Resource Summary Report

Generated by dkNET on Apr 16, 2025

OpenCOR

RRID:SCR_019001
Type: Tool

Proper Citation

OpenCOR (RRID:SCR_019001)

Resource Information

URL: https://opencor.ws/

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Description: Open source cross platform modeling environment for reproducible science. Used to organise, edit, simulate and analyse models described in CellML format, using SED-ML and COMBINE archives.

Resource Type: simulation software, software resource, software application

Keywords: Modeling environment, reproducible science, CellML format model, CellML format model analysis, CellML format model simulation

Funding:

Availability: Free, Available for download, Freely available

Resource Name: OpenCOR

Resource ID: SCR_019001

Record Creation Time: 20220129T080342+0000

Record Last Update: 20250416T063851+0000

Ratings and Alerts

No rating or validation information has been found for OpenCOR.

No alerts have been found for OpenCOR.

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 dkNET.

Maltsev AV, et al. (2023) A novel conceptual model of heart rate autonomic modulation based on a small-world modular structure of the sinoatrial node. Frontiers in physiology, 14, 1276023.

Means SA, et al. (2023) Steady-state approximations for Hodgkin-Huxley cell models: Reduction of order for uterine smooth muscle cell model. PLoS computational biology, 19(8), e1011359.

Shahidi N, et al. (2021) Hierarchical semantic composition of biosimulation models using bond graphs. PLoS computational biology, 17(5), e1008859.

Yang D, et al. (2021) Ca2+ and Membrane Potential Transitions During Action Potentials Are Self-Similar to Each Other and to Variability of AP Firing Intervals Across the Broad Physiologic Range of AP Intervals During Autonomic Receptor Stimulation. Frontiers in physiology, 12, 612770.

Waltemath D, et al. (2020) The first 10 years of the international coordination network for standards in systems and synthetic biology (COMBINE). Journal of integrative bioinformatics, 17(2-3).