Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

Stem Cell Commons

RRID:SCR_004415
Type: Tool

Proper Citation

Stem Cell Commons (RRID:SCR_004415)

Resource Information

URL: http://stemcellcommons.org/

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Description: Open source environment for sharing, processing and analyzing stem cell data bringing together stem cell data sets with tools for curation, dissemination and analysis. Standardization of the analytical approaches will enable researchers to directly compare and integrate their results with experiments and disease models in the Commons. Key features of the Stem Cell Commons * Contains stem cell related experiments * Includes microarray and Next-Generation Sequencing (NGS) data from human, mouse, rat and zebrafish * Data from multiple cell types and disease models * Carefully curated experimental metadata using controlled vocabularies * Export in the Investigation-Study-Assay tabular format (ISA-Tab) that is used by over 30 organizations worldwide * A community oriented resource with public data sets and freely available code in public code repositories such as GitHub Currently in development * Development of Refinery, a novel analysis platform that links Commons data to the Galaxy analytical engine * ChIP-seq analysis pipeline (additional pipelines in development) * Integration of experimental metadata and data files with Galaxy to guide users to choose workflows, parameters, and data sources Stem Cell Commons is based on open source software and is available for download and development.

Abbreviations: Stem Cell Commons

Synonyms: HSCI Blood Genomics, Harvard Stem Cell Institute Blood Genomics, Harvard Stem Cell Institute Blood Program, HSCI Blood Program

Resource Type: analysis service resource, data or information resource, data repository, data set, database, production service resource, service resource, software resource, source code, storage service resource

Defining Citation: PMID:24303302

Keywords: therapeutic target, blood, stem cell, self-renewal, embryonic stem cell, hematopoietic stem cell, leukemia stem cell, gene, protein, phenotype, therapeutic, annotate, share, analyze, data sharing, statistics, visualize, analyze, microarray, next-generation sequencing, statistics, transcription profiling, genome, genome browser, disease model

Related Condition: Normal, Acute Myelogenous Leukemia, Glioblastoma, Primitive Neuroectodermal Tumor, Etc.

Availability: Open unspecified license

Resource Name: Stem Cell Commons

Resource ID: SCR_004415

Alternate IDs: nlx_42085

Old URLs: http://bloodprogram.hsci.harvard.edu/

Record Creation Time: 20220129T080224+0000

Record Last Update: 20260905T132519+0000

Ratings and Alerts

No rating or validation information has been found for Stem Cell Commons.

No alerts have been found for Stem Cell Commons.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

He Y, et al. (2019) OSCI: standardized stem cell ontology representation and use cases for stem cell investigation. BMC bioinformatics, 20(Suppl 5), 180.

Wei T, et al. (2015) Web resources for stem cell research. Genomics, proteomics & bioinformatics, 13(1), 40.