. The presenters will discuss their unique approaches in the trenches of supporting and providing outreach on the policy.

Join this Webinar at https://webmeeting.nih.gov/npap
Participation limited to 125 connections, so please consider group viewing.
For telephone audio, dial 1-800-605-5167, and enter participant code: 816440

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New CMT Subsets Available

New CMT Subsets Available. NLM Tech Bull. 2014 Jul-Aug;(399):b8.

2014 August 07 [posted]

Three new subsets from Convergent Medical Terminology (CMT) are now available for download from the UMLS Terminology Services (UTS) by UMLS licensees.

- The Orthopedics subset includes 1088 concepts Kaiser Permanente uses as Problem Lists for orthopedics.
- The Top 2500 subset includes 2584 concepts; the top 2500 most frequently used problem list concepts.
- The Injuries subset includes 5825 concepts Kaiser Permanente uses as Problem Lists for injuries.

For more information about CMT, see Kaiser Permanente Opens Access to CMT to Support HHS Health IT Goals Frequently Asked Questions.

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New Tutorial: Searching Drugs or Chemicals in PubMed

New Tutorial: Searching Drugs or Chemicals in PubMed. NLM Tech Bull. 2014 Jul-Aug;(399):b7.

2014 August 06 [posted]

The National Library of Medicine (NLM) is pleased to announce a new PubMed Tutorial: Searching Drugs or Chemicals in PubMed.

The tutorial offers tips on effectively and efficiently searching PubMed for drugs and chemicals. Nine brief modules with video demonstrations include guidance on substance-related Medical Subject Headings (MeSH), using the MeSH Database, effective searching with pharmacological action terms, converting special characters in systematic names, and using tags in searching.

The new tutorial complements the suite of PubMed tutorials, Webinars and classes accessible by clicking PubMed Tutorials from the homepage of PubMed (see Figure 1).

