Resource Summary Report

Generated by RRID on Aug 10, 2026

LinkHub: A Semantic Web System that facilitates cross-database queries and information retrieval in proteomics

RRID:SCR_001844
Type: Tool

Proper Citation

LinkHub: A Semantic Web System that facilitates cross-database queries and information retrieval in proteomics (RRID:SCR_001844)

Resource Information

URL:
http://www.pubmedcentral.nih.gov/articlerender.fcgi?tool=pubmed&pubmedid=17493288

Proper Citation: LinkHub: A Semantic Web System that facilitates cross-database queries and information retrieval in proteomics (RRID:SCR_001844)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 23,2022. LinkHub is a software system using Semantic Web RDF that manages the graph of identifier relationships and allows exploration with a variety of interfaces. It leverages Semantic Web standards-based integrated data to provide novel information retrieval to identifier-related documents through relational graph queries, simplifies and manages connections to major hubs such as UniProt, and provides useful interactive and query interfaces for exploring the integrated data. For efficiency, it is also provided with relational-database access and translation between the relational and RDF versions. LinkHub is practically useful in creating small, local hubs on common topics and then connecting these to major portals in a federated architecture; LinkHub was used to establish such a relationship between UniProt and the North East Structural Genomics Consortium. LinkHub also facilitates queries and access to information and documents related to identifiers spread across multiple databases, acting as connecting glue between different identifier spaces. LinkHub is available at hub.gersteinlab.org and hub.nesg.org with supplement, database models and full-source code. Sponsors: Funding for this work comes from NIH/NIGMS grant P50 GM62413-01, NIH grant K25 HG02378, and NSF grant DBI-0135442.

Synonyms: LinkHub

Resource Type: database, data or information resource

Defining Citation: PMID:17493288

Keywords: genomics, graph query, identifier relationships, relational-database, software system

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: LinkHub: A Semantic Web System that facilitates cross-database queries and information retrieval in proteomics

Resource ID: SCR_001844

Alternate IDs: nif-0000-10406

Record Creation Time: 20220129T080209+0000

Record Last Update: 20260808T190338+0000

Ratings and Alerts

No rating or validation information has been found for LinkHub: A Semantic Web System that facilitates cross-database queries and information retrieval in proteomics.

No alerts have been found for LinkHub: A Semantic Web System that facilitates cross-database queries and information retrieval in proteomics.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Huang CC, et al. (2016) Discovering biomedical semantic relations in PubMed queries for information retrieval and database curation. Database : the journal of biological databases and curation, 2016.

Gupta S, et al. (2016) miRiaD: A Text Mining Tool for Detecting Associations of microRNAs with Diseases. Journal of biomedical semantics, 7(1), 9.

Vinkers CH, et al. (2015) Use of positive and negative words in scientific PubMed abstracts between 1974 and 2014: retrospective analysis. BMJ (Clinical research ed.), 351, h6467.

Thompson P, et al. (2015) Prediction of relevant biomedical documents: a human microbiome case study. BioData mining, 8, 28.

Salavirta H, et al. (2014) Mitochondrial genome of Phlebia radiata is the second largest (156 kbp) among fungi and features signs of genome flexibility and recent recombination events. PloS one, 9(5), e97141.

Kwon D, et al. (2014) Assisting manual literature curation for protein-protein interactions using BioQRator. Database : the journal of biological databases and curation, 2014.

Yeganova L, et al. (2012) Finding biomedical categories in Medline®. Journal of biomedical semantics, 3 Suppl 3(Suppl 3), S3.

Névéol A, et al. (2012) Improving links between literature and biological data with text mining: a case study with GEO, PDB and MEDLINE. Database : the journal of biological databases and curation, 2012, bas026.

Bettembourg C, et al. (2012) GO2PUB: Querying PubMed with semantic expansion of gene ontology terms. Journal of biomedical semantics, 3(1), 7.

Islamaj Dogan R, et al. (2009) Understanding PubMed user search behavior through log analysis. Database : the journal of biological databases and curation, 2009, bap018.

van Driel MA, et al. (2005) GeneSeeker: extraction and integration of human disease-related information from web-based genetic databases. Nucleic acids research, 33(Web Server issue), W758.