

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 or information resource, data repository, database, service resource, storage 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: DOE ;
NIH ;
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: 20260903T235220+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 12459 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Wang Y, et al. (2026) γ -Linolenic acid suppresses Th17 cell differentiation to mitigate allergic rhinitis by binding to Lyn kinase in mast cells. British journal of pharmacology, 183(12), 3234.

Sinyavskiy S, et al. (2026) Benzo[e][1,2,4]triazolo[1,5-c][1,2,3]triazines: Design, Synthesis, and Cytotoxic Effects. Chemistry & biodiversity, 23(6), e71416.

Yu L, et al. (2026) Systematic characterization of PBP2 as the primary siderophore recognizer in Actinomycetes and other Gram-positive bacteria. Microbial genomics, 12(4).

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).

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

Wang D, et al. (2026) PRMT5 is Frequently Upregulated and a Potential Therapeutic Target in MTAP-deficient Malignant Peripheral Nerve Sheath Tumors. *bioRxiv : the preprint server for biology*.

Cisneros AF, et al. (2026) Paralog interference contributes to the preservation of genetic redundancy. *Current biology : CB*, 36(6), 1373.

Su Q, et al. (2026) Integrated bulk RNA-seq and scRNA-seq identification of a novel "PET-SPI1-MYL9" transcriptional axis in lung adenocarcinoma driven by polyethylene terephthalate exposure. *Translational cancer research*, 15(3), 173.

Francette AM, et al. (2026) Evolutionary analysis of transcription elongation factors reveals conserved and lineage-specific regulatory domains. *PLoS biology*, 24(6), e3003855.

Azadi A, et al. (2026) Encapsulation of colistin using hyaluronic acid and PVA-PSS polymeric nanocarriers for enhanced drug delivery: a molecular dynamics simulation study. *Scientific reports*, 16(1).

Jiang YY, et al. (2026) Ze-qi Decoction Inhibits Neutrophil Extracellular Trap Formation to Suppress the Progression and Metastasis of Non-Small Cell Lung Cancer. *Integrative cancer therapies*, 25, 15347354261420750.

Liu A, et al. (2026) Soluble Uric Acid Drives CD8⁺ T-cell Exhaustion by Inducing KSR1-Mediated MAPK Hyperactivation. *Cancer research*, 86(14), 3459.

Khalil MS, et al. (2026) Microencapsulation of Monascus Red Pigment Using *Saccharomyces cerevisiae* Ghosts: Process Optimization and Characterization. *Probiotics and antimicrobial proteins*, 18(2), 1874.

Beigh S, et al. (2026) Ginkgolide as a Promising Multi-Target Therapeutic for Alzheimer's Disease: Targeting ApoE4 and Beyond. *Current pharmaceutical design*, 32(15), 1200.

Is?yel M, et al. (2026) Bioinformatics-Based Discovery of Therapeutic Targets in Cadmium-Induced Lung Adenocarcinoma: The Role of Oxyresveratrol. *Biological trace element research*, 204(2), 1068.

Sankar S, et al. (2026) Computational prediction of cyclotides from *Viola odorata* as potential inhibitors against the neuraminidase of *Streptococcus pneumoniae*. *Molecular diversity*, 30(1), 991.

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

Sevrioukova IF, et al. (2026) Interaction of cytochrome P450 3A4 with the hydrophilic ligand tetraethylene glycol. *Biochemical and biophysical research communications*, 794, 153040.

Antonyamy JMA, et al. (2026) Chemical Profiling, In Silico and In Vitro Studies to Identify Potential CDK2 and mTOR Inhibitor From *Selaginella inaequalifolia* (Hook. & Grev.) Spring Ethanolic Extracts. *Chemistry & biodiversity*, 23(2), e02119.

Zhang S, et al. (2026) Microcystin-LR Triggers Renal Tubular Ferroptosis Through Epigenetic Repression of GPX4: Implications for Environmental Nephrotoxicity. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(9), e14349.