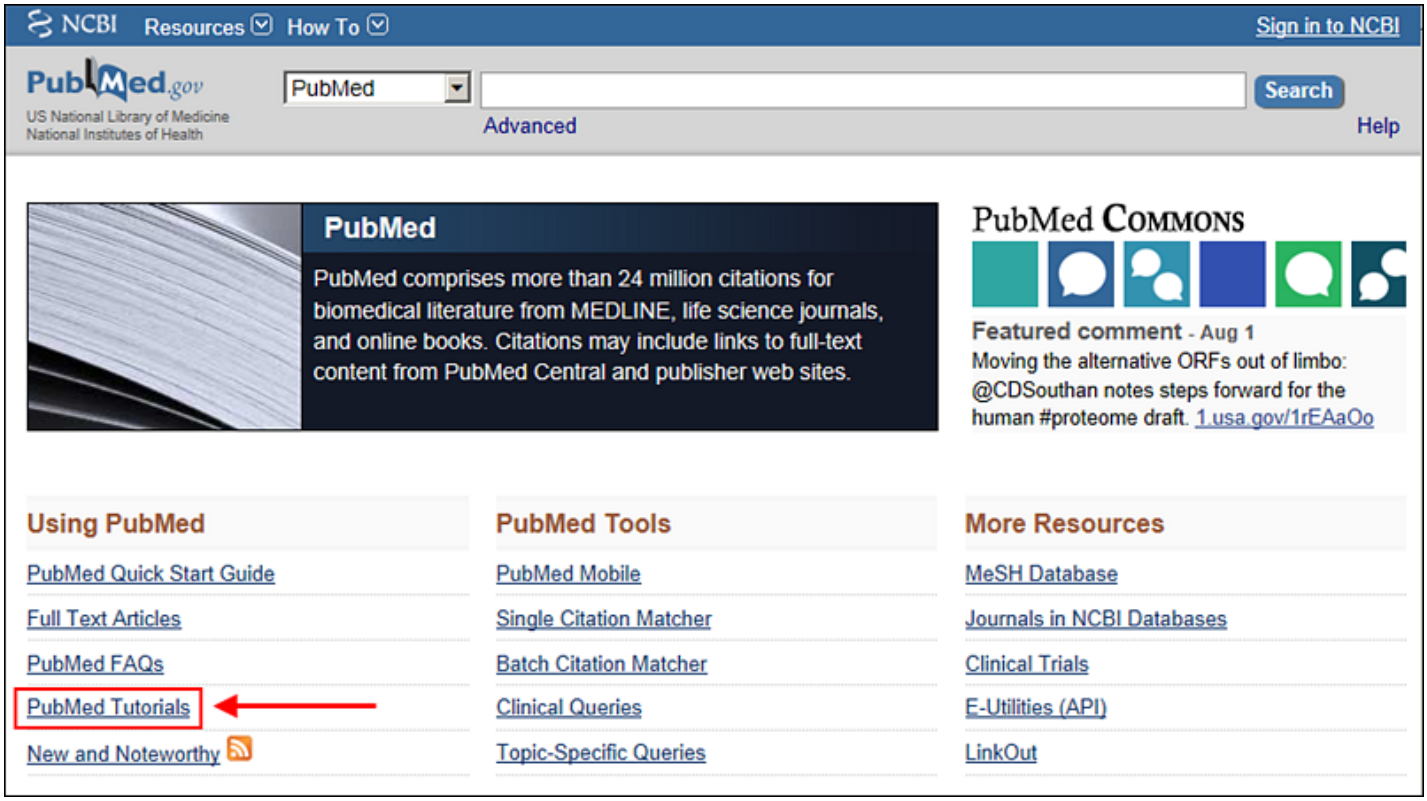

Figure 1: The PubMed homepage with a link to the PubMed Tutorials.

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SNOMED CT: International Release, July 2014, Available

SNOMED CT: International Release, July 2014, Available. NLM Tech Bull. 2014 Jul-Aug;(399):b6.

2014 August 01 [posted]

The July 2014 International Release of SNOMED CT® is available for download.

Additional Release Format 2 (RF2) to Release Format 1 (RF1) version compatibility tools are available for download on the same Web page. Users must have an active Unified Medical Language System (UMLS) Metathesaurus license and UMLS Terminology Services (UTS) account to access these files.

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NCBI Webinar "Using the New NCBI Variation Viewer to Explore Human Genetic Variation" on August 13, 2014

NCBI Webinar "Using the New NCBI Variation Viewer to Explore Human Genetic Variation" on August 13, 2014. NLM Tech Bull. 2014 Jul-Aug;(399):b5.

2014 July 23 [posted]

[Editor's Note: This is a reprint of an announcement published on the NCBI News page.]

On August 13th, NCBI will host a Webinar entitled "Using the New NCBI Variation Viewer to Explore Human Genetic Variation". This presentation will show you how to find human sequence variants by chromosome position, gene, disease names and database identifiers (RefSNP, Variant region IDs) using NCBI's new Variation Viewer.

You will learn how to browse the genome, navigate by gene or exon, filter results by one or more categories including allele frequencies from 1000 Genomes or GO-ESP, and link to related information in NCBI's molecular databases and medical genetic resources such as ClinVar, MedGen, and GTR. You will also be shown how to upload your own data to add to the display and download results.

Anyone who works with clinical or research variation data will find that the Variation Viewer provides a convenient and powerful way to access human variation data in a genomic context that is fully integrated with all other NCBI tools and databases.

To register, please go to this link https://attendee.gotowebinar.com/register/2762824590748330498.

Related Links:

- Variation Viewer: http://www.ncbi.nlm.nih.gov/variation/view
- 1000 Genomes: http://www.ncbi.nlm.nih.gov/variation/tools/1000genomes/
- GO-ESP: http://www.ncbi.nlm.nih.gov/bioproject/165957
- ClinVar: http://www.ncbi.nlm.nih.gov/clinvar/
- MedGen: http://www.ncbi.nlm.nih.gov/medgen/
- GTR: http://www.ncbi.nlm.nih.gov/gtr/?

