

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

GemSIM

RRID:SCR_000167

Type: Tool

Proper Citation

GemSIM (RRID:SCR_000167)

Resource Information

URL: <http://sourceforge.net/projects/gemsim/>

Proper Citation: GemSIM (RRID:SCR_000167)

Description: A software package for generating realistic simulated next-generation genome sequencing reads with quality score values. The software is written in Python with a command-line user interface.

Abbreviations: GemSIM

Resource Type: software resource

Defining Citation: [PMID:22336055](#), [DOI:10.1186/1471-2164-13-74](#)

Keywords: bioinformatics, simulation, sequencing, dna, rna, empirical models, Python, command-line, user interface, metagenomic, resequencing, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: GemSIM

Resource ID: SCR_000167

Alternate IDs: OMICS_01507, biotools:GemSIM

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

License: GNU General Public License version 3.0 (GPLv3)

Record Creation Time: 20220129T080200+0000

Record Last Update: 20260808T185712+0000

Ratings and Alerts

No rating or validation information has been found for GemSIM.

No alerts have been found for GemSIM.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.