

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

NPInter

RRID:SCR_007825

Type: Tool

Proper Citation

NPInter (RRID:SCR_007825)

Resource Information

URL: <http://bioinfo.ibp.ac.cn/NPInter/demo/>

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Description: A database covering eight category functional interactions between noncoding RNAs (except tRNAs and rRNAs) and proteins related biomacromolecules (proteins, mRNAs and genomic DNAs) in six model organisms. Functional interactions imply both physical interactions between the ncRNA and protein, and other forms of interaction where the combination of an ncRNA and an mRNA or a genomic DNA sequence elicits a cellular reaction. This database is distinguished from other biomolecular interaction database by: 1. The data of NPInter is novel, in the sense that no earlier database has especially cataloged this type of data (ncRNA-protein interactions). The database now contains more than 700 published functional interactions from the six organisms E. coli, yeast, worm, fly, mouse and human in which functional interactions experiments have been concentrated. The amount of data is not large, but the NPInter covers almost all experimentally verified ncRNA functional interaction data which had been published before the end of last year. 2. The ncRNA functional interaction data are entered into NPInter only following publication in books or peer-reviewed journals. Entry is done manually by a curator, and thereafter double-checked by a second curator. 3. We introduce a classification of the functional interaction data, which is based on the functional interaction process the ncRNA takes part in. 4. NPInter also provides an efficient search option, allowing recovery of interactions, related publications and other information., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: NPInter

Resource Type: data or information resource, database

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: NPInter

Resource ID: SCR_007825

Alternate IDs: nif-0000-03199

Old URLs: <http://bioinfo.ibp.ac.cn/NPIInter/index.php>

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260904T000246+0000

Ratings and Alerts

No rating or validation information has been found for NPIInter.

No alerts have been found for NPIInter.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 102 mentions in open access literature.

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

Liu C, et al. (2025) Dynamic changes of synergy relationship between lncRNA and immune checkpoint in cancer progression. *Briefings in bioinformatics*, 26(4).

Liu H, et al. (2025) RNA-protein interaction prediction using network-guided deep learning. *Communications biology*, 8(1), 247.

Liao Y, et al. (2025) Chronic ethanol administration exacerbates memory loss by altering N6-methyladenosine-mediated epigenetic signaling. *Frontiers in immunology*, 16, 1455994.

Padam KSR, et al. (2025) Multifaceted regulation of the HOX cluster and its implications in oral cancer. *Clinical epigenetics*, 17(1), 126.

Li Y, et al. (2025) Lung Cancer Biomarker Database (LCBD): a comprehensive and curated repository of lung cancer biomarkers. *BMC cancer*, 25(1), 478.

Sharma S, et al. (2025) A Dataset Curated for the Assessment of G4s in the LncRNAs Dysregulated in Various Human Cancers. *Scientific data*, 12(1), 849.

Ramundo MS, et al. (2025) Transcriptomic insights into early mechanisms underlying post-chikungunya chronic inflammatory joint disease. *Scientific reports*, 15(1), 6745.

Kaurani L, et al. (2025) A role for astrocytic miR-129-5p in frontotemporal dementia. *Translational psychiatry*, 15(1), 142.

Guan J, et al. (2025) Graph-RPI: predicting RNA-protein interactions via graph autoencoder and self-supervised learning strategies. *Briefings in bioinformatics*, 26(3).

Gisa V, et al. (2025) Role of Compensatory miRNA Networks in Cognitive Recovery from Heart Failure. *Non-coding RNA*, 11(3).

Sharma P, et al. (2024) Novel lncRNAs LINC01221, RP11-472G21.2 and CRNDE are markers of differential expression in pediatric patients with T cell acute lymphoblastic leukemia. *Cancer cell international*, 24(1), 65.

Zhang M, et al. (2024) CBIL-VHPLI: a model for predicting viral-host protein-lncRNA interactions based on machine learning and transfer learning. *Scientific reports*, 14(1), 17549.

Zhao S, et al. (2024) Identification of Optic Nerve-Related Biomarkers in Primary Open-Angle Glaucoma Based on Comprehensive Bioinformatics and Mendelian Randomization. *Translational vision science & technology*, 13(8), 21.

Abikar A, et al. (2024) Comparative transcriptome of normal and cancer-associated fibroblasts. *BMC cancer*, 24(1), 1231.

Curci D, et al. (2024) The long non-coding RNA GAS5 contributes to the suppression of inflammatory responses by inhibiting NF- κ B activity. *Frontiers in pharmacology*, 15, 1448136.

Karoi DH, et al. (2024) Whole transcriptome analysis to identify non-coding RNA regulators and hub genes in sperm of non-obstructive azoospermia by microarray, single-cell RNA sequencing, weighted gene co-expression network analysis, and mRNA-miRNA-lncRNA interaction analysis. *BMC genomics*, 25(1), 583.

Li X, et al. (2024) RNA sequencing reveals differential long noncoding RNA expression profiles in bacterial and viral meningitis in children. *BMC medical genomics*, 17(1), 50.

Chattopadhyay P, et al. (2024) RNA editing in host lncRNAs as potential modulator in SARS-CoV-2 variants-host immune response dynamics. *iScience*, 27(6), 109846.

Lin YS, et al. (2024) Overexpression of NUDT16L1 sustains proper function of mitochondria and leads to ferroptosis insensitivity in colorectal cancer. *Redox biology*, 77, 103358.

Tan L, et al. (2024) Predicting lncRNA-protein interactions using a hybrid deep learning model with dinucleotide-codon fusion feature encoding. *BMC genomics*, 25(1), 1253.