Metab2MeSH
User Guide

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CONTACTS

Metab2Mesh Help

NCIBI maintains a listserv (ncibi-list@umich.edu) that provides tool and data support for users and collaborators.

Click here to join.

Non-list members may also e-mail the list at ncibi-list@umich.edu for technical support as well as browse the list archive.

Website: http://metab2mesh.ncibi.org

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ABOUT METAB2MESH

What is Metab2MeSH?

Metab2MeSH uses a statistical approach to reliably and automatically annotate biological substances with the concepts defined in MeSH, the National Library of Medicine's controlled vocabulary for biology and medicine. The Metab2MeSH web application searches biological substances or MeSH (Medical Subject Heading) terms and displays resulting pairs of substances and MeSH terms that match the search term. The substance / MeSH term pairs displayed are those that are significantly associated in PubMed abstracts and are ordered highest to lowest by significance score.

How Metab2MeSH is Created

The NCIBI PubMed database is downloaded from the NLM, parsed and loaded into a relational database. MeSH indexing terms are used as provided by the NLM distribution. The significance of association between substances and MeSH terms are calculated by evaluated using Fisher's exact test using the R statistics package.

Metab2MeSH is currently a static database but will be regularly updated in the future.

Suggested Citation

Ade, AS; States, DJ; Wright, ZC; Metab2MeSH [Internet]. Ann Arbor (MI): National Center for Integrative Biomedical Informatics. 2007 Mar.
Available from http://metab2mesh.ncibi.org

GETTING STARTED

Searching

1. Select whether you would like to search by MeSH term or substance by clicking the appropriate radio button.
2. Enter your search term into the search field and click the **Metab2MeSH Search** button.
3. Click on any MeSH term or substance to search again with that specific term.
4. Use the history tracker to go back to previous search results.

Searching Tips

- Click the book icon to lookup the MeSH term in NCBI.
- Click "download" to download the results into a tab delimited text file.