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Last updated: 23 July 2014
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"BLAST in the Cloud!" — Webinar showcases NCBI-BLAST Amazon Machine Image on July 30, 2014

"BLAST in the Cloud!" — Webinar showcases NCBI-BLAST Amazon Machine Image on July 30, 2014. NLM Tech Bull. 2014 Jul-Aug;(399):b4.

2014 July 23 [posted]

[Editor's Note: This is a reprint of an announcement published on the NCBI News page.]

As stated on June 26, Web and stand-alone BLAST are now available on Amazon Web Services (AWS).

On July 30, 2014, NCBI will offer a Webinar entitled "BLAST in the Cloud". This presentation will show you how to log on to AWS and deploy the NCBI-BLAST Amazon Machine Image (AMI) quickly. The BLAST AMI includes the BLAST+ applications, a client that can download databases from the NCBI, a Web application that implements a subset of the NCBI URL API, and a simplified BLAST search Web page. Prior knowledge of using Web and standalone BLAST is required.

To register, please go to this link: https://attendee.gotowebinar.com/register/8126572163773355778.

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Last updated: 23 July 2014
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NLM Resource Update: ChemID*plus*

NLM Resource Update: ChemID*plus*. NLM Tech Bull. 2014 Jul-Aug;(399):b3.

2014 July 21 [posted]

[Editor's Note: This is a reprint of an announcement published on NLM-Tox-Enviro-Health-L, an e-mail announcement list available from the NLM Division of Specialized Information Services. To subscribe to this list, please see the NLM-TOX-ENVIRO-HEALTH-L Join, Leave, or Change Options page.]

The National Library of Medicine (NLM) ChemID*plus* has added some exciting new features. Check them out at http://chem.sis.nlm.nih.gov/chemidplus/:

- A new "3D" button on search results pages provides calculated three dimensional structure models for over 300,000 chemicals and 645,000 variations. Users can adjust the rotation speed, the image type (ball and stick, space fill, wireframe), and 3D angle of viewing; dragging the image changes its orientation. Right clicking on the structure box provides other control options such as color, style, measurements, and computation. The open source JSMol program is used for viewing these models. Another feature offers 3D when viewed with Red/Cyan, Red/Green or Red/Blue glasses, allowing for unique visualization of a molecule with depth perception.
- The ChemID*plus* structure box now uses quick-loading Marvin for JavaScript (free; requires IE9 or above). The Marvin Applet version is also available in a pull-down for legacy browsers.
- ChemID*plus* is now IPhone IOS and Android OS friendly. Buttons collapse to neatly fit the phone screen, and the structures can be displayed.

ChemID*plus* is a dictionary of over 400,000 chemicals (names, synonyms, and structures). It includes links to NLM and other databases and resources, including ones to over 100 federal, state and international agencies. ChemID*plus* Lite is designed for simple searching on name or registry number. ChemID*plus* Advanced helps users draw their own structures and perform similarity and substructure searches. ChemID*plus* records are updated daily.

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PubMed Update: Social Media Icons Added

PubMed Update: Social Media Icons Added. NLM Tech Bull. 2014 Jul-Aug;(399):b2.

2014 July 11 [posted]

Social media icons have been added to the PubMed Abstract display (see Figure 1).

Figure 1: The PubMed Abstract Display with social media icons for Facebook, Twitter, and Google+.

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New US Content Request System Tutorials Available

New US Content Request System Tutorials Available. NLM Tech Bull. 2014 Jul-Aug;(399):b1.

2014 July 01 [posted]

The National Library of Medicine (NLM) is pleased to announce the availability of a suite of US Systematized Nomenclature of Medicine - Clinical Terms (SNOMED CT) Content Request System* (USCRS) tutorials. USCRS is the NLM system that allows users to request basic changes to the clinical terminology, SNOMED CT.

