Resource Summary Report

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Ontology for Biomedical Investigations

RRID:SCR_006266
Type: Tool

Proper Citation

Ontology for Biomedical Investigations (RRID:SCR_006266)

Resource Information

URL: http://obi-ontology.org/

Proper Citation: Ontology for Biomedical Investigations (RRID:SCR_006266)

Description: An ontology for the description of biological and clinical investigations built with international, collaborative effort. The ontology represents the design of an investigation, the protocols and instrumentation used, the material used, the data generated and the type analysis performed on it. This includes a set of universal terms that are applicable across various biological and technological domains, and domain-specific terms relevant only to a given domain. Currently OBI is being built under the Basic Formal Ontology (BFO). This project was formerly titled the Functional Genomics Investigation Ontology (FuGO) project.

Abbreviations: OBI

Synonyms: OBI Ontology

Resource Type: ontology, controlled vocabulary, data or information resource

Defining Citation: PMID:20626927

Keywords: life-science, clinical, investigation, biomedical, protocol, instrumentation, experiment, biology, owl, molecular, cellular, organismal, multi-organismal

Funding:

Availability: Creative Commons Attribution License v3

Resource Name: Ontology for Biomedical Investigations

Resource ID: SCR_006266

Alternate IDs: nif-0000-06698

Alternate URLs: http://purl.obofoundry.org/obo/obi.owl, http://purl.obofoundry.org/obo/obi, https://www.force11.org/node/4700

Record Creation Time: 20220129T080235+0000

Record Last Update: 20250416T063433+0000

Ratings and Alerts

No rating or validation information has been found for Ontology for Biomedical Investigations.

No alerts have been found for Ontology for Biomedical Investigations.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Kyoda K, et al. (2024) SSBD: an ecosystem for enhanced sharing and reuse of bioimaging data. Nucleic acids research.

Weber M, et al. (2023) PO2/TransformON, an ontology for data integration on food, feed, bioproducts and biowaste engineering. NPJ science of food, 7(1), 47.

Sun Y, et al. (2023) MACdb: A curated knowledgebase for metabolic associations across human cancers. Molecular cancer research : MCR.

Jackson R, et al. (2021) OBO Foundry in 2021: operationalizing open data principles to evaluate ontologies. Database : the journal of biological databases and curation, 2021.

Vita R, et al. (2021) Standardization of assay representation in the Ontology for Biomedical Investigations. Database : the journal of biological databases and curation, 2021.

Franke S, et al. (2020) Plasma-MDS, a metadata schema for plasma science with examples from plasma technology. Scientific data, 7(1), 439.

Vitali F, et al. (2018) ONS: an ontology for a standardized description of interventions and

observational studies in nutrition. Genes & nutrition, 13, 12.

Bandrowski A, et al. (2016) The Ontology for Biomedical Investigations. PloS one, 11(4), e0154556.

Sloan CA, et al. (2016) ENCODE data at the ENCODE portal. Nucleic acids research, 44(D1), D726.

Hastings J, et al. (2015) eNanoMapper: harnessing ontologies to enable data integration for nanomaterial risk assessment. Journal of biomedical semantics, 6, 10.

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

Walls RL, et al. (2014) Semantics in support of biodiversity knowledge discovery: an introduction to the biological collections ontology and related ontologies. PloS one, 9(3), e89606.

Laulederkind SJ, et al. (2013) PhenoMiner: quantitative phenotype curation at the rat genome database. Database : the journal of biological databases and curation, 2013, bat015.

Salimi N, et al. (2012) The immune epitope database: a historical retrospective of the first decade. Immunology, 137(2), 117.

Vasilevsky N, et al. (2012) Research resources: curating the new eagle-i discovery system. Database : the journal of biological databases and curation, 2012, bar067.

Cheung KH, et al. (2010) Structured digital tables on the Semantic Web: toward a structured digital literature. Molecular systems biology, 6, 403.