

# Resource Summary Report

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## 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>

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**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:** data processing software, software application, software resource, workflow 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:** NHGRI U24HG012674;  
NHLBI U54 HL127624;  
NIAID R03AI159286;  
NIGMS R01 GM126019

**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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#) .

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.