The tutorials are available as a link from the USCRS, the UMLS Video Learning Resources page, the NLM Distance Education Resources page and the NLM YouTube site. The tutorials cover the principles and application of USCRS divided into four modules:

1. Introduction to USCRS
2. Searching on USCRS
3. Types of Requests
4. Submitting Content Requests on USCRS

Additional tutorials and SNOMED CT Quick Tours including USCRS Batch Upload are planned. We encourage comments and suggestions for further topics. Please send comments, suggestions, and questions to custserv@nlm.nih.gov.

*The US SNOMED CT Content Request System is an important new tool in the NLM effort to support the development, enhancement, and distribution of clinically specific vocabularies to facilitate the exchange of clinical data and improve retrieval of health information. SNOMED CT is one of a suite of designated standards for use in U.S. Federal Government systems for the electronic exchange of clinical health information and is also a required standard in interoperability specifications of the U.S. Healthcare Information Technology Standards Panel.

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MeSH on Demand Update: How to Find Citations Related to Your Text

Cho D. MeSH on Demand Update: How to Find Citations Related to Your Text. NLM Tech Bull. 2014 Jul-Aug;(399):e4.

2014 August 22 [posted]

In May 2014, NLM introduced MeSH on Demand, a Web-based tool that suggests MeSH terms from your text such as an abstract or grant summary up to 10,000 characters using the MTI (Medical Text Indexer) software. For more background information, see the article, *MeSH on Demand Tool: An Easy Way to Identify Relevant MeSH Terms*.

New Feature

A new MeSH on Demand feature displays the PubMed ID (PMID) for the top ten related citations in PubMed that were also used in computing the MeSH term recommendations.

To access this new feature start from the MeSH on Demand homepage (see Figure 1), add your text, such as a project summary, into the box labeled "**Text to be Processed**." Then, click the "Find MeSH Terms" button.

