Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 9, 2025

Galaxy

RRID:SCR_006281
Type: Tool

Proper Citation

Galaxy (RRID:SCR_006281)

Resource Information

URL: http://galaxyproject.org/

Proper Citation: Galaxy (RRID:SCR_006281)

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 (TIaaS) 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, production service resource, service resource, portal, organization 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 ;

NSF DBI0850103;
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: 20250407T215606+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 4526 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Yim GW, et al. (2025) A pilot study of upcycled smartphone-based colposcopy for visual inspection of cervix performed by community healthcare workers in rural Vietnam. International journal of gynaecology and obstetrics: the official organ of the International Federation of Gynaecology and Obstetrics, 168(2), 518.

Shi J, et al. (2025) Identification of genes associated with sex expression and sex determination in hemp (Cannabis sativa L.). Journal of experimental botany, 76(1), 175.

Tóth O, et al. (2025) Identification of new reference genes with stable expression patterns for cell cycle experiments in human leukemia cell lines. Scientific reports, 15(1), 1052.

Shetty SS, et al. (2025) Novel transcripts of EMT driving the malignant transformation of oral submucous fibrosis. Scientific reports, 15(1), 3294.

Dawson RA, et al. (2025) Carbon monoxide-oxidising Pseudomonadota on volcanic deposits. Environmental microbiome, 20(1), 12.

Fraccalvieri R, et al. (2025) Isolation and Characterization of Colistin-Resistant Enterobacteriaceae from Foods in Two Italian Regions in the South of Italy. Microorganisms, 13(1).

Sato T, et al. (2025) Sustained inhibition of CSF1R signaling augments antitumor immunity through inhibiting tumor-associated macrophages. JCI insight, 10(1).

Veytsel G, et al. (2025) Molecular epidemiology, evolution, and transmission dynamics of raccoon rabies virus in Connecticut. Virus evolution, 11(1), veae114.

Krasi??ikova M, et al. (2025) Nanopore sequencing reveals that DNA replication compartmentalisation dictates genome stability and instability in Trypanosoma brucei. Nature communications, 16(1), 751.

Willemsen W, et al. (2025) Differential effect of acute versus persistent insect-specific flavivirus infection on superinfection exclusion of West Nile, Zika and chikungunya viruses in RNAi-competent and -deficient mosquito cells. One health (Amsterdam, Netherlands), 20, 100960.

Lind CM, et al. (2025) Reliability and Accuracy of Standard Reference Procedures for Measurements of Trunk and Arm Postures in Ergonomics. Bioengineering (Basel, Switzerland), 12(1).

Pidgeon R, et al. (2025) Diet-derived urolithin A is produced by a dehydroxylase encoded by human gut Enterocloster species. Nature communications, 16(1), 999.

Zhou Y, et al. (2025) Dynamic mRNA Stability Buffer Transcriptional Activation During Neuronal Differentiation and Is Regulated by SAMD4A. Journal of cellular physiology, 240(1), e31477.

Hauff L, et al. (2025) De Novo Genome Assembly for an Endangered Lemur Using Portable Nanopore Sequencing in Rural Madagascar. Ecology and evolution, 15(1), e70734.

Gleason C, et al. (2025) An integrated approach for the accurate detection of HERV-K HML-2 transcription and protein synthesis. Nucleic acids research, 53(2).

Adelusi TI, et al. (2025) Designing of an innovative conserved multiepitope subunit vaccine targeting SARS-CoV-2 glycoprotein and nucleoprotein through immunoinformatic. Scientific reports, 15(1), 2563.

Huang T, et al. (2025) Dysregulation of REST and its target genes impacts the fate of neural progenitor cells in down syndrome. Scientific reports, 15(1), 2818.

Choi Y, et al. (2025) Narrative mobile video game-based cognitive training to enhance frontal function in patients with mild cognitive impairment. Scientific reports, 15(1), 195.

Tat VY, et al. (2025) Characterizing temporal and global host innate immune responses against SARS-CoV-1 and -2 infection in pathologically relevant human lung epithelial cells. PloS one, 20(1), e0317921.

Pan M, et al. (2025) Gut-derived lactic acid enhances tryptophan to 5-hydroxytryptamine in regulation of anxiety via Akkermansia muciniphila. Gut microbes, 17(1), 2447834.