

# Resource Summary Report

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## ISB Cancer Genomics Cloud

RRID:SCR\_017681

Type: Tool

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### Proper Citation

ISB Cancer Genomics Cloud (RRID:SCR\_017681)

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### Resource Information

**URL:** <https://isb-cgc.appspot.com/>

**Proper Citation:** ISB Cancer Genomics Cloud (RRID:SCR\_017681)

**Description:** Web tool as flexible cloud-based platform for cancer genomics research. Platform that serves as large-scale repository and provides computational infrastructure necessary to carry out cancer genomics research at unprecedented scales. ISB-CGC is providing access to TCGA data and computation on Google Cloud Platform.

**Abbreviations:** ISB-CGC

**Synonyms:** ISB Cancer Genomics Cloud, Institute for Systems Biology Cancer Genomics Cloud

**Resource Type:** data repository, service resource, software resource, storage service resource, web application

**Defining Citation:** [PMID:29092928](#)

**Keywords:** Cancer, genomics, repository, data

**Funding:** National Cancer Institute ;  
National Institutes of Health

**Availability:** Restricted

**Resource Name:** ISB Cancer Genomics Cloud

**Resource ID:** SCR\_017681

**Record Creation Time:** 20220129T080336+0000

**Record Last Update:** 20260829T182549+0000

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### Ratings and Alerts

No rating or validation information has been found for ISB Cancer Genomics Cloud.

No alerts have been found for ISB Cancer Genomics Cloud.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Modi SR, et al. (2026) BHLHE40 Is a Transcriptional Regulatory Target of NFE2L3 in Triple-Negative Breast Cancer. *Oncology research*, 34(2), 14.

Kim E, et al. (2024) NCI Cancer Research Data Commons: Lessons Learned and Future State. *Cancer research*, 84(9), 1404.

Kim H, et al. (2024) Mapping extrachromosomal DNA amplifications during cancer progression. *Nature genetics*, 56(11), 2447.

Luebeck J, et al. (2023) Extrachromosomal DNA in the cancerous transformation of Barrett's oesophagus. *Nature*, 616(7958), 798.

Tercan B, et al. (2022) SL-Cloud: A Cloud-based resource to support synthetic lethal interaction discovery. *F1000Research*, 11, 493.

Elmarakeby HA, et al. (2021) Biologically informed deep neural network for prostate cancer discovery. *Nature*, 598(7880), 348.

He MX, et al. (2021) Transcriptional mediators of treatment resistance in lethal prostate cancer. *Nature medicine*, 27(3), 426.

Leclair NK, et al. (2020) Poison Exon Splicing Regulates a Coordinated Network of SR Protein Expression during Differentiation and Tumorigenesis. *Molecular cell*, 80(4), 648.

Cao S, et al. (2020) Discovery of driver non-coding splice-site-creating mutations in cancer. *Nature communications*, 11(1), 5573.

Kim H, et al. (2020) Extrachromosomal DNA is associated with oncogene amplification and poor outcome across multiple cancers. *Nature genetics*, 52(9), 891.

Park S, et al. (2019) Differential Functions of Splicing Factors in Mammary Transformation and Breast Cancer Metastasis. *Cell reports*, 29(9), 2672.