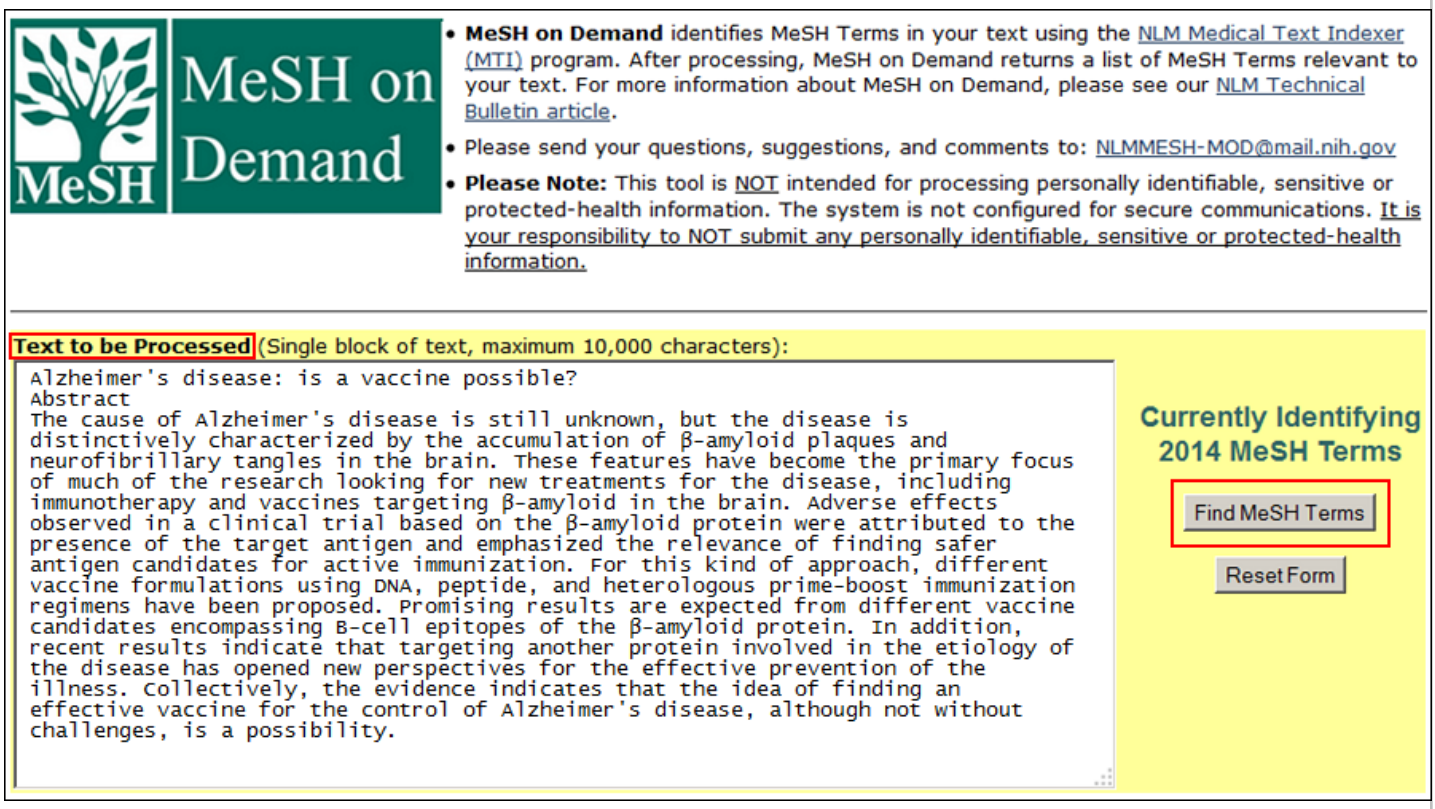
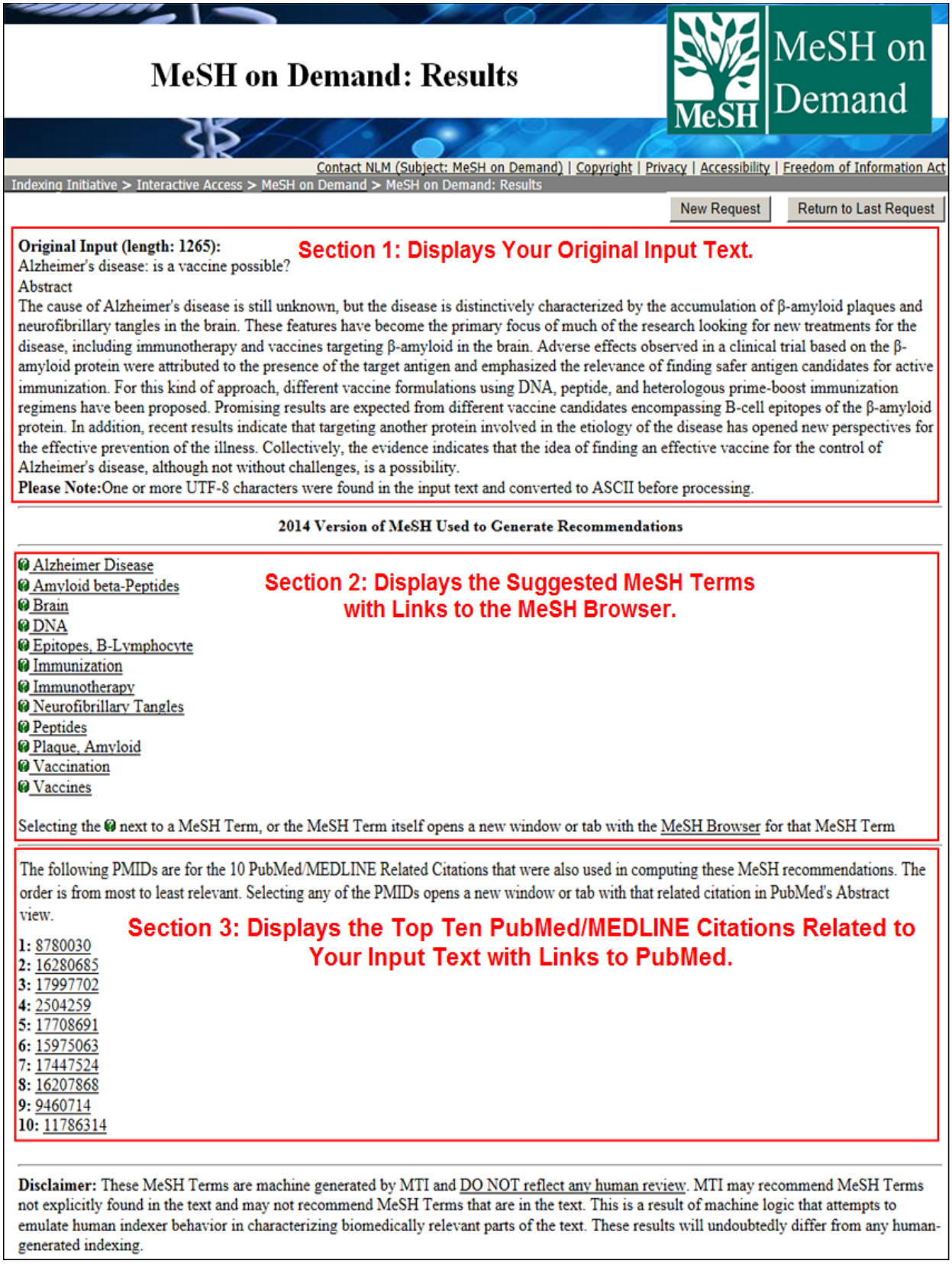


