

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: 20260821T193938+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 [NIF](#) .

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).

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).

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.

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).

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

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

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.

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.

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.

Fahmi AA, et al. (2026) Linalool exerts antiemetic effects via dopaminergic and serotonergic pathways: Evidence from chick model and molecular docking. *Naunyn-Schmiedeberg's archives of pharmacology*, 399(3), 4401.

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.

Vallat B, et al. (2026) RCSB Protein Data Bank: Delivering integrative structures alongside experimental structures and computed structure models. *Nucleic acids research*, 54(D1), D489.

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.

Ye P, et al. (2026) Realgar-Induced CNS Toxicity: Exploring OTC-Mediated Ornithine Regulation of ZBTB7A Inhibits Astrocyte Glycolysis Based on the Liver-Brain Axis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(2), e02591.