CDE Tools v 0.1 Manual

Features

CDE Tools is an Ontology term query and annotation Excel Add-in, user can search terms information from BioPortal^[1], MedPortal^[2] and OLS^[3] easy and quickly by CDE Tools, and direct inset in sheet, it base on ExcelDNA^[4], user also can annotate term by this Tools.

Usage

Double click Excel 2010 and above .NET 4.0 and above Window 7 and above

Main Functions

CDE Tools hat 2 Function Terms search and annotation Figure 1 is main interface

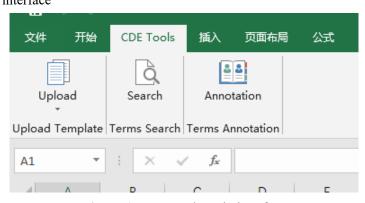


Figure 1: CDE Tools main interface

After clicking the "Search" option, a window for term search will pop up, as shown in Figure 2.

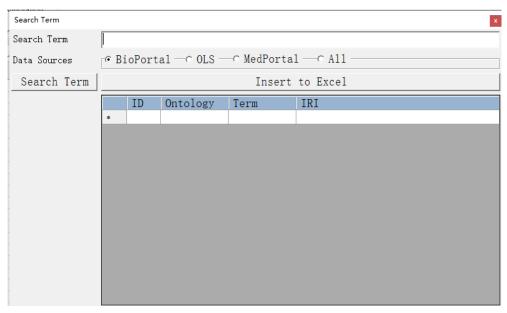


Figure 2: The term search interface

user can input the term such as "Melanoma" in the search box of search-interface, there are four options below the input box, user can click on any source, and click the search button to search, the default is "Bioportal", When the user selects All, a global search is performed, and the search results are as follows:

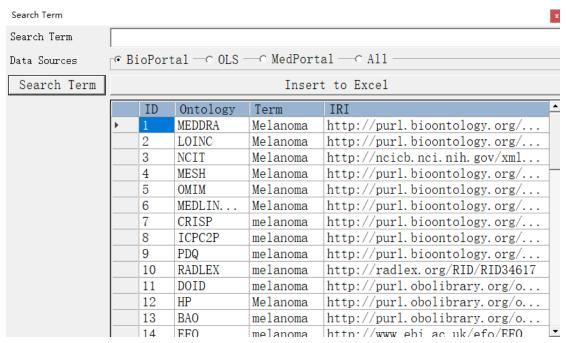


Figure 3: Search in BioPortal

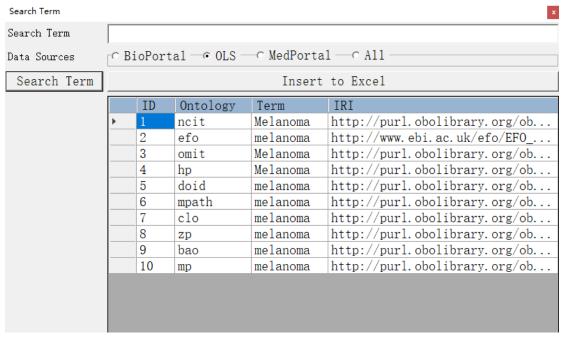


Figure 4: Search in OLS

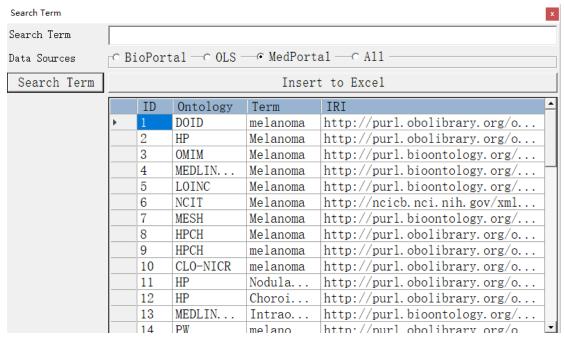


Figure 5: Search in MedPortal

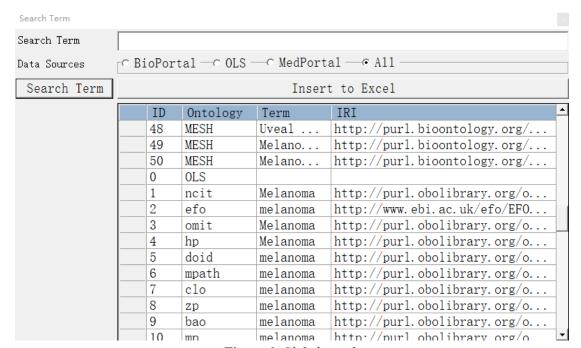


Figure 6: Global search

The user can select the data after the query, click the insert button, and insert it directly into the table, as shown in Figure 7.