Figure 1: The MeSH on Demand homepage.

The MeSH on Demand results page is organized into three sections (see Figure 2):

- Section 1: Original Input Text (with the length of the input text)
- Section 2: MeSH Terms with Links to the MeSH Browser
- Section 3: Top Ten PubMed/MEDLINE Citations Related to Your Text

MeSH on Demand lists the top ten related citation PMIDs from PubMed/MEDLINE. Each PMID is hyperlinked to that citation in PubMed.



MeSH on Demand: Results

MeSH on Demand

Contact NLM (Subject: MeSH on Demand) | Copyright | Privacy | Accessibility | Freedom of Information Act

Indexing Initiative > Interactive Access > MeSH on Demand > MeSH on Demand: Results

New Request | Return to Last Request

Original Input (length: 1265):

Section 1: Displays Your Original Input Text.

Alzheimer's disease: is a vaccine possible?

Abstract

The cause of Alzheimer's disease is still unknown, but the disease is distinctively characterized by the accumulation of β-amyloid plaques and neurofibrillary tangles in the brain. These features have become the primary focus of much of the research looking for new treatments for the disease, including immunotherapy and vaccines targeting β-amyloid in the brain. Adverse effects observed in a clinical trial based on the β-amyloid protein were attributed to the presence of the target antigen and emphasized the relevance of finding safer antigen candidates for active immunization. For this kind of approach, different vaccine formulations using DNA, peptide, and heterologous prime-boost immunization regimens have been proposed. Promising results are expected from different vaccine candidates encompassing B-cell epitopes of the β-amyloid protein. In addition, recent results indicate that targeting another protein involved in the etiology of the disease has opened new perspectives for the effective prevention of the illness. Collectively, the evidence indicates that the idea of finding an effective vaccine for the control of Alzheimer's disease, although not without challenges, is a possibility.

Please Note: One or more UTF-8 characters were found in the input text and converted to ASCII before processing.

2014 Version of MeSH Used to Generate Recommendations

Section 2: Displays the Suggested MeSH Terms with Links to the MeSH Browser.

