

Resource Summary Report

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OBO

RRID:SCR_007083

Type: Tool

Proper Citation

OBO (RRID:SCR_007083)

Resource Information

URL: <http://www.obofoundry.org/>

Proper Citation: OBO (RRID:SCR_007083)

Description: A collaboration involving developers of science-based ontologies who are establishing a set of principles for ontology development with the goal of creating a suite of orthogonal interoperable reference ontologies in the biomedical domain. In addition to a listing of OBO ontologies, this site provides a statement of the OBO Foundry principles, discussion fora, technical infrastructure, and other services to facilitate ontology development. Feedback is welcome and participation encouraged.

Abbreviations: OBO

Synonyms: The Open Biomedical Ontologies, OBO Foundry, Open Biological and Biomedical Ontologies, Open Biological and Biomedical Ontology Foundry

Resource Type: knowledge environment, standard specification, ontology, narrative resource, controlled vocabulary, data or information resource

Defining Citation: [PMID:17989687](#)

Keywords: biomedical, metadata standard, gold standard, FASEB list

Resource Name: OBO

Resource ID: SCR_007083

Alternate IDs: nlx_22892

Record Creation Time: 20220129T080239+0000

Record Last Update: 20260804T043321+0000

Ratings and Alerts

No rating or validation information has been found for OBO.

No alerts have been found for OBO.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 169 mentions in open access literature.

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

Vogt L, et al. (2025) Suggestions for extending the FAIR Principles based on a linguistic perspective on semantic interoperability. *Scientific data*, 12(1), 688.

Smith JR, et al. (2025) Standardized pipelines support and facilitate integration of diverse datasets at the Rat Genome Database. *Database : the journal of biological databases and curation*, 2025.

Vogt L, et al. (2025) The CLEAR Principle: organizing data and metadata into semantically meaningful types of FAIR Digital Objects to increase their human explorability and cognitive interoperability. *Journal of biomedical semantics*, 16(1), 18.

Foster C, et al. (2024) Standardizing Extracted Data Using Automated Application of Controlled Vocabularies. *Environmental health perspectives*, 132(2), 27006.

Baron JA, et al. (2024) The DO-KB Knowledgebase: a 20-year journey developing the disease open science ecosystem. *Nucleic acids research*, 52(D1), D1305.

Mansueto L, et al. (2024) Building a community-driven bioinformatics platform to facilitate Cannabis sativa multi-omics research. *GigaByte (Hong Kong, China)*, 2024, gigabyte137.

Beverley J, et al. (2024) Coordinating virus research: The Virus Infectious Disease Ontology. *PloS one*, 19(1), e0285093.

Mehta D, et al. (2024) Expanding the Ontology of Organizational Structures of Trauma Centers and Trauma Systems. *CEUR workshop proceedings*, 3939.

Turki H, et al. (2024) A framework for integrating biomedical knowledge in Wikidata with open biological and biomedical ontologies and MeSH keywords. *Heliyon*, 10(19), e38448.

Ortega R, et al. (2023) Ontology for the Avida digital evolution platform. *Scientific data*, 10(1), 608.

Lastra-Díaz JJ, et al. (2022) HESML: a real-time semantic measures library for the biomedical domain with a reproducible survey. *BMC bioinformatics*, 23(1), 23.

Ringwald M, et al. (2022) Mouse Genome Informatics (MGI): latest news from MGD and GXD. *Mammalian genome : official journal of the International Mammalian Genome Society*, 33(1), 4.

Gunturkun MH, et al. (2022) GeneCup: mining PubMed and GWAS catalog for gene-keyword relationships. *G3 (Bethesda, Md.)*, 12(5).

Davis P, et al. (2022) WormBase in 2022-data, processes, and tools for analyzing *Caenorhabditis elegans*. *Genetics*, 220(4).

Schröder M, et al. (2022) Structure-based knowledge acquisition from electronic lab notebooks for research data provenance documentation. *Journal of biomedical semantics*, 13(1), 4.

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

Sant DW, et al. (2021) Sequence Ontology terminology for gene regulation. *Biochimica et biophysica acta. Gene regulatory mechanisms*, 1864(10), 194745.

Konopka T, et al. (2021) Diffusion enables integration of heterogeneous data and user-driven learning in a desktop knowledge-base. *PLoS computational biology*, 17(8), e1009283.

Norris E, et al. (2021) Why and how to engage expert stakeholders in ontology development: insights from social and behavioural sciences. *Journal of biomedical semantics*, 12(1), 4.

Gundersen S, et al. (2021) Recommendations for the FAIRification of genomic track metadata. *F1000Research*, 10.