

Resource Summary Report

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NMRbox

RRID:SCR_014827

Type: Tool

Proper Citation

NMRbox (RRID:SCR_014827)

Resource Information

URL: <http://nmrbox.org>

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Description: Computing platform for biomolecular NMR available to not-for-profit or government users. It consists of a virtual machine (VM) provisioned with dozens of widely-used NMR software packages, and is available as a cloud-based Platform-as-a-Service (PaaS) or as a downloadable VM for local execution.

Synonyms: , Nuclear Magnetic Resonance box, NMRbox.org

Resource Type: software resource, software toolkit, web application

Keywords: Nuclear Magnetic Resonance, nmr, spectra, computing platform, platform, virtual machine, cloud, software toolbox

Funding: NIGMS P41GM111135

Availability: Account required

Resource Name: NMRbox

Resource ID: SCR_014827

Record Creation Time: 20220129T080322+0000

Record Last Update: 20260912T195822+0000

Ratings and Alerts

No rating or validation information has been found for NMRbox.

No alerts have been found for NMRbox.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 92 mentions in open access literature.

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

Jahangiri A, et al. (2026) Toward ultimate NMR resolution with deep learning. Science advances, 12(13), eady7995.

Tino AS, et al. (2026) Peptide ligands to explore interactions with intrinsically disordered multidomain proteins: the case of SARS-CoV-2 nucleocapsid protein. Scientific reports, 16(1).

Eletsky A, et al. (2026) Conformational Preferences for N-Glycans at the Surface of CEACAM1-Ig1. ACS chemical biology, 21(1), 130.

Zeinalilathori S, et al. (2026) Structure of the disulfide-rich modules of a striking tandem repeat protein, avian cysteine-rich eggshell membrane protein. Protein science : a publication of the Protein Society, 35(1), e70431.

Payliss BJ, et al. (2026) Dual-site phosphorylation of SLX4 stabilizes the SLX4-MUS81 interface to promote mitotic SMX assembly and genome protection. Nucleic acids research, 54(9).

Pozhidaeva A, et al. (2026) The DMV pore-forming TM2-Y region of SARS-CoV-2 nsp3 exhibits structural conservation beyond the coronavirus family. Journal of virology, 100(5), e0203825.

Rocha LS, et al. (2026) The KW18 peptide acts as a dual antimicrobial and immunomodulatory therapeutic candidate in the context of antimicrobial resistance. European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology, 45(5), 1379.

Liu J, et al. (2026) Chaperonin recognition of protein dynamics drives drug resistance. bioRxiv : the preprint server for biology.

Acharya N, et al. (2026) STI1 domain engages transient helices to mediate Dsk2 phase separation and proteasome condensation. The EMBO journal, 45(8), 2712.

Gagné D, et al. (2026) Complete and Rapid NMR Characterization of Therapeutic Monoclonal Antibodies via Differential Labeling of Fab Fragments in Escherichia coli. Analytical chemistry, 98(15), 11322.

Szekely O, et al. (2026) Assessing the contribution of rare DNA states to cancer mutational signatures using sequence-specific conformational fingerprinting. Nature communications, 17(1).

Lin QT, et al. (2025) Protocol for deriving distance restraints from AlphaFold for use in solution NMR structure determination. STAR protocols, 6(3), 103988.

Lu X, et al. (2025) Optimization of the PROTAC linker region of the proteasome substrate receptor hRpn13 rationalized by structural modeling with molecular dynamics. The Journal of biological chemistry, 301(6), 108520.

Hernandez G, et al. (2025) Dynamic ensembles of SARS-CoV-2 N-protein reveal head-to-head coiled-coil-driven oligomerization and phase separation. Nucleic acids research, 53(11).

Li K, et al. (2025) Strategic Acyl Carrier Protein Engineering Enables Functional Type II Polyketide Synthase Reconstitution In Vitro. ACS chemical biology, 20(1), 197.

Hoch JC, et al. (2025) Scalable cyberinfrastructure for experimental NMR data. Scientific data, 13(1), 131.

Jin Y, et al. (2025) γ T cells detect mevalonate diphosphate via BTN3A3. Cellular and molecular life sciences : CMLS, 82(1), 405.

Rovnyak HB, et al. (2025) Decoherence Principles and Algorithms for One-Dimensional Nonuniform Sampling Schedules for Multidimensional NMR. Analytical chemistry, 97(49), 27091.

Shriver TJ, et al. (2025) Intrinsic conformational equilibria position arrestin-2 for activation. bioRxiv : the preprint server for biology.

Lv G, et al. (2025) Amyloid fibril structures link CHCHD10 and CHCHD2 to neurodegeneration. Nature communications, 16(1), 7121.