

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

BioDepot-workflow-builder

RRID:SCR_017402

Type: Tool

Proper Citation

BioDepot-workflow-builder (RRID:SCR_017402)

Resource Information

URL: <https://github.com/BioDepot/BioDepot-workflow-builder>

Proper Citation: BioDepot-workflow-builder (RRID:SCR_017402)

Description: Software tool to create and execute reproducible bioinformatics workflows using drag and drop interface. Graphical widgets represent Docker containers executing modular task. Widgets are linked graphically to build bioinformatics workflows that can be reproducibly deployed across different local and cloud platforms. Each widget contains form-based user interface to facilitate parameter entry and console to display intermediate results.

Abbreviations: Bwb

Resource Type: workflow software, software resource, software application, data processing software

Defining Citation: [DOI:10.1016/j.cels.2019.08.007](https://doi.org/10.1016/j.cels.2019.08.007)

Keywords: bioinformatics, big, data, workflow, reproducible, Docker

Funding: NIGMS R01 GM126019;
NHLBI U54 HL127624;
NHGRI U24HG012674;
NIAID R03AI159286

Availability: Free, Available for download, Freely available

Resource Name: BioDepot-workflow-builder

Resource ID: SCR_017402

License: MIT License

Record Creation Time: 20220129T080335+0000

Ratings and Alerts

No rating or validation information has been found for BioDepot-workflow-builder.

No alerts have been found for BioDepot-workflow-builder.

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 [SPARC SAWG](#) .

Su Q, et al. (2026) Integrated bulk RNA-seq and scRNA-seq identification of a novel "PET-SPI1-MYL9" transcriptional axis in lung adenocarcinoma driven by polyethylene terephthalate exposure. Translational cancer research, 15(3), 173.

Hung LH, et al. (2019) Building Containerized Workflows Using the BioDepot-Workflow-Builder. Cell systems, 9(5), 508.