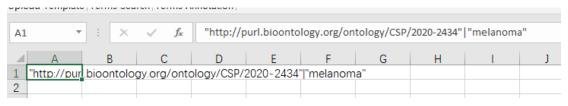


Figure 7: Insert information directly into Excel

The term annotation

After clicking the "Annotation" option, a window pops up, as shown in Figure 8:

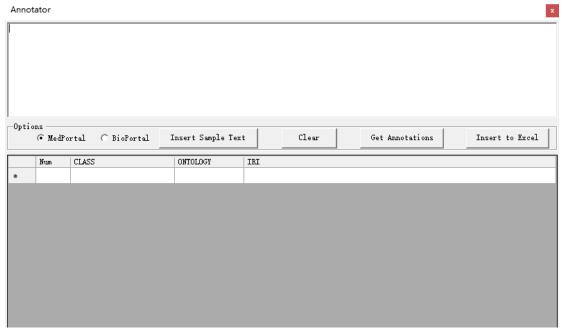


Figure 8: Annotation interface

The user can choose between MedPortal or BioPortal, and click "Insert Sample Text" to get the reference text, as shown in Figure 9:

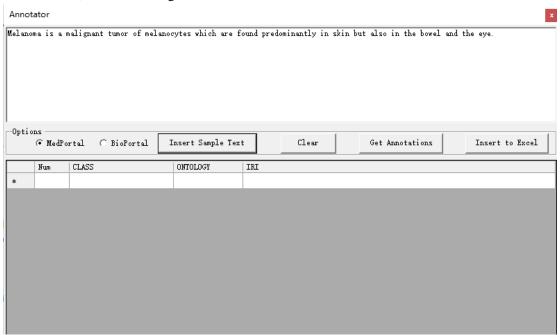


Figure 9: insert annotated text

Click "Clear" to clear all the text in the text box, as shown in Figure 10:

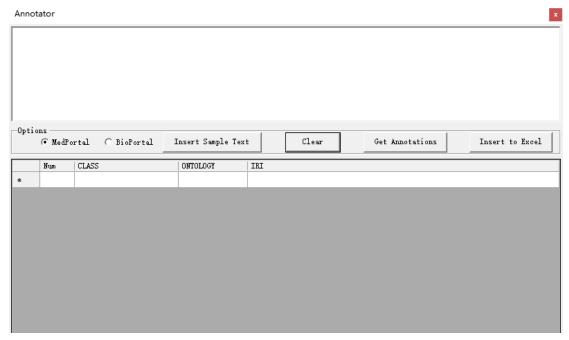


Figure 10: Cleanup text

After input text, the user can click the "Get Annotations" button to get the annotation of the text, as shown in Figure 11:

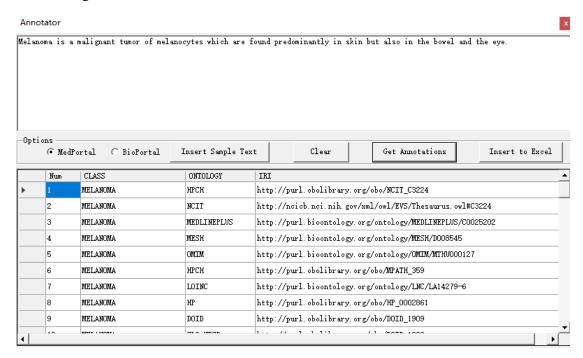


Figure 11: Annotated result

- [1] Bioportal: https://bioportal.bioontology.org/
- [2] Medportal: http://medportal.bmicc.cn/
- [3] OLS (Ontology Lookup Service): https://www.ebi.ac.uk/ols/index
- [4] ExcelDNA WebLink: https://excel-dna.net/