

Resource Summary Report

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OmicsGAN

RRID:SCR_022976

Type: Tool

Proper Citation

OmicsGAN (RRID:SCR_022976)

Resource Information

URL: <https://github.com/compbiolabucf/omicsGAN>

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Description: Software generative adversarial network to integrate two omics data and their interaction network to generate one synthetic data corresponding to each omics profile that can result in better phenotype prediction. Used to capture information from interaction network as well as two omics datasets and fuse them to generate synthetic data with better predictive signals.

Synonyms: Omics Generative Adversarial Network

Resource Type: software application, software resource

Defining Citation: [PMID:34415323](#)

Keywords: integrate two omics data, interaction network, generate one synthetic data corresponding to each omics profile, phenotype prediction

Funding: NIDA DK097771;
NIGMS R01GM113952;
NSF III1755761

Availability: Free, Available for download, Freely available

Resource Name: OmicsGAN

Resource ID: SCR_022976

Record Creation Time: 20221118T050202+0000

Record Last Update: 20260829T183135+0000

Ratings and Alerts

No rating or validation information has been found for OmicsGAN.

No alerts have been found for OmicsGAN.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Pezoulas VC, et al. (2024) Synthetic data generation methods in healthcare: A review on open-source tools and methods. Computational and structural biotechnology journal, 23, 2892.