

Resource Summary Report

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

RRID:SCR_012820

Type: Tool

Proper Citation

Research Collaboratory for Structural Bioinformatics Protein Data Bank (RCSB PDB)
(RRID:SCR_012820)

Resource Information

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

Proper Citation: Research Collaboratory for Structural Bioinformatics Protein Data Bank (RCSB PDB) (RRID:SCR_012820)

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

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

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: NIH ;
DOE ;
NSF DBI-1338415

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, r3d100010327

Alternate URLs: <http://www.rcsb.org>, <http://www.pdb.org>,

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

Record Creation Time: 20220129T080312+0000

Record Last Update: 20260804T043504+0000

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 9870 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Li H, et al. (2026) PDZRN4 suppresses lung adenocarcinoma progression via inhibiting ubiquitin-mediated HIF-1A degradation. *Oncogene*, 45(4), 577.

Pan J, et al. (2026) Cannabidiol suppresses emergency MDSCs generation by disturbing EEf1B2-mediated C/EBP β protein synthesis in colorectal adenomas. *Journal for immunotherapy of cancer*, 14(1).

Ben Attia T, et al. (2026) Nephroprotective Potential of *Olea europaea* Leaf Extract Against Combined Noise and Toluene-Induced Oxidative and Histopathological Renal Injuries in Wistar Rats. *Chemistry & biodiversity*, 23(1), e02857.

Zhou P, et al. (2026) Exploring the role of cytochrome P450 family 1 subfamily B member 1 and quercetin in modulating neuropathic pain after spinal cord injury. *Molecular medicine reports*, 33(1).

Abdelaal MR, et al. (2026) The antigen-presenting molecule MR1 binds host-generated riboflavin catabolites. *The Journal of experimental medicine*, 223(2).

Putra WE, et al. (2026) Integrative computational approach to farnesyltransferase inhibition toward anti-liver cancer drug candidate from *Syzygium cumini* essential oils. *Molecular biology research communications*, 15(1), 49.

Jiang M, et al. (2026) SIRT6-Mediated Regulation of TFAM: A Central Mechanism Connecting Nuclear and Mitochondrial Transcriptional Processes and Mitophagy. *International journal of biological sciences*, 22(1), 178.

Wakid MH, et al. (2026) Kaempferol activity on *Cryptosporidium parvum* infection in an experimentally infected immunocompromised mouse model: In silico and in vivo investigations. *Pharmaceutical biology*, 64(1), 27.

Garcia V, et al. (2026) Design and characterization of calprotectin tetramerization variants for probing the role of oligomerization in receptor activation. *Protein science : a publication of the Protein Society*, 35(1), e70399.

Ueda Y, et al. (2026) Substrate recognition mechanisms of γ -glutamate oxidase from *Streptomyces* sp. and its conversion to γ -tyrosine oxidase. *Protein science : a publication of the Protein Society*, 35(1), e70432.

Stolz M, et al. (2026) Architectural principles of transporter-chaperone coupling within the native MHC I peptide-loading complex. *Science advances*, 12(1), eaea7735.

Yañez IM, et al. (2026) Neuroglobin: A promising candidate to treat neurological diseases. *Neural regeneration research*, 21(4), 1292.

Zhang H, et al. (2026) When glycobiology meets inflammasome activation: Insights and implications. *Journal of advanced research*, 79, 833.

Khan A, et al. (2026) HMPV-TherResDB: Comprehensive human metapneumovirus (HMPV) database for sequence-structure annotations, vaccine resources, and therapeutics research. *Virus research*, 363, 199665.

Zhang Q, et al. (2026) Synergistic effects of Akebia saponin D and Semaglutide on diabetic nephropathy and osteoporosis via the Klotho/p53 signaling axis. *International journal of molecular medicine*, 57(1).

Cheng M, et al. (2026) Targeting p38 MAPK signaling pathway: Quercetin as a novel therapy for TMJ synovitis. *International journal of molecular medicine*, 57(1).

Ncir WB, et al. (2026) First LDLRAP1 and Recurrent LDLR Mutations in Tunisian Families With Familial Hypercholesterolemia. *Journal of cellular and molecular medicine*, 30(1), e70997.

Schütt I, et al. (2026) Inhibitors of GapN-dependent NADPH supply as potential lead compounds for novel therapeutics against *Streptococcus pyogenes*. *Virulence*, 17(1), 2609393.

Shi D, et al. (2026) Gut microbiota-derived tryptophan metabolite indole-3-carboxaldehyde enhances intestinal barrier function via aryl hydrocarbon receptor/AMP-activated protein kinase signaling activation. *Animal bioscience*, 39(1), 250225.

Alboshokeh MA, et al. (2026) Site-Specific PEGylation at Residue 86 Improves Pharmacokinetic Properties of Interferon γ -2b. Iranian journal of biotechnology, 24(1), e4062.