- Alzheimer Disease
- Amyloid beta-Peptides
- Brain
- DNA
- Epitopes, B-Lymphocyte
- Immunization
- Immunotherapy
- Neurofibrillary Tangles
- Peptides
- Plaque, Amyloid
- Vaccination
- Vaccines

Selecting the next to a MeSH Term, or the MeSH Term itself opens a new window or tab with the MeSH Browser for that MeSH Term

The following PMIDs are for the 10 PubMed/MEDLINE Related Citations that were also used in computing these MeSH recommendations. The order is from most to least relevant. Selecting any of the PMIDs opens a new window or tab with that related citation in PubMed's Abstract view.

Section 3: Displays the Top Ten PubMed/MEDLINE Citations Related to Your Input Text with Links to PubMed.

1: 8780030
2: 16280685
3: 17997702
4: 2504259
5: 17708691
6: 15975063
7: 17447524
8: 16207868
9: 9460714
10: 11786314

Disclaimer: These MeSH Terms are machine generated by MTI and DO NOT reflect any human review. MTI may recommend MeSH Terms not explicitly found in the text and may not recommend MeSH Terms that are in the text. This is a result of machine logic that attempts to emulate human indexer behavior in characterizing biomedically relevant parts of the text. These results will undoubtedly differ from any human-generated indexing.

Figure 2: The MeSH on Demand results page.

Suggestions and Feedback

This new feature in MeSH on Demand is a result of user feedback received from our initial MeSH on Demand release. We encourage users to continue to send questions, suggestions, and comments to: NLMMESH-MOD@mail.nih.gov

By Dan Cho

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Updated Policy for MEDLINE Indexing Requirements for Electronic Journals (2014)

Gillikin D. Updated Policy for MEDLINE Indexing Requirements for Electronic Journals (2014). NLM Tech Bull. 2014 Jul-Aug;(399):e3.

2014 July 30 [posted]

The NLM MEDLINE Policy on Indexing Electronic Journals has been revised as of July 21, 2014. This policy concerns electronic journals that are indexed in the MEDLINE/PubMed database.

There are three required conditions that electronic-only journals must meet in order for the journal to be indexed in MEDLINE:

1. Provide NLM with XML-tagged data of its bibliographic citations.
2. Provide robust current access to all its content under a license allowing efficient support of NLM operations, onsite services, and interlibrary loan.
3. Have an acceptable arrangement for permanent preservation of, and access to, the published content.

The revised policy modifies the third condition concerning preservation. Electronic-only journals depositing into a certified archive site no longer need to send a PDF/A version of the journal's articles to NLM. MEDLINE journals that have currently been providing PDF/A files are no longer required to do so.

The updated preservation compliance condition now requires an electronic-only journal to promptly deposit tagged, full-text content into PubMed Central or into a certified third-party repository able to provide robust access to NLM and NIH if there is a trigger event (e.g., publisher ceases operations and title is not available from another source, catastrophic failure of publisher's delivery system). A certified repository is one that has been designated as such according to the Trustworthy Repositories Audit and Certification Checklist (TRAC) and other metrics developed by the Center for Research Libraries (CRL). See the CRL Certification and Assessment of Digital Repositories page for the current list of certified repositories.

Additional information on the policy is available from the FAQ: MEDLINE Indexing Requirements for Electronic Journals.

By David Gillikin
Bibliographic Services Division

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Free Online TOXNET Class Offered Fall 2014 By the National Library of Medicine Training Center (NTC)

Dennis S. Free Online TOXNET Class Offered Fall 2014 By the National Library of Medicine Training Center (NTC). NLM Tech Bull. 2014 Jul-Aug;(399):e2.

2014 July 23 [posted]

The National Library of Medicine Training Center (NTC) is offering an online, asynchronous class called "Discovering TOXNET" from October 20 – November 14, 2014.

Discover TOXNET and other NLM environmental health databases through videos, guided tutorials, and discovery exercises. The class is taught online in thirteen independent modules.

