

Resource Summary Report

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STRING

RRID:SCR_005223

Type: Tool

Proper Citation

STRING (RRID:SCR_005223)

Resource Information

URL: <http://string.embl.de/>

Proper Citation: STRING (RRID:SCR_005223)

Description: Database of known and predicted protein interactions. The interactions include direct (physical) and indirect (functional) associations and are derived from four sources: Genomic Context, High-throughput experiments, (Conserved) Coexpression, and previous knowledge. STRING quantitatively integrates interaction data from these sources for a large number of organisms, and transfers information between these organisms where applicable. The database currently covers 5"214"234 proteins from 1133 organisms. (2013)

Abbreviations: STRING

Synonyms: Search Tool for the Retrieval of Interacting Genes/Proteins, STRING - Known and Predicted Protein-Protein Interactions

Resource Type: data or information resource, database

Defining Citation: [PMID:23203871](#), [PMID:21045058](#), [PMID:18940858](#), [PMID:17098935](#), [PMID:15608232](#), [PMID:12519996](#)

Keywords: protein association, protein functional association, protein interaction, protein-protein interaction, protein, sequence, protein sequence, interaction, gene, FASEB list

Funding: BMBF ;
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Resource Name: STRING

Resource ID: SCR_005223

Alternate IDs: nif-0000-03503, r3d100010604

Alternate URLs: <https://doi.org/10.17616/R3VS40>

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260919T195649+0000

Ratings and Alerts

No rating or validation information has been found for STRING.

No alerts have been found for STRING.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 32678 mentions in open access literature.

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

He P, et al. (2027) Key molecular networks underlying retinol's biphasic effects on cell proliferation through multi-omics integrative analysis using genome-scale metabolic modeling. Synthetic and systems biotechnology, 15, 43.

Tickman BI, et al. (2026) The response to kidney injury is epigenetically regulated through the activation of bivalent genes. American journal of physiology. Renal physiology, 330(2), F238.

Shi X, et al. (2026) Specific GPCRs elicit unique extracellular vesicle miRNA array signatures. eLife, 14.

Flaherty RL, et al. (2026) LOX Inhibition Disrupts a Collagen-Integrin-MYC Axis to Suppress Progression of Invasive Lobular Carcinoma. Cancer research, 86(10), 2487.

Wang A, et al. (2026) Proteomic Landscape of Sweat Glands in Neuronal Intranuclear Inclusion Disease Reveals a Pathogenic Triad of Abnormal Autophagy, Mitochondrial Dysfunction, and a Failed Oxidative Stress Response. Journal of neurochemistry, 170(1), e70352.

Zhao C, et al. (2026) Progranulin promotes glioma progression via interaction with cathepsin D and serves as a diagnostic and prognostic biomarker. Discover oncology, 17(1), 336.

- Chen L, et al. (2026) Mycobacterial metallophosphatase MmpE acts as a nucleomodulin to regulate host gene expression and promote intracellular survival. *eLife*, 14.
- Wei S, et al. (2026) Risk assessment for hydrophobic disinfectants and antiseptics as contaminants in freshwater using risk quotient and network pharmacology approaches. *iScience*, 29(7), 116339.
- Yang X, et al. (2026) A pharmacological rat model of recurrent pelvic pain exhibiting hyperalgesia and depression-like behaviors. *iScience*, 29(4), 115059.
- Gogoi A, et al. (2026) Proteomics of In Vivo models of ischemic stroke: A systematic review with a systems biological perspective. *Ageing research reviews*, 113, 102937.
- Ali M, et al. (2026) Large-scale CSF and plasma proteomics reveal immune, synaptic, and extracellular matrix disruptions across neurodegenerative diseases. *Neuron*, 114(14), 2549.
- Ma Z, et al. (2026) Elevated PTK6 expression is associated with tumor immune microenvironment remodeling and predicts poor prognosis in endometrial carcinoma. *Frontiers in medicine*, 13, 1842564.
- Leonardi L, et al. (2026) TLR7 induces autophagy in non-small cell lung cancer tumor cells and influences anti-tumors responses in patients. *Translational lung cancer research*, 15(4), 75.
- Loh D, et al. (2026) Multiaxial Biophysical Control of Oncogenic Phase Separation by Indoleamines: A Proof-of-Concept Synthesis of Landscape-Level Regulation. *Journal of pineal research*, 78(4), e70156.
- Nagasse HY, et al. (2026) TDP43 and hnRNP K Regulate Alternative Splicing of DNAJC5. *Cell biology international*, 50(4), e70158.
- Ferreira JV, et al. (2026) LAMP2A regulates endosomal protein composition and membrane identity in exosome biogenesis. *iScience*, 29(1), 114305.
- Yesupatham SK, et al. (2026) Transcriptome profiling suggests molecular sexual dimorphism in lumbosacral dorsal root ganglia and sex-specific mechanisms underlying visceral pain. *Physiological genomics*, 58(1), 12.
- Lara Castillo NA, et al. (2026) Exercise beneficially reshapes fasted rat skeletal muscle involving the combined action of β -hydroxybutyrate and palmitoleic acid. *American journal of physiology. Cell physiology*, 330(4), C1006.
- Cao B, et al. (2026) CGPA: A Multicontext Cancer Gene Prognosis Atlas. *Molecular cancer research : MCR*, 24(3), 188.
- Osman ST, et al. (2026) Repurposing SGLT2 and DPP-4 inhibitors for mild cognitive impairment in type 2 diabetes mellitus: Insights from proteomics, target prediction and molecular docking. *British journal of pharmacology*, 183(10), 2533.