

Resource Summary Report

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GenomeSpace

RRID:SCR_014967

Type: Tool

Proper Citation

GenomeSpace (RRID:SCR_014967)

Resource Information

URL: <http://genomespace.org>

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Description: Interoperability framework which supports integrative genomics analysis via access to various bioinformatics tools. Rather than performing analyses itself, GenomeSpace acts as a hub for data from supported bioinformatics tools and reformats data and results when necessary.

Resource Type: software resource, software application, systems interoperability software

Defining Citation: [PMID:26780094](https://pubmed.ncbi.nlm.nih.gov/26780094/)

Keywords: systems interoperability software, framework, interoperability, bioinformatics, genomics, integrative genomics, genome analysis, cloud

Funding: Amazon Web Services ;
NHGRI P01 HG005062;
NHGRI HG007517

Availability: Open source

Resource Name: GenomeSpace

Resource ID: SCR_014967

License: GNU LGPL license

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250410T070546+0000

Ratings and Alerts

No rating or validation information has been found for GenomeSpace.

No alerts have been found for GenomeSpace.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Nyberg WA, et al. (2023) The bromodomain protein TRIM28 controls the balance between growth and invasiveness in melanoma. *EMBO reports*, 24(1), e54944.

Carlström KE, et al. (2020) Gsta4 controls apoptosis of differentiating adult oligodendrocytes during homeostasis and remyelination via the mitochondria-associated Fas-Casp8-Bid-axis. *Nature communications*, 11(1), 4071.

Gevaert O, et al. (2020) Imaging-AMARETTO: An Imaging Genomics Software Tool to Interrogate Multiomics Networks for Relevance to Radiography and Histopathology Imaging Biomarkers of Clinical Outcomes. *JCO clinical cancer informatics*, 4, 421.

Pelekanou V, et al. (2019) Estrogen receptor-alpha isoforms are the main estrogen receptors expressed in non-small cell lung carcinoma. *Steroids*, 142, 65.

Riahi Y, et al. (2018) Inhibition of mTORC1 by ER stress impairs neonatal β -cell expansion and predisposes to diabetes in the Akita mouse. *eLife*, 7.

Carlin D, et al. (2017) A multi-tool recipe to identify regions of protein-DNA binding and their influence on associated gene expression. *F1000Research*, 6, 784.

Qu K, et al. (2016) Integrative genomic analysis by interoperation of bioinformatics tools in GenomeSpace. *Nature methods*, 13(3), 245.

Makanae K, et al. (2015) Small toxic protein encoded on chromosome VII of *Saccharomyces cerevisiae*. *PloS one*, 10(3), e0120678.

Zagalak JA, et al. (2015) Properties of short double-stranded RNAs carrying randomized base pairs: toward better controls for RNAi experiments. *RNA (New York, N.Y.)*, 21(12),

2132.

Winawer MR, et al. (2014) A locus on mouse Ch10 influences susceptibility to limbic seizure severity: fine mapping and in silico candidate gene analysis. *Genes, brain, and behavior*, 13(3), 341.

Benitez CM, et al. (2014) An integrated cell purification and genomics strategy reveals multiple regulators of pancreas development. *PLoS genetics*, 10(10), e1004645.