Pathway Interaction Database

RRID:SCR_006866
Type: Tool

Proper Citation

Pathway Interaction Database (RRID:SCR_006866)

Resource Information

URL: http://pid.nci.nih.gov

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on July 27, 2016. Curated database of information about known biomolecular interactions and key cellular processes assembled into signaling pathways. All interactions are assembled into pathways, and can be accessed by performing searches for biomolecules, or processes, or by viewing predefined pathways. This was a collaborative project between the NCI and Nature Publishing Group (NPG) from 2006 until September 22nd, 2012, and is no longer being updated. PID is aimed at the cancer research community and others interested in cellular pathways, such as neuroscientists, developmental biologists, and immunologists. The database focuses on the biomolecular interactions that are known or believed to take place in human cells. It can be browsed as an online encyclopedia, used to run computational analyses, or employed in ways that combine these two approaches. In addition to PID’s predefined pathways, search results are displayed as dynamically constructed interaction networks. These features of PID render it a useful tool for both biologists and bioinformaticians. PID offers a range of search features to facilitate pathway exploration. Users can browse the predefined set of pathways or create interaction network maps centered on a single molecule or cellular process of interest. In addition, the batch query tool allows users to upload long list(s) of molecules, such as those derived from microarray experiments, and either overlay these molecules onto predefined pathways or visualize the complete molecular connectivity map. Users can also download molecule lists, citation lists and complete database content in extensible markup language (XML) and Biological Pathways Exchange (BioPAX) Level 2 format. The database is supplemented by a concise editorial section that includes specially written synopses of recent important research articles in areas related to cancer research, and specially commissioned Bioinformatics Primers that provide practical advice on how to make the most of other relevant online resources. The database and editorial content are updated monthly, and users can opt to
receive a monthly email alert to stay informed about new content. Note: as of September 23, 2012 the PID is no longer being actively curated. NCI will maintain the PID website and data for twelve months beyond September 2012 to allow interested parties to obtain the previously curated data before the site is retired in September 2013.

**Abbreviations:** PID, NCI Nature PID

**Synonyms:** Pathway Interaction Database

**Resource Type:** database, analysis service resource, service resource, data or information resource, production service resource, data analysis service

**Defining Citation:** PMID:18832364

**Keywords:** cellular process, interaction, neuroscience, pathway, molecule, cancer, molecular interaction, signaling pathway, visualization, connectivity, interaction network

**Funding Agency:** NCI

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** Pathway Interaction Database

**Resource ID:** SCR_006866

**Alternate IDs:** nif-0000-03286

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**Ratings and Alerts**

No rating or validation information has been found for Pathway Interaction Database.

No alerts have been found for Pathway Interaction Database.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**Usage and Citation Metrics**

We found 90 mentions in open access literature.

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

Vocale LG, et al. (2021) RNA-seq and GSEA identifies suppression of ligand-gated chloride efflux channels as the major gene pathway contributing to form deprivation myopia. Scientific reports, 11(1), 5280.


