## **Resource Summary Report**

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# **Signaling Pathways Project**

RRID:SCR 018412

Type: Tool

## **Proper Citation**

Signaling Pathways Project (RRID:SCR\_018412)

#### **Resource Information**

**URL:** <a href="https://signalingpathways.org">https://signalingpathways.org</a>

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**Description:** Web multi omics knowledgebase based upon public, manually curated transcriptomic and cistromic datasets involving genetic and small molecule manipulations of cellular receptors, enzymes and transcription factors. Integrated omics knowledgebase for mammalian cellular signaling pathways. Web browser interface was designed to accommodate numerous routine data mining strategies. Datasets are biocurated versions of publically archived datasets and are formatted according to recommendations of the FORCE11 Joint Declaration on Data Citation Principles73, and are made available under Creative Commons CC 3.0 BY license. Original datasets are available.

**Abbreviations: SPP** 

Resource Type: data or information resource, database

**Defining Citation: PMID:31672983** 

**Keywords:** Data integration, genetic database, gene regulatory network, cell signalling, cellular signalling network, transcriptomic data, manualy curated, cistromic data, cellular receptor, enzyme, transcriptomic factor, mammalian cellular signaling pathway, data mining strategy, dataset, , bio.tools

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NIDDK DK097748; NIDDK DK48807; NIDDK DK107535; NIDDK DK56338: NIDDK DK095686;

NIDDK DK105126:

NCI CA125123;

NHLBI HL127624;

Dan L. Duncan NCI Comprehensive Cancer Center at Baylor College of Medicine;

**CPRIT RP150578** 

Availability: Free, Freely available

Resource Name: Signaling Pathways Project

Resource ID: SCR\_018412

**Alternate IDs:** biotools:Signaling\_Pathways\_Project

Alternate URLs: https://bio.tools/Signaling\_Pathways\_Project

Old URLs: https://www.signalingpathways.org

**Record Creation Time:** 20220129T080340+0000

**Record Last Update:** 20250502T060524+0000

### Ratings and Alerts

No rating or validation information has been found for Signaling Pathways Project.

No alerts have been found for Signaling Pathways Project.

#### Data and Source Information

Source: SciCrunch Registry

### Usage and Citation Metrics

We found 22 mentions in open access literature.

**Listed below are recent publications.** The full list is available at <u>NIF</u>.

Li C, et al. (2025) NOTCH3 Mutation Causes Glymphatic Impairment and Promotes Brain Senescence in CADASIL. CNS neuroscience & therapeutics, 31(1), e70140.

Wei X, et al. (2024) Super-enhancer-driven ZFP36L1 promotes PD-L1 expression in infiltrative gastric cancer. eLife, 13.

Zhuang J, et al. (2023) PCSK9, a novel immune and ferroptosis related gene in abdominal aortic aneurysm neck. Scientific reports, 13(1), 6054.

Zhang GP, et al. (2023) Mechanical confinement promotes heat resistance of hepatocellular carcinoma via SP1/IL4I1/AHR axis. Cell reports. Medicine, 4(8), 101128.

Xu L, et al. (2023) hsa\_circ\_0007919 induces LIG1 transcription by binding to FOXA1/TET1 to enhance the DNA damage response and promote gemcitabine resistance in pancreatic ductal adenocarcinoma. Molecular cancer, 22(1), 195.

Tan W, et al. (2022) Hsp90 Inhibitor STA9090 induced VPS35 related extracellular vesicle release and metastasis in hepatocellular carcinoma. Translational oncology, 26, 101502.

Lu W, et al. (2022) PDGFD switches on stem cell endothelial commitment. Angiogenesis, 25(4), 517.

Wang Q, et al. (2022) Comprehensive analysis identified a reduction in ATP1A2 mediated by ARID3A in abdominal aortic aneurysm. Journal of cellular and molecular medicine, 26(10), 2866.

Chiang JYL, et al. (2022) Discovery of farnesoid X receptor and its role in bile acid metabolism. Molecular and cellular endocrinology, 548, 111618.

Katzen J, et al. (2022) Disruption of proteostasis causes IRE1 mediated reprogramming of alveolar epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 119(43), e2123187119.

Ochsner SA, et al. (2022) Transcriptional regulatory networks of circulating immune cells in type 1 diabetes: A community knowledgebase. iScience, 25(7), 104581.

Han H, et al. (2021) Prostate epithelial genes define therapy-relevant prostate cancer molecular subtype. Prostate cancer and prostatic diseases, 24(4), 1080.

Leach DA, et al. (2021) Roles of steroid receptors in the lung and COVID-19. Essays in biochemistry, 65(6), 1025.

Jungwirth E, et al. (2021) Meta-analysis and Consolidation of Farnesoid X Receptor Chromatin Immunoprecipitation Sequencing Data Across Different Species and Conditions. Hepatology communications, 5(10), 1721.

Bissig-Choisat B, et al. (2021) A human liver chimeric mouse model for non-alcoholic fatty liver disease. JHEP reports: innovation in hepatology, 3(3), 100281.

Chen Y, et al. (2021) Downregulation of Filamin a Expression in the Aorta Is Correlated With Aortic Dissection. Frontiers in cardiovascular medicine, 8, 690846.

Ochsner SA, et al. (2020) Consensus transcriptional regulatory networks of coronavirus-infected human cells. bioRxiv: the preprint server for biology.

Ochsner SA, et al. (2020) No Dataset Left Behind: Mechanistic Insights into Thyroid Receptor Signaling Through Transcriptomic Consensome Meta-Analysis. Thyroid: official journal of the American Thyroid Association, 30(4), 621.

Santoso CS, et al. (2020) In vitro Targeting of Transcription Factors to Control the Cytokine Release Syndrome in COVID-19. bioRxiv: the preprint server for biology.

Pohl E, et al. (2020) Classical pathways of gene regulation by retinoids. Methods in enzymology, 637, 151.