

Resource Summary Report

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Ontology Lookup Service

RRID:SCR_006596

Type: Tool

Proper Citation

Ontology Lookup Service (RRID:SCR_006596)

Resource Information

URL: <http://www.ebi.ac.uk/ontology-lookup/>

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Description: Interactive and programmatic interfaces to query, browse and navigate an increasing number of biomedical ontologies and controlled vocabularies. It provides a web service interface to query multiple ontologies from a single location with a unified output format. It can integrate any ontology available in the Open Biomedical Ontology (OBO) format. The database can be queried to obtain information on a single term or to browse a complete ontology using AJAX. Auto-completion provides a user-friendly search mechanism. An AJAX-based ontology viewer is available to browse a complete ontology or subsets of it. A weekly MySQL database export file can be downloaded from the EBI public FTP directory.

Abbreviations: OLS

Synonyms: OLS - Ontology Lookup Service, Ontology Lookup Service (OLS)

Resource Type: data access protocol, data or information resource, database, software resource, source code, web service

Defining Citation: [PMID:18467421](#), [PMID:16507094](#)

Keywords: ontology, ontology or annotation browser, ontology or annotation search engine, gold standard

Funding: BBSRC ;
iSPIDER ;
European Union FP6 Felics contract 021902 (RII3)

Availability: Apache License, v2, Acknowledgement requested

Resource Name: Ontology Lookup Service

Resource ID: SCR_006596

Alternate IDs: OMICS_02275, nif-0000-10390, r3d100010413

Alternate URLs: <https://doi.org/10.17616/R3GS9G>

Old URLs: <http://www.ebi.ac.uk/ols>

Record Creation Time: 20220129T080237+0000

Record Last Update: 20260821T193751+0000

Ratings and Alerts

No rating or validation information has been found for Ontology Lookup Service.

No alerts have been found for Ontology Lookup Service.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Boldt K, et al. (2016) An organelle-specific protein landscape identifies novel diseases and molecular mechanisms. Nature communications, 7, 11491.

Malladi VS, et al. (2015) Ontology application and use at the ENCODE DCC. Database : the journal of biological databases and curation, 2015.

Wu TJ, et al. (2015) Generating a focused view of disease ontology cancer terms for pan-cancer data integration and analysis. Database : the journal of biological databases and curation, 2015, bav032.

Hoehndorf R, et al. (2015) The role of ontologies in biological and biomedical research: a functional perspective. Briefings in bioinformatics, 16(6), 1069.

Silva JV, et al. (2015) Amyloid precursor protein interaction network in human testis: sentinel proteins for male reproduction. BMC bioinformatics, 16(1), 12.

Hayamizu TF, et al. (2015) Mouse anatomy ontologies: enhancements and tools for exploring and integrating biomedical data. Mammalian genome : official journal of the International Mammalian Genome Society, 26(9-10), 422.

Mayer G, et al. (2014) Controlled vocabularies and ontologies in proteomics: overview, principles and practice. Biochimica et biophysica acta, 1844(1 Pt A), 98.

Van Roey K, et al. (2013) Capturing cooperative interactions with the PSI-MI format. Database : the journal of biological databases and curation, 2013, bat066.

Mallikarjun V, et al. (2012) Cellular redox potential and the biomolecular electrochemical series: a systems hypothesis. Free radical biology & medicine, 53(2), 280.

Ganzinger M, et al. (2012) On the ontology based representation of cell lines. PloS one, 7(11), e48584.

Hamilton DJ, et al. (2012) An ontological approach to describing neurons and their relationships. Frontiers in neuroinformatics, 6, 15.

Brusniak MY, et al. (2011) ATAQS: A computational software tool for high throughput transition optimization and validation for selected reaction monitoring mass spectrometry. BMC bioinformatics, 12, 78.

Prodanov D, et al. (2011) Data ontology and an information system realization for web-based management of image measurements. Frontiers in neuroinformatics, 5, 25.

van Ommen B, et al. (2010) Challenges of molecular nutrition research 6: the nutritional phenotype database to store, share and evaluate nutritional systems biology studies. Genes & nutrition, 5(3), 189.

Turner B, et al. (2010) iRefWeb: interactive analysis of consolidated protein interaction data and their supporting evidence. Database : the journal of biological databases and curation, 2010, baq023.

Vizca??no JA, et al. (2009) A guide to the Proteomics Identifications Database proteomics data repository. Proteomics, 9(18), 4276.

Huntley RP, et al. (2009) QuickGO: a user tutorial for the web-based Gene Ontology browser. Database : the journal of biological databases and curation, 2009, bap010.

Noy NF, et al. (2009) BioPortal: ontologies and integrated data resources at the click of a mouse. Nucleic acids research, 37(Web Server issue), W170.

Degtyarenko K, et al. (2008) ChEBI: a database and ontology for chemical entities of biological interest. Nucleic acids research, 36(Database issue), D344.

Mallon AM, et al. (2008) EuroPhenome and EMPReSS: online mouse phenotyping resource. Nucleic acids research, 36(Database issue), D715.