

# Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

## SBO

RRID:SCR\_006753

Type: Tool

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### Proper Citation

SBO (RRID:SCR\_006753)

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### Resource Information

**URL:** <http://www.ebi.ac.uk/sbo/>

**Proper Citation:** SBO (RRID:SCR\_006753)

**Description:** A set of controlled, relational vocabularies of terms commonly used in Systems Biology, and in particular in computational modeling. The ontology consists of seven orthogonal vocabularies defining: the roles of reaction participants (eg. substrate), quantitative parameters (eg. Michaelis constant), a precise classification of mathematical expressions that describe the system (eg. mass action rate law), the modeling framework used (eg. logical framework), and a branch each to describe entity (eg. macromolecule) and interaction (eg. process) types, and a branch to define the different types of metadata that may be present within a model. SBO terms can be used to introduce a layer of semantic information into the standard description of a model, or to annotate the results of biochemical experiments in order to facilitate their efficient reuse. SBO is an Open Biomedical Ontologies (OBO) candidate ontology, and is free for use. A programmatic access to the content of the Systems Biology Ontology is provided by Web Services.

**Abbreviations:** SBO

**Synonyms:** Systems Biology Ontology

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

**Defining Citation:** [PMID:17118155](#)

**Keywords:** systems biology, computational modeling, web service, obo, gold standard

**Funding:** NIGMS

**Availability:** Free, The community can contribute to this resource

**Resource Name:** SBO

**Resource ID:** SCR\_006753

**Alternate IDs:** nlx\_66206

**Record Creation Time:** 20220129T080238+0000

**Record Last Update:** 20260731T042727+0000

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## Ratings and Alerts

No rating or validation information has been found for SBO.

No alerts have been found for SBO.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Pfau T, et al. (2021) IDARE2-Simultaneous Visualisation of Multiomics Data in Cytoscape. Metabolites, 11(5).

Carey MA, et al. (2020) Community standards to facilitate development and address challenges in metabolic modeling. Molecular systems biology, 16(8), e9235.

Pfau T, et al. (2016) Towards improved genome-scale metabolic network reconstructions: unification, transcript specificity and beyond. Briefings in bioinformatics, 17(6), 1060.

McWilliam H, et al. (2009) Web services at the European Bioinformatics Institute-2009. Nucleic acids research, 37(Web Server issue), W6.