

Resource Summary Report

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BioSimulators

RRID:SCR_019111

Type: Tool

Proper Citation

BioSimulators (RRID:SCR_019111)

Resource Information

URL: <https://biosimulators.org>

Proper Citation: BioSimulators (RRID:SCR_019111)

Description: Web tool as collection of containerized biosimulation tools that provide consistent interfaces and guide to choosing simulator. Helps to find simulation tools that have capabilities, including supported modeling frameworks, simulation algorithms, and modeling formats, needed for specific modeling projects.

Resource Type: software repository, web application, software resource

Keywords: Containerized biosimulation tools, consistent interfaces, choosing simulator guide, supported modeling frameworks, simulation algorithms, modeling formats, bio.tools

Funding: Center for Reproducible Biomodeling Modeling ;
National Institute of Bioimaging and Bioengineering ;
National Institute of General Medical Sciences ;
National Institutes of Health ;
National Science Foundation

Availability: Free, Freely available

Resource Name: BioSimulators

Resource ID: SCR_019111

Alternate IDs: biotools:biosimulators

Alternate URLs: <https://bio.tools/biosimulators>

License: MIT

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260821T043046+0000

Ratings and Alerts

No rating or validation information has been found for BioSimulators.

No alerts have been found for BioSimulators.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Sinha A, et al. (2025) The NeuroML ecosystem for standardized multi-scale modeling in neuroscience. eLife, 13.

Golebiewski M, et al. (2024) Specifications of standards in systems and synthetic biology: status, developments, and tools in 2024. Journal of integrative bioinformatics, 21(1).

Niarakis A, et al. (2022) Addressing barriers in comprehensiveness, accessibility, reusability, interoperability and reproducibility of computational models in systems biology. Briefings in bioinformatics, 23(4).

Shaikh B, et al. (2022) BioSimulators: a central registry of simulation engines and services for recommending specific tools. Nucleic acids research, 50(W1), W108.

Shaikh B, et al. (2021) RunBioSimulations: an extensible web application that simulates a wide range of computational modeling frameworks, algorithms, and formats. Nucleic acids research, 49(W1), W597.