TOXNET is a Web-based system of databases covering hazardous chemicals, environmental health, toxic releases, chemical nomenclature, poisoning, risk assessment and regulations, and occupational safety and health. The independent modules cover TOXLINE, ChemIDplus, TRI, TOXMAP, Hazardous Substances Data Bank, IRIS, Haz-Map, LactMed, WISER, CHEMM, REMM, LiverTox, and more. You will learn about the resources through videos, guided tutorials, and discovery exercises.

Who should take the class?
Health sciences librarians and health or environmental sciences professionals interested in unlocking the information in TOXNET and the other environmental health and toxicology resources.

How much time?
Work at your own pace, on your own time, over a period of 4 weeks to complete the modules that are of interest to you. There is one required module; the remaining modules are optional. This class is offered for variable MLA Continuing Education credit. Each module will be offered for 0.5 to 2.0 credit hours, for a total of up to 12 hours. Credit will not be awarded for partial completion of a module. Total credit awarded will be based on completed modules with a minimum of 1.0 credit hours.

What happens during the class?
This course is offered asynchronously through Moodle™; you will work at your own pace. Each module consists of guided interactive online tutorials and/or tutorial videos as well as discovery exercises. Instructors will be available to answer questions and provide assistance throughout the course.

The modules are:

1. Introduction to TOXNET: 0.5 hour (Required)
2. TOXLINE: 1.0 hour
3. ChemIDplus: 2.0 hours
4. Integrated Risk Information System & Risk Assessment: 1.0 hour
5. Hazardous Substances Databank: 1.5 hours
6. Toxic Release Inventory: 1.0 hour
7. TOXMAP: 1.5 hours
8. Household Products Database: 0.5 hour
9. LactMed: 0.5 hour
10. Haz-Map: 0.5 hour
11. WISER & CHEMM: 1.0 hour
12. REMM: 0.5 hour
13. LiverTox: 0.5 hour

How do I register?

Space in the class is limited, so don't delay! Register now at:
http://nnlm.gov/ntcc/classes/class_details.html?class_id=809

For questions, contact the NTC at ntc@utah.edu.

By Sharon Dennis
National Library of Medicine Training Center

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Save the Dates: 2015 "A Librarian's Guide to NCBI" Course

Zipser J. Save the Dates: 2015 "A Librarian's Guide to NCBI" Course. NLM Tech Bull. 2014 Jul-Aug;(399):e1.

2014 July 10 [posted]

> *"This course was a great idea and very well executed! I learned a lot and am much more confident going back to my institution and teaching these resources as well as starting an information service. It'll take time to become proficient but this was a great start!"*
>
> *"The singularly most useful and interesting class I've taken in years."*
>
> *-- Comments from recent class participants*

Attention health science librarians in the United States who wish to initiate and/or extend bioinformatics services at your institution! The National Center for Biotechnology Information (NCBI) and the NLM Training Center (NTC) will be offering "A Librarian's Guide to NCBI" course in 2015. Participants who complete the class will be eligible for Medical Library Association (MLA) Continuing Education credits. The course is free, but travel costs are at the expense of the participant.

There are two parts to the course, and applicants must take both parts:

- Part 1: "Fundamentals in Bioinformatics and Searching" is a six-week, online (asynchronous) pre-course.
- Part 2: A five-day in-person course offered on-site at the National Library of Medicine in Bethesda, Maryland.

Important Dates:
Monday, September 29, 2014 – Watch for a detailed announcement about the course and application process here in the *NLM Technical Bulletin*.
Monday, November 17, 2014 – Application deadline
Monday, December 15, 2014 – Acceptance notifications e-mailed
Monday, January 12, 2015 – "Fundamentals in Bioinformatics and Searching" pre-course begins
Monday, March 9, 2015 – "A Librarian's Guide to NCBI" five-day in-person class begins at NLM

Mark your calendars for this training opportunity.

By Janet Zipser
MEDLARS Management Section

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