Research Collaboratory for Structural Bioinformatics Protein Data Bank (RCSB PDB)

RRID:SCR_012820
Type: Tool

Proper Citation

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Resource Information

URL: http://www.rcsb.org/#Category-welcome

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Description: Collection of structural data of biological macromolecules. Database of information about 3D structures of large biological molecules, including proteins and nucleic acids. Users can perform queries on data and analyze and visualize results.

Abbreviations: RCSB PDB

Synonyms: PDB, RCSB, RCSB Protein Data Bank, Research Collaboratory for Structural Bioinformatics Protein Data Bank, Protein Databank, Protein Data Bank, The Protein Data Bank

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

Defining Citation: PMID:12037327

Keywords: 3-dimensional, annotation, molecule, nucleic acid, protein, visualization, sequence, function, macromolecule, ligand, model, dna, x-ray crystallography, ribosome, structure, oncogene, nucleic acids, molecular structure, cryomicroscopy, gold standard, FASEB list

Funding Agency: NIH, DOE, NSF
Availability: Public, Acknowledgement requested

Resource Name: Research Collaboratory for Structural Bioinformatics Protein Data Bank (RCSB PDB)

Resource ID: SCR_012820

Alternate IDs: nif-0000-00135, SCR_017379, SCR_017379


Old URLs: http://www.rcsb.org/pdb/

Ratings and Alerts

No rating or validation information has been found for Research Collaboratory for Structural Bioinformatics Protein Data Bank (RCSB PDB).

No alerts have been found for Research Collaboratory for Structural Bioinformatics Protein Data Bank (RCSB PDB).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5099 mentions in open access literature.

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


Zhang X, et al. (2023) α-glucan protects against necrotizing enterocolitis in mice by inhibiting intestinal inflammation, improving the gut barrier, and modulating gut microbiota. Journal of translational medicine, 21(1), 14.


Schöller E, et al. (2021) Balancing of mitochondrial translation through METTL8-mediated m3C modification of mitochondrial tRNAs. Molecular cell, 81(23), 4810.


He QR, et al. (2021) The natural product trienomycin A is a STAT3 pathway inhibitor that exhibits potent in vitro and in vivo efficacy against pancreatic cancer. British journal of pharmacology, 178(12), 2496-2515.
