**Synapse**

**RRID:** SCR_006307  
**Type:** Tool

**Proper Citation**

Synapse (RRID:SCR_006307)

**Resource Information**

**URL:** [https://www.synapse.org/](https://www.synapse.org/)  
**Proper Citation:** Synapse (RRID:SCR_006307)

**Description:** A cloud-based collaborative platform which co-locates data, code, and computing resources for analyzing genome-scale data and seamlessly integrates these services allowing scientists to share and analyze data together. Synapse consists of a web portal integrated with the R/Bioconductor statistical package and will be integrated with additional tools. The web portal is organized around the concept of a Project which is an environment where you can interact, share data, and analysis methods with a specific group of users or broadly across open collaborations. Projects provide an organizational structure to interact with data, code and analyses, and to track data provenance. A project can be created by anyone with a Synapse account and can be shared among all Synapse users or restricted to a specific team. Public data projects include the Synapse Commons Repository (SCR) (syn150935) and the metaGenomics project (syn275039). The SCR provides access to raw data and phenotypic information for publicly available genomic data sets, such as GEO and TCGA. The metaGenomics project provides standardized preprocessed data and precomputed analysis of the public SCR data.

**Abbreviations:** Synapse

**Resource Type:** storage service resource, database, service resource, data or information resource, data repository

**Keywords:** data sharing, collaboration, data management, analysis, genome, phenotype, crowd sourcing, open data, provenance, resource management, annotation, authoring, markup, r, python, java, command-line, cloud, FASEB list
**Related Condition:** Cancer, Normal, Cardiovascular disease, Floppy hat syndrome

**Funding Agency:** Life Sciences Discovery Fund, NCI, NHLBI, Alfred P. Sloan Foundation

**Availability:** The community can contribute to this resource

**Resource Name:** Synapse

**Resource ID:** SCR_006307

**Alternate IDs:** nlx_151983, DOI:10.7303, DOI:10.17616/R3B934


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**Ratings and Alerts**

No rating or validation information has been found for Synapse.

No alerts have been found for Synapse.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**Usage and Citation Metrics**

We found 522 mentions in open access literature.

**Listed below are recent publications.** The full list is available at RRID.


Wang J, et al. (2023) CDK4/6 inhibition enhances SHP2 inhibitor efficacy and is dependent upon restoration of RB function in malignant peripheral nerve sheath tumors. bioRxiv : the preprint server for biology.


