

# Resource Summary Report

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## Biological Magnetic Resonance Data Bank (BMRB)

RRID:SCR\_002296

Type: Tool

### Proper Citation

Biological Magnetic Resonance Data Bank (BMRB) (RRID:SCR\_002296)

### Resource Information

**URL:** <https://bmrbl.io>

**Proper Citation:** Biological Magnetic Resonance Data Bank (BMRB)  
(RRID:SCR\_002296)

**Description:** Public depository that collects, annotates, archives, and disseminates important spectral and quantitative data derived from nuclear magnetic resonance spectroscopic investigations of biological macromolecules and metabolites. Provides reference information and maintains a collection of NMR pulse sequences and computer software for biomolecular NMR.

**Abbreviations:** BioMagResBank, BMRB

**Synonyms:** BMRB, BioMagResBank, Biological Magnetic Resonance DataBank, BioMag Res Bank

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

**Defining Citation:** [PMID:18288446](#), [PMID:17984079](#), [PMID:12766409](#), [PMID:36478084](#)

**Keywords:** magnetic resonance, data bank, depository, database, data repository, spectral data, quantitative data, nmr, spectroscopy, macromolecule, metabolite, metabolomics, FASEB list

**Funding:** NLM LM05799

**Availability:** Free, Freely available

**Resource Name:** Biological Magnetic Resonance Data Bank (BMRB)

**Resource ID:** SCR\_002296

**Alternate IDs:** r3d100010191, nif-0000-21058

**Record Creation Time:** 20220129T080212+0000

**Record Last Update:** 20260821T193639+0000

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## Ratings and Alerts

No rating or validation information has been found for Biological Magnetic Resonance Data Bank (BMRB).

No alerts have been found for Biological Magnetic Resonance Data Bank (BMRB).

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 790 mentions in open access literature.

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

Nagy-Kanta E, et al. (2026) Residual flexibility in the topologically constrained multivalent complex between the GKAP scaffold and LC8 hub proteins. The FEBS journal, 293(1), 76.

Reddy Ramireddy R, et al. (2026) The kinase inhibitor palbociclib binds to HIV TAR RNA with very low nanomolar affinity and exquisite specificity. Nucleic acids research, 54(5).

Ibanco-Cañete R, et al. (2026) Sex-Driven Variation in Polar Metabolites and Lipid Motifs of *Paracentrotus lividus* Gonads Profiled by 1H NMR. Metabolites, 16(3).

Labat-de-Hoz L, et al. (2026) Structural and functional dissection of the WH2/DAD motif of INF2, a formin linked to human inherited degenerative disorders. The FEBS journal, 293(3), 825.

Perez-Borrajero C, et al. (2026) TRIM2 E3 ligase substrate discovery reveals zinc-mediated regulation of TMEM106B in the endolysosomal pathway. EMBO reports, 27(3), 729.

Ghini V, et al. (2026) An Integrated NMR Approach for Evaluating Linker-Payload Conjugation with Monoclonal Antibodies. Bioconjugate chemistry, 37(2), 472.

Huang EY, et al. (2026) Structural basis of allosteric activation of Mycobacterium tuberculosis isocitrate lyase 2. Communications biology, 9(1).

Pandey A, et al. (2026) Exploring metabolic signatures in urine using NMR for improved prognosis of gliomas. Metabolomics : Official journal of the Metabolomic Society, 22(2).

Hansen IKØ, et al. (2026) Isolation and Characterization of St-CRPs: Cysteine-Rich Peptides from the Arctic Marine Ascidian *Synoicum turgens*. Marine drugs, 24(5).

Abdelsalam A, et al. (2026) Integrative metabolomic and genetic analysis of in vitro regenerated *Populus alba* in response to nano hydroxyapatite. *BMC plant biology*, 26(1).

Liu G, et al. (2026) Contributions of DNA mechanics and trans-regulation to nucleosome positioning in *Schizosaccharomyces pombe* and its role in co-transcriptional splicing. *Epigenetics & chromatin*, 19(1).

Nameki N, et al. (2026) Solution structure of mouse HBS1L/SKI7-specific UBA domain in complex with ubiquitin: Implications for stalled ribosome recognition. *PloS one*, 21(6), e0348877.

Moschidi D, et al. (2026) NMR study of human macroPARPs domains: <sup>1</sup>H, <sup>13</sup>C and <sup>15</sup>N backbone and side-chain chemical shift assignments of hPARP9 macro domain 1 (MD1) in the apo and in the ADPr bound states. *Biomolecular NMR assignments*, 20(1).

Kovács B, et al. (2026) Higher-Level Structural Classification of *Pseudomonas* Cyclic Lipopeptides through Their Bioactive Conformation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(12), e20365.

Su?ec I, et al. (2026) A dynamic displacement mechanism drives protein import into mitochondria. *bioRxiv : the preprint server for biology*.

Rodella MA, et al. (2026) At the core of the interaction: Probing charged side chains in flexible protein regions with simultaneous nuclear magnetic resonance experiments. *Protein science : a publication of the Protein Society*, 35(4), e70533.

López-Sánchez R, et al. (2026) PolyProline Predictor: A web server for empirical sequence-based prediction of polyproline II helices. *Protein science : a publication of the Protein Society*, 35(7), e70675.

Foote JB, et al. (2025) A Pan-RAS Inhibitor with a Unique Mechanism of Action Blocks Tumor Growth and Induces Antitumor Immunity in Gastrointestinal Cancer. *Cancer research*, 85(5), 956.

Meng Y, et al. (2025) Protein structure prediction via deep learning: an in-depth review. *Frontiers in pharmacology*, 16, 1498662.

Streit JO, et al. (2025) Rational design of <sup>19</sup>F NMR labelling sites to probe protein structure and interactions. *Nature communications*, 16(1), 4300.