

Resource Summary Report

Generated by SPARC SAWG on Sep 16, 2026

linked life data - a semantic data integration platform for the biomedical domain

RRID:SCR_010642

Type: Tool

Proper Citation

linked life data - a semantic data integration platform for the biomedical domain
(RRID:SCR_010642)

Resource Information

URL: <http://linkedlifedata.com/>

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Description: A platform for semantic data integration through RDF warehousing and efficient reasoning that helps to resolve conflicts in the data. Search and explore over 5 billion RDF statements from various sources including UniProt, PubMed, EntrezGene and 20 more... Perform complex SPARQL queries and retrieve more than one billion RDF resources. One of the major problems that biotechnology and pharmaceutical industries face today is how to combine data from multiple sources and make their research more productive. Data integration takes much time and often leads to errors and redundancies that require more time and resources to resolve. LinkedLifeData is a data warehouse that syndicates tons of heterogeneous biomedical knowledge in a common data model. The platform uses an extension of the RDF model that is able to track the provenance of each individual fact in the repository and thus update the information. Data Sources include: Disease Ontology, LinkedCT, Reactome, HPRD, DBPedia, UniProt, CellMap, NCBI Entrez-Gene, UMLS, IMID, MINT, DrugBank, LHGDN, Gene Ontology, HumanCYC, PubMed, NCI Nature, Human Phenotype Ontology, BioGRID, IntAct, HapMap, Symptom Ontology, DailyMed, ChEBI, Disasome, Freebase, SIDER

Synonyms: LinkedLifeData, Linked Life Data

Resource Type: data or information resource, database

Keywords: sparql, semantic web, rdf, triple store, biomedical, linked data

Funding: European Union FP 7 IST project LarKC FP7-215535

Resource Name: linked life data - a semantic data integration platform for the biomedical domain

Resource ID: SCR_010642

Alternate IDs: nlx_63945

Record Creation Time: 20220129T080259+0000

Record Last Update: 20260912T200205+0000

Ratings and Alerts

No rating or validation information has been found for linked life data - a semantic data integration platform for the biomedical domain.

No alerts have been found for linked life data - a semantic data integration platform for the biomedical domain.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Gadiya Y, et al. (2026) pyBiodatafuse: extending interoperability of data using modular queries across biomedical resources. Bioinformatics (Oxford, England), 42(3).

Marchesin S, et al. (2023) Building a large gene expression-cancer knowledge base with limited human annotations. Database : the journal of biological databases and curation, 2023.

Moretto M, et al. (2022) A COMPASS for VESPUCCI: A FAIR Way to Explore the Grapevine Transcriptomic Landscape. Frontiers in plant science, 13, 815443.

Huang Z, et al. (2021) Knowledge Graphs of Kawasaki Disease. Health information science and systems, 9(1), 11.

Giachelle F, et al. (2021) Search, access, and explore life science nanopublications on the Web. PeerJ. Computer science, 7, e335.

Wong RLY, et al. (2021) Integrated Genomic Profiling and Drug Screening of Patient-Derived Cultures Identifies Individualized Copy Number-Dependent Susceptibilities Involving PI3K Pathway and 17q Genes in Neuroblastoma. Frontiers in oncology, 11, 709525.

Yamamoto Y, et al. (2018) YummyData: providing high-quality open life science data. Database : the journal of biological databases and curation, 2018.

Hasnain A, et al. (2017) BioFed: federated query processing over life sciences linked open data. Journal of biomedical semantics, 8(1), 13.

Chen X, et al. (2014) BioTCM-SE: a semantic search engine for the information retrieval of modern biology and traditional Chinese medicine. Computational and mathematical methods in medicine, 2014, 957231.

Chen H, et al. (2014) OWL reasoning framework over big biological knowledge network. BioMed research international, 2014, 272915.

Busse B, et al. (2013) Automated analysis of a diverse synapse population. PLoS computational biology, 9(3), e1002976.

Zdrazil B, et al. (2012) Taking Open Innovation to the Molecular Level - Strengths and Limitations. Molecular informatics, 31(8), 528.

Chen B, et al. (2012) Assessing drug target association using semantic linked data. PLoS computational biology, 8(7), e1002574.