

Resource Summary Report

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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: service resource, data analysis service, organization portal, analysis service resource, production service resource, portal, data or information 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 ;
Pennsylvania Department of Health ;
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NHGRI HG004909;

NHGRI HG005133;
NHGRI HG005542;
Institute for CyberScience at Pennsylvania State University ;
Pennsylvania ;
USA ;
Johns Hopkins University

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: 20260728T043230+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 5473 mentions in open access literature.

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

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

Hautefeuille S, et al. (2026) Free-range versus conventional: A comparison of microbial composition and Campylobacter contamination in broiler carcasses after chilling. Poultry science, 105(1), 106111.

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.

- Guo X, et al. (2026) Diversity and Ecological Potentials of Marine Viruses Inhabiting Continental Shelf Seas. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(1), e11707.
- Figueroa Y, et al. (2026) STEC in the natural environment of Uruguay: genomic surveillance and environmental circulation in the framework of One Health. *Microbiology spectrum*, 14(1), e0315325.
- Buiatte ABG, et al. (2026) Genomic epidemiology reveals statewide dispersal of clinical Shiga toxin-producing *Escherichia coli* and their antimicrobial resistome. *Microbiology spectrum*, 14(1), e0095625.
- Fanaei Pirlar R, et al. (2026) Novel lytic phages improve the antibiofilm activity of dalbavancin, daptomycin, and fosfomycin against vancomycin-resistant enterococci. *Microbiology spectrum*, 14(1), e0181825.
- Ku JY, et al. (2026) Efficacy of Probiotic *Lactobacillus* spp. Isolated From Healthy Korean Indigenous Calves. *Veterinary medicine and science*, 12(1), e70742.
- Ansari F, et al. (2026) Characterisation of a Novel Jumbo Lytic *Aeromonas dhakensis* Bacteriophage P19 and Its Endolysin. *Microbial biotechnology*, 19(1), e70289.
- Gergonne D, et al. (2026) Genomic Evidence for Dual Introductions, Limited Gene Flow and Niche Preferences in the Invasive Wasp *Vespula germanica* in South Africa. *Molecular ecology*, 35(1), e70217.
- Kulikov N, et al. (2026) The Chromosome-Scale Genome Assembly of the Redlip Blenny, *Ophioblennius macclurei* (Blenniidae). *Genome biology and evolution*, 18(1).
- Jansseune SCG, et al. (2026) A lactobacilli-based probiotic but not its postbiotic reduces intestinal inflammatory pathways expression in broilers fed a non-starch polysaccharide rich challenge diet. *Poultry science*, 105(1), 106159.
- Ranjan A, et al. (2025) Histone acetylation readers Bdf1 and Yaf9 direct SWR1 remodeler to +1 nucleosome. *Science advances*, 11(32), eadt2002.
- Badal S, et al. (2025) Novel Afro-Caribbean Prostate Cancer Model Reveals Ancestry-Specific Drug Vulnerabilities with Therapeutic Implications for Black Patients. *Cancer research communications*, 5(10), 1758.
- Graham LA, et al. (2025) Winter-active spiders (Clubiona) have a hyperactive antifreeze protein with a unique beta-solenoid fold. *The FEBS journal*.
- Dumesic PA, et al. (2025) RBM43 controls PGC1 α translation and a PGC1 α -STING signaling axis. *Cell metabolism*, 37(3), 742.
- Koury J, et al. (2025) EphB2-mediated ephrin-B reverse signaling on microglia drives an anti-viral, but inflammatory and neurotoxic response associated with HIV. *Journal of neuroinflammation*, 22(1), 171.
- Kershenbaum S, et al. (2025) Variation in phenotype, genotype, and somatic diversity among asexual *Schmidtea mediterranea* planarians. *iScience*, 28(8), 113035.

Wang J, et al. (2025) DNA methyltransferase 1 modulates mitochondrial function through bridging m5C RNA methylation. *Molecular cell*, 85(10), 1999.