Resource Summary Report

Generated by T1D on Sep 5, 2026

SysMO-DB

RRID:SCR_004479
Type: Tool

Proper Citation

SysMO-DB (RRID:SCR_004479)

Resource Information

URL: http://www.sysmo-db.org/

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Description: SysMO-DB is a project that is creating a web-based platform, and tooling, for finding, sharing and exchanging Data, Models and Processes in Systems Biology. It was designed to support the SysMO Consortium (Systems Biology for Micro-Organisms), but the principles and methods employed are equally applicable to other multi-site Systems Biology projects. All code is open source and available for download. SEEK, a component of SysMO-DB, is a private community collaboration and asset sharing platform for Systems Biology models, data and protocols serving 120 research institutions throughout Europe. SEEK is the main web-based access point to the system and provides an access control layer to enable researchers to restrict access to collaborators, colleagues or other individuals until they are ready to share with the whole consortium or the wider community. The main objectives of SysMO-DB are to: facilitate the web-based exchange of data between research groups within- and inter- consortia, and to provide an integrated platform for the dissemination of the results of the SysMO projects to the scientific community. We aim to devise a progressive and scalable solution to the data management needs of the SysMO initiative, that: * facilitates and maximizes the potential for data exchange between SysMO research groups; * maximizes the "shelf life" and utility of data generated by SysMO; * provides an integrated platform for the dissemination of the results of the SysMO projects to the scientific community; and * facilitates standardization of practices in Systems Biology for the interfacing of modeling and experimentation. We follow several key principles: * exploit what is already available, both within the consortium and outside it, and do not reinvent; * identify the least we can do to make a benefit and do this incrementally. SysMO-DB will soon be opening it up to the wider scientific community, but for now it is currently only available for those within the SysMO consortium.

Synonyms: SysMO Database, Systems Biology for Micro-Organisms Database, Systems Biology for Micro-Organisms DB, Systems Biology of Micro-Organisms DB, SysMO DB, Systems Biology of Micro-Organisms Database

Resource Type: community building portal, data or information resource, database, experimental protocol, narrative resource, people resource, portal, service resource, software resource, source code

Resource Name: SysMO-DB

Resource ID: SCR_004479

Alternate IDs: nlx_46298

Record Creation Time: 20220129T080224+0000

Record Last Update: 20260903T234717+0000

Ratings and Alerts

No rating or validation information has been found for SysMO-DB.

No alerts have been found for SysMO-DB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Durmu? S, et al. (2015) A review on computational systems biology of pathogen-host interactions. Frontiers in microbiology, 6, 235.

Dräger A, et al. (2014) Improving collaboration by standardization efforts in systems biology. Frontiers in bioengineering and biotechnology, 2, 61.

Vermeulen N, et al. (2013) Understanding life together: a brief history of collaboration in biology. Endeavour, 37(3), 162.