Resource Summary Report

Generated by NIF on Apr 17, 2025

Guide Design Resources

RRID:SCR_018982
Type: Tool

Proper Citation

Guide Design Resources (RRID:SCR_018982)

Resource Information

URL: https://zlab.bio/guide-design-resources

Proper Citation: Guide Design Resources (RRID:SCR_018982)

Description: Laboratory portal about research including new approaches for precision gene editing, delivery of molecular and genetic cargo, discovery of novel programmable systems, and engineering of immune system to develop next generation of therapeutics. Provides collection of tools for guide design.CRISPR.MIT.EDU of Guide Design Tools is no longer available, documented on August 28,2020.

Resource Type: laboratory portal, portal, organization portal, data or information resource

Keywords: Guide desin tools, precision gene editing, immune system engineering, next generation therapeutics, guide design

Funding:

Availability: Free, Freely available

Resource Name: Guide Design Resources

Resource ID: SCR_018982

Record Creation Time: 20220129T080342+0000

Record Last Update: 20250417T065642+0000

Ratings and Alerts

No rating or validation information has been found for Guide Design Resources.

No alerts have been found for Guide Design Resources.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 275 mentions in open access literature.

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

Kong X, et al. (2024) Engineered FSHD mutations results in D4Z4 heterochromatin disruption and feedforward DUX4 network activation. iScience, 27(4), 109357.

Fazel Darbandi S, et al. (2024) Five autism-associated transcriptional regulators target shared loci proximal to brain-expressed genes. Cell reports, 43(6), 114329.

Xie Z, et al. (2024) Vacuolar H+-ATPase determines daughter cell fates through asymmetric segregation of the nucleosome remodeling and deacetylase complex. eLife, 12.

Robichaud JH, et al. (2024) Transiently formed nucleus-to-cilium microtubule arrays mediate senescence initiation in a KIFC3-dependent manner. Nature communications, 15(1), 7977.

Yu W, et al. (2024) Application of CRISPR/Cas9 for Rapid Genome Editing of Pseudorabies Virus and Bovine Herpesvirus-1. Viruses, 16(2).

Chen K, et al. (2024) FBXO31 is upregulated by METTL3 to promote pancreatic cancer progression via regulating SIRT2 ubiquitination and degradation. Cell death & disease, 15(1), 37.

Nieto-Romero V, et al. (2024) Restored glyoxylate metabolism after AGXT gene correction and direct reprogramming of primary hyperoxaluria type 1 fibroblasts. iScience, 27(4), 109530.

Hua X, et al. (2024) A Ctnnb1 enhancer transcriptionally regulates Wnt signaling dosage to balance homeostasis and tumorigenesis of intestinal epithelia. eLife, 13.

Chi X, et al. (2024) A small protein encoded by PCBP1-AS1 is identified as a key regulator of influenza virus replication via enhancing autophagy. PLoS pathogens, 20(8), e1012461.

Xu K, et al. (2024) AlphaFold2-guided engineering of split-GFP technology enables labeling of endogenous tubulins across species while preserving function. PLoS biology, 22(8), e3002615.

Zhang P, et al. (2024) Targeting miR-31 represses tumourigenesis and dedifferentiation of BRAFV600E-associated thyroid carcinoma. Clinical and translational medicine, 14(5), e1694.

Bao G, et al. (2024) HOXA9 promotes proliferation, metastasis and prevents apoptosis in hepatocellular carcinoma. Journal of cancer research and clinical oncology, 150(9), 422.

Chen Y, et al. (2024) Aggresome formation promotes ASK1/JNK signaling activation and stemness maintenance in ovarian cancer. Nature communications, 15(1), 1321.

Gambelli A, et al. (2024) Platinum-induced upregulation of ITGA6 promotes chemoresistance and spreading in ovarian cancer. EMBO molecular medicine, 16(5), 1162.

Zhou S, et al. (2024) PGC-1? repression dysregulates lipid metabolism and induces lipid droplet accumulation in retinal pigment epithelium. Cell death & disease, 15(6), 385.

Nikolaou S, et al. (2024) CYRI-B-mediated macropinocytosis drives metastasis via lysophosphatidic acid receptor uptake. eLife, 13.

Guo J, et al. (2024) Zebrafish Mbd5 binds to RNA m5C and regulates histone deubiquitylation and gene expression in development metabolism and behavior. Nucleic acids research, 52(8), 4257.

Chua R, et al. (2024) Functional and Multi-Omics Effects of an Optimized CRISPR-Mediated FURIN Depletion in U937 Monocytes. Cells, 13(7).

Kong Z, et al. (2024) Pseudorabies virus tegument protein US2 antagonizes antiviral innate immunity by targeting cGAS-STING signaling pathway. Frontiers in immunology, 15, 1403070.

Shi T, et al. (2024) Bivalent activity of super-enhancer RNA LINC02454 controls 3D chromatin structure and regulates glioma sensitivity to temozolomide. Cell death & disease, 15(1), 6.