

Resource Summary Report

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Circular RNA Interactome

RRID:SCR_016304

Type: Tool

Proper Citation

Circular RNA Interactome (RRID:SCR_016304)

Resource Information

URL: <https://circinteractome.nia.nih.gov/>

Proper Citation: Circular RNA Interactome (RRID:SCR_016304)

Description: Web tool for exploring circular RNAs and their interacting proteins and microRNAs. Predicts the miRNAs which can potentially target the circRNA.

Abbreviations: Circinteractome

Synonyms: Circular interactome

Resource Type: software resource, web application

Defining Citation: [PMID:26669964](#)

Keywords: exploring, circular, RNA, miRNA, interacting, protein, predict, target, circRNA

Funding: the National Institute on Aging Intramural Research Program of the National Institutes of Health

Availability: Free, Freely available, Available for download

Resource Name: Circular RNA Interactome

Resource ID: SCR_016304

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260804T043642+0000

Ratings and Alerts

No rating or validation information has been found for Circular RNA Interactome.

No alerts have been found for Circular RNA Interactome.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 666 mentions in open access literature.

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

Ma T, et al. (2026) CircAASS alleviates renal injury and fibrosis by regulating mitochondrial homeostasis in tubular epithelial cells. *Autophagy*, 22(1), 182.

He J, et al. (2026) Circular RNA circAHS1 serves as a stable serum biomarker for the diagnosis and progression of gastric cancer. *Translational oncology*, 63, 102620.

Sun YG, et al. (2025) circHIPK2 promotes malignant progression of laryngeal squamous cell carcinoma through the miR-889-3p/MCTS1/IL-6 axis. *Translational oncology*, 56, 102390.

Lin Z, et al. (2025) Circular RNA TFRC/SCD1 mRNA interaction regulates ferroptosis and metastasis in gastric cancer. *Cell death & disease*, 16(1), 436.

Liang ZT, et al. (2025) IL6ST participates in the development of adolescent idiopathic scoliosis by regulating bone marrow mesenchymal stem cells. *Communications biology*, 8(1), 1369.

Shafaghat Z, et al. (2025) Circular RNA, A Molecule with Potential Chemistry and Applications in RNA-based Cancer Therapeutics: An Insight into Recent Advances. *Topics in current chemistry (Cham)*, 383(2), 21.

He Y, et al. (2025) Hsa_circ_0001492 regulates the hsa-miR-145-5p/ovarian carcinoma immunoreactive antigen domain 2 axis to promote the progression of lung adenocarcinoma. *Biomolecules & biomedicine*, 25(4), 940.

Dong C, et al. (2025) Circ_0096710 facilitates tumor growth via controlling ADAM10 expression in esophageal squamous cell carcinoma. *Thoracic cancer*, 16(1), e15483.

Liu H, et al. (2025) Circ_RPPH1 promotes bladder urothelium carcinoma proliferation and EMT by recruiting and binding to EIF4 A3. *Hereditas*, 162(1), 72.

Liu S, et al. (2025) The emerging functions and clinical implications of circRNAs in acute myeloid leukaemia. *Cancer cell international*, 25(1), 167.

Liu R, et al. (2025) circ-0001454 alleviates asthma airway inflammation and remodeling via sponging miR-770-5p and regulating cbl-b. *Frontiers in cell and developmental biology*, 13, 1566223.

Gao Y, et al. (2025) Recent advances in investigation of circRNA/lncRNA-miRNA-mRNA networks through RNA sequencing data analysis. *Briefings in functional genomics*, 24.

Liu G, et al. (2025) circ-0001875 downregulation is associated with M1 macrophage activation and lung inflammation in severe asthma. *Frontiers in immunology*, 16, 1601272.

Yu Z, et al. (2025) circRNA-79530 regulates Twist-mediated mitochondrial damage via sponging miR-214 affecting hypoxia/reoxygenation-induced injury in H9c2 cardiomyocytes. *European journal of histochemistry : EJH*, 69(3).

Lin Z, et al. (2025) Hsa_circ_0005325 Regulates the Proliferation, Apoptosis, Colony Formation, Migration, and Angiogenesis-Promoting Behavior of Oral Squamous Cell Carcinoma Cells Through the miR-433-3p/HMGA2 Axis. *Clinical and experimental dental research*, 11(5), e70208.

Sun Y, et al. (2025) CircPSD3 aggravates tumor progression by maintaining TCA cycle and mitochondrial function via regulating SUCLG2 in thyroid carcinoma. *Cell death & disease*, 16(1), 590.

Zhang A, et al. (2025) Interferon-stimulated circHOMER1 attenuates antiviral innate immunity. *mBio*, 16(8), e0149725.

Sueblinvong V, et al. (2025) Circular RNA ROR γ regulates TGF β 1 in alcohol-induced fibroblast-to-myofibroblast differentiation. *Scientific reports*, 15(1), 32295.

Jiang S, et al. (2025) CircPRMT5, a Potential Salivary Biomarker, Facilitates the Progression of Head and Neck Squamous Cell Carcinoma via the IGF2BP3-SERPINE1 Pathway. *International journal of nanomedicine*, 20, 1597.

Zhang P, et al. (2025) circ_0075048 silencing regulates LCP1 to improve IL-1 β -induced chondrocyte injury by binding with miR-663b. *Journal of orthopaedic surgery and research*, 20(1), 24.