

Resource Summary Report

Generated by SPARC SAWG on Sep 13, 2026

Galaxy

RRID:SCR_006281

Type: Tool

Proper Citation

Galaxy (RRID:SCR_006281)

Resource Information

URL: <http://galaxyproject.org/>

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Description: Open, web-based platform providing bioinformatics tools and services for data intensive genomic research. Platform may be used as a service or installed locally to perform, reproduce, and share complete analyses. Galaxy automatically tracks and manages data provenance and provides support for capturing the context and intent of computational methods. Galaxy Community has created Galaxy instances in many different forms and for many different applications including Galaxy servers, cloud services that support Galaxy instances, and virtual machines and containers that can be easily deployed for your own server. The Galaxy team is a part of BX at Penn State, and the Biology and Mathematics and Computer Science departments at Emory University. Training Infrastructure as a Service (TlaaS) is a service offered by some UseGalaxy servers to specifically support training use cases.

Abbreviations: Galaxy

Synonyms: The Galaxy Project, Galaxy Project

Resource Type: analysis service resource, data analysis service, data or information resource, organization portal, portal, production service resource, service resource

Defining Citation: [PMID:20738864](#), [PMID:20069535](#), [PMID:16169926](#)

Keywords: bioinformatics, workflow, analysis, data sharing, visualization, cloud, genomics, metagenomics, next-generation sequencing, platform, data set, genaddiction tool

Funding: Huck Institutes for the Life Sciences ;
Institute for CyberScience at Pennsylvania State University ;
Pennsylvania ;
USA ;

Johns Hopkins University ;
NHGRI HG004909;
NHGRI HG005133;
NHGRI HG005542;
NSF DBI0850103;
Pennsylvania Department of Health

Availability: Free, Freely available

Resource Name: Galaxy

Resource ID: SCR_006281

Alternate IDs: nlx_151896, OMICS_01141

Alternate URLs: <https://usegalaxy.org/>, <https://sources.debian.org/src/galaxy/>

Record Creation Time: 20220129T080235+0000

Record Last Update: 20260912T195637+0000

Ratings and Alerts

No rating or validation information has been found for Galaxy.

No alerts have been found for Galaxy.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6255 mentions in open access literature.

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

Brady MR, et al. (2026) Macropinocytosis and Vascularization Determine Response to mTOR Inhibitors in Lung Squamous Cell Carcinoma. Cancer research, 86(5), 1166.

Goupille L, et al. (2026) Targeting systemic and tumor metabolic balances with ketogenic diets enhance efficacy of therapy in FLT3-ITD acute myeloid leukemia. Cell reports, 45(4), 117185.

Elizondo G, et al. (2026) Acute arrhythmias in a long-chain 3-hydroxyacyl-CoA dehydrogenase deficiency mouse model. American journal of physiology. Heart and circulatory physiology, 330(2), H484.

Davis FA, et al. (2026) Bacterial metabolites induce cell wall remodeling, antifungal resistance, and immune recognition of commensal fungi. Current biology : CB, 36(3), 674.

Zhao Y, et al. (2026) IDH1 Reprograms Nucleotide Metabolism by Inducing Chromatin Remodeling and DHODH Transcription to Drive Chemoresistance in Nasopharyngeal Carcinoma. *Cancer research*, 86(8), 2004.

Ortega-Álvarez D, et al. (2026) Discovery and Evaluation of Biomarkers for Triple-Negative Breast Cancer Subtypes Uncovers Patient Stratification and Targeted Therapeutic Strategies. *Cancer research*, 86(10), 2360.

Beck CW, et al. (2026) Neurod2 knockdown in *Xenopus laevis* tadpole brain retains cells in a proliferating, progenitor-like state. *microPublication biology*, 2026.

Tran U, et al. (2026) BICC1 interacts with PKD1 and PKD2 to drive cystogenesis in ADPKD. *eLife*, 14.

Aggrey-Fynn JE, et al. (2026) Epigenetic context defines the transcriptional activity of canonical and noncanonical NF- κ B signaling in pancreatic cancer. *Cell death discovery*, 12(1).

van de Grift YBC, et al. (2026) GRHL and PGR control WNT4 expression via 3D looping of conserved and species-specific enhancers. *Cell reports*, 45(7), 117575.

Pugh FB, et al. (2026) A unified framework for causal gene regulatory network inference grounded in orthogonal molecular evidence. *bioRxiv : the preprint server for biology*.

Yuan F, et al. (2026) Glioblastoma stem cells resist cuproptosis with circadian variation of copper levels. *The Journal of clinical investigation*, 136(1).

Kochanova NY, et al. (2026) A time-resolved atlas of histone modifications during mitotic entry. *Molecular cell*, 86(9), 1653.

Ulmke PA, et al. (2026) Identification of novel genes with enriched expression in human intermediate progenitors reveals a key role for CDKN3 in cortical development. *Stem cell reports*, 103012.

Oldham KEA, et al. (2026) The Curious Case of CysE: Diversity and Distribution of Serine Acetyltransferases in Bacteria. *Proteins*, 94(5), 1092.

Kapoor S, et al. (2026) In vivo AGO-APP for cell-type- and compartment-specific miRNA profiling in the mouse brain. *Cell reports methods*, 6(1), 101267.

Dowrick JM, et al. (2026) Integrated multi-omic and symptom clustering reveals lower-gastrointestinal disorders of gut-brain interaction heterogeneity. *Gut microbes*, 18(1), 2604871.

Mitic I, et al. (2026) Assessing the validity of leucine zipper constructs predicted by AlphaFold. *Protein science : a publication of the Protein Society*, 35(1), e70438.

Khoeurn S, et al. (2026) Reliability assessment of agricultural sensors evaluated through algal coverage in hydroponic tomato production systems. *Scientific reports*, 16(1).

Iliou A, et al. (2026) A Multiomic Approach Integrating Genomic and Metabolomic Data Highlights Colorectal Cancer Pathways. *Journal of proteome research*, 25(2), 578.