

Resource Summary Report

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CCP4

RRID:SCR_007255

Type: Tool

Proper Citation

CCP4 (RRID:SCR_007255)

Resource Information

URL: <http://www.ccp4.ac.uk/>

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Description: Portal for Macromolecular X-Ray Crystallography to produce and support an integrated suite of programs that allows researchers to determine macromolecular structures by X-ray crystallography, and other biophysical techniques. Used in the education and training of scientists in experimental structural biology for determination and analysis of protein structure.

Abbreviations: CCP4

Synonyms: The Collaborative Computational Project Number 4 in Protein Crystallography, Collaborative Computational Project Number 4

Resource Type: software application, service resource, data analysis software, data or information resource, software resource, data processing software, simulation software, portal

Keywords: macromolecular, x-ray, crystallography, biophysical, technique, structural, biology, analysis, protein, Research Complex at Harwell, computational, collaborative, project

Funding: Science and Technology Facilities Council

Availability: Free, Available for download, Freely available, Tutorial available

Resource Name: CCP4

Resource ID: SCR_007255

Alternate IDs: SCR_016709, nif-0000-30238

Record Creation Time: 20220129T080240+0000

Ratings and Alerts

No rating or validation information has been found for CCP4.

No alerts have been found for CCP4.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4740 mentions in open access literature.

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

Palte RL, et al. (2026) WRN structural flexibility showcased through fragment-based lead discovery of inhibitors. Nature communications, 17(1), 79.

Bista S, et al. (2026) Targeting of interaction between BB0323-BB0238 informs new paradigms in Lyme disease therapeutics. PLoS pathogens, 22(1), e1013805.

Le Bas A, et al. (2025) Structure of WzxE the lipid III flippase for Enterobacterial Common Antigen polysaccharide. Open biology, 15(1), 240310.

Hope I, et al. (2025) Crystallographic fragment screening of CDK2-cyclin A: FragLites map sites of protein-protein interaction. Structure (London, England : 1993).

Benjamin JS, et al. (2025) 23ME-01473, an Fc Effector-Enhanced Anti-ULBP6/2/5 Antibody, Restores NK Cell-Mediated Antitumor Immunity through NKG2D and FcγRIIIa Activation. Cancer research communications, 5(3), 476.

Hou P, et al. (2025) Cryo-EM structure of cyanopodophage Pan3 reveals a modular tail architecture for host recognition. Structure (London, England : 1993).

Park H, et al. (2025) N-terminal helix formation and dimer-monomer transition of FGF10 in specific recognition of FGFR2b. The FEBS journal, 292(24), 6735.

Gaines MC, et al. (2025) Unusual cell surfaces, pili, and archaella of Thermoplasmatales archaea. The ISME journal, 19(1).

Xu Z, et al. (2025) Phase separation of hnRNPA1 and TERRA regulates telomeric stability. Journal of molecular cell biology, 16(9).

Pramono H, et al. (2025) Crystal structure of a novel heterooligomeric aminotransferase from Serratia sp. ATCC 39006 provides insights into function. FEBS letters, 599(1), 74.

Davies AM, et al. (2025) The Crystal Structure of Human IgD-Fc Reveals Unexpected Differences With Other Antibody Isotypes. *Proteins*, 93(4), 786.

Fischer K, et al. (2025) Rapid discovery of monoclonal antibodies by microfluidics-enabled FACS of single pathogen-specific antibody-secreting cells. *Nature biotechnology*, 43(6), 960.

Keith AD, et al. (2025) Investigation into the effect of phenylalanine gating on anaerobic haem breakdown using the energy landscape approach. *Protein science : a publication of the Protein Society*, 34(2), e5243.

Schwartz TA, et al. (2025) Molecular Basis of Interchain Disulfide Bond Formation in BMP-9 and BMP-10. *Journal of molecular biology*, 437(4), 168935.

Ujiie K, et al. (2025) Specific recognition mechanism of an antibody to sulfated tyrosine and its potential use in biological research. *The Journal of biological chemistry*, 301(2), 108176.

Zak KM, et al. (2025) Discovery of Small Molecules that Bind to Son of Sevenless 2 (SOS2). *Journal of medicinal chemistry*, 68(3), 2680.

Wei K, et al. (2025) Humanized Candida and NanoBiT Assays Expedite Discovery of Bdf1 Bromodomain Inhibitors With Antifungal Potential. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(10), e2404260.

Gregory KS, et al. (2025) Molecular basis of human angiotensin-1 converting enzyme inhibition by a series of diprolyl-derived compounds. *The FEBS journal*, 292(5), 1141.

Belmontes B, et al. (2025) AMG 193, a Clinical Stage MTA-Cooperative PRMT5 Inhibitor, Drives Antitumor Activity Preclinically and in Patients with MTAP-Deleted Cancers. *Cancer discovery*, 15(1), 139.

Figueras-Novoa C, et al. (2025) Caspase cleavage of influenza A virus M2 disrupts M2-LC3 interaction and regulates virion production. *EMBO reports*, 26(7), 1768.