Resource Summary Report

Generated by NIF on Sep 9, 2026

SimulaBeta

RRID:SCR_021900
Type: Tool

Proper Citation

SimulaBeta (RRID:SCR_021900)

Resource Information

URL: https://simulabeta.sourceforge.io/

Proper Citation: SimulaBeta (RRID:SCR_021900)

Description: Software tool as simulation program for insulin glucose feedback control. Based on nonlinear MiMe-NoCoDI model.

Resource Type: simulation software, software application, software resource

Defining Citation: PMID:36271244

Keywords: Open source, insulin, glucose, simulation, modelling, model, beta cell, homeostasis

Funding: Deutsche Forschungsgemeinschaft (DFG) GRK 1041;
Ministry of Education (MOE) Singapore ;
Open Access Publication Funds of the Ruhr-Universit??t Bochum ;
Germany

Availability: Free, Available for download, Freely available

Resource Name: SimulaBeta

Resource ID: SCR_021900

Alternate IDs: DOI:10.5281/zenodo.4922800

Alternate URLs: https://doi.org/10.5281/zenodo.4922800

License: BSD license

Record Creation Time: 20220421T050137+0000

Record Last Update: 20260905T132947+0000

Ratings and Alerts

No rating or validation information has been found for SimulaBeta.

No alerts have been found for SimulaBeta.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Dietrich JW, et al. (2024) A novel simple disposition index (SPINA-DI) from fasting insulin and glucose concentration as a robust measure of carbohydrate homeostasis. Journal of diabetes.

Dietrich JW, et al. (2022) SPINA Carb: a simple mathematical model supporting fast in-vivo estimation of insulin sensitivity and beta cell function. Scientific reports, 12(1), 17659.