

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, data or information resource, narrative resource, ontology, controlled vocabulary, standard specification

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: 20260810T040437+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 182 mentions in open access literature.

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

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.

Bueckle A, et al. (2025) Construction, Deployment, and Usage of the Human Reference Atlas Knowledge Graph for Linked Open Data. *bioRxiv : the preprint server for biology*.

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

Bono H, et al. (2025) Recent Advances in Genome Editing and Bioinformatics: Addressing Challenges in Genome Editing Implementation and Genome Sequencing. *International journal of molecular sciences*, 26(7).

Karmaus AL, et al. (2025) Methods2AOP: A Collaboration to Strengthen the Integration of Test Methods into the Adverse Outcome Pathway Framework. *F1000Research*, 14, 1375.

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

Montanaro G, et al. (2024) Computable species descriptions and nanopublications: applying ontology-based technologies to dung beetles (Coleoptera, Scarabaeinae). *Biodiversity data journal*, 12, e121562.

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

Schenk PM, et al. (2024) An ontological framework for organising and describing behaviours: The Human Behaviour Ontology. *Wellcome open research*, 9, 237.

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.

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.

Callahan TJ, et al. (2023) Ontologizing health systems data at scale: making translational discovery a reality. NPJ digital medicine, 6(1), 89.

Eggs B, et al. (2023) Terebra steering in chalcidoid wasps. Frontiers in zoology, 20(1), 26.

Sargsyan A, et al. (2023) The Epilepsy Ontology: a community-based ontology tailored for semantic interoperability and text mining. Bioinformatics advances, 3(1), vbad033.

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

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

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