Resource Summary Report

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Collaborative Computing Project for NMR

RRID:SCR_016983
Type: Tool

Proper Citation

Collaborative Computing Project for NMR (RRID:SCR_016983)

Resource Information

URL: https://www.ccpn.ac.uk/

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Description: Project provides tools and knowledge to maximize the impact of the biological NMR studies. CCPN software facilitates data analysis and software integration. Project promotes the exchange of knowledge and provides training and best practices for the NMR community and has leading role in the development of NMR data sharing standard and coordination of NMR instrumentation proposals. Includes CCPN Data Model for macromolecular NMR and related areas, CcpNmr suite of programs like Analysis for spectrum visualization, resonance assignment and analysis, ChemBuild to create chemical structure templates in an NMR aware manner, FormatConverter for data exchange with common textual NMR formats and SpecView for swift, format independent peak and spectrum visualization.

Abbreviations: CCPN

Synonyms: CCPN, Collaborative Computing Project for NMR, The Collaborative Computing Project for NMR

Resource Type: project portal, data or information resource, forum, portal, narrative resource, discussion

Defining Citation: PMID:15613391

Keywords: collaborative, computing, project, NMR, software, data, standard, protein, molecule, spectroscopy, global

Funding: Medical Research Council ;
Astra-Zeneca ;
Genentech ;
Dupont Pharma ;
GlaxoSmithKline ;

BBSRC

Availability: Free for non profit, Public, Acknowledgement requested

Resource Name: Collaborative Computing Project for NMR

Resource ID: SCR_016983

Alternate URLs: https://sourceforge.net/projects/ccpn/

License: GNU GPL, CCPN licence

Record Creation Time: 20220129T080333+0000

Record Last Update: 20260801T042803+0000

Ratings and Alerts

No rating or validation information has been found for Collaborative Computing Project for NMR.

No alerts have been found for Collaborative Computing Project for NMR.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Baskaran K, et al. (2024) Restraint Validation of Biomolecular Structures Determined by NMR in the Protein Data Bank. bioRxiv : the preprint server for biology.

Goretzki B, et al. (2024) Dual BACH1 regulation by complementary SCF-type E3 ligases. Cell, 187(26), 7585.

Estelle AB, et al. (2022) Native state fluctuations in a peroxiredoxin active site match motions needed for catalysis. Structure (London, England : 1993), 30(2), 278.

Boisvert O, et al. (2022) Zinc Fingers 10 and 11 of Miz-1 undergo conformational exchange to achieve specific DNA binding. Structure (London, England : 1993), 30(4), 623.

Wu H, et al. (2022) Structural characterization of a dimerization interface in the CD28 transmembrane domain. Structure (London, England : 1993), 30(6), 803.

Zacharchenko T, et al. (2022) Structural basis of Apt48 inhibition of the BCL6 BTB domain. Structure (London, England : 1993), 30(3), 396.

Ludzia P, et al. (2021) Structural characterization of KKT4, an unconventional microtubule-binding kinetochore protein. Structure (London, England : 1993), 29(9), 1014.

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Gomara MJ, et al. (2020) Importance of structure-based studies for the design of a novel HIV-1 inhibitor peptide. Scientific reports, 10(1), 14430.

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Dekoninck K, et al. (2020) Defining the function of OmpA in the Rcs stress response. eLife, 9.

Li M, et al. (2019) Surface-Binding to Cardiolipin Nanodomains Triggers Cytochrome c Pro-apoptotic Peroxidase Activity via Localized Dynamics. Structure (London, England : 1993), 27(5), 806.

Ji Z, et al. (2019) Kibra Modulates Learning and Memory via Binding to Dendrin. Cell reports, 26(8), 2064.

Slack RL, et al. (2019) Conformational Changes in HIV-1 Reverse Transcriptase that Facilitate Its Maturation. Structure (London, England : 1993), 27(10), 1581.

Bardiaux B, et al. (2019) Structure and Assembly of the Enterohemorrhagic Escherichia coli Type 4 Pilus. Structure (London, England : 1993), 27(7), 1082.

Yan R, et al. (2019) The Structure of the Pro-domain of Mouse proNGF in Contact with the NGF Domain. Structure (London, England : 1993), 27(1), 78.

Newcomer RL, et al. (2019) The phage L capsid decoration protein has a novel OB-fold and an unusual capsid binding strategy. eLife, 8.