

Resource Summary Report

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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>

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

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

Availability: Free, Freely available

Resource Name: Guide Design Resources

Resource ID: SCR_018982

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260905T132845+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

Usage and Citation Metrics

We found 353 mentions in open access literature.

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

Xiang Y, et al. (2026) Counteracting FOX proteins epigenetically control the herpesvirus lytic-latent balance. *Nature communications*, 17(1).

Yu F, et al. (2026) Tumor-associated macrophages promote chemoresistance to Paclitaxel via activating NOTCH2-JAG1 juxtacrine signaling. *Molecular cancer*, 25(1).

Chen Q, et al. (2026) ADNP missense variant p.C687R disrupts chromatin regulation and GABAergic differentiation in Helsmoortel-Van der Aa syndrome. *Molecular autism*, 17(1).

Hu P, et al. (2026) CFTR mediates Cl⁻ transport in osteocytes to sustain cell viability and skeletal homeostasis. *Nature communications*, 17(1).

Chen Y, et al. (2026) Development and clinical validation of a multiplex visual POCT platform based on RT-RAA-CRISPR/Cas12a for porcine diarrheal viruses. *Synthetic and systems biotechnology*, 14, 321.

Cao J, et al. (2026) ROS accelerates the progression of hypertrophic cardiomyopathy. *Genes & diseases*, 13(1), 101741.

Atkins GR, et al. (2026) Tex11 Mutant Mouse Models of Human Azoospermia. *bioRxiv* : the preprint server for biology.

Geng R, et al. (2026) Blockage of cuproplasia inhibits pancreatic tumour-associated neutrophils infiltration through TRAF6/STAT3/CCL2 pathway. *British journal of cancer*, 135(1), 17.

Wang B, et al. (2026) Consequences of CRISPR-Cas9-Mediated Stromelysin-1 Knockout in Pancreatic Islet Microvascular Endothelial Cells. *Journal of cellular and molecular medicine*, 30(6), e71098.

Shang H, et al. (2026) MCL1 promotes porcine epidemic diarrhea virus replication by modulating arachidonic acid metabolic pathway. *PLoS pathogens*, 22(4), e1014170.

Wang Y, et al. (2026) Genome-Wide Codon Reprogramming Enables a Multifactorially Attenuated Influenza Vaccine with Broad Cross-Protection. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(9), e16448.

Liu Y, et al. (2026) Functional variants at 1p36.23 confer risk of schizophrenia through modulating RERE. *Nature communications*, 17(1), 1742.

Zhao L, et al. (2026) ZBTB21 Is a Dual Suppressor of Pyroptosis and MHC-I Antigen Presentation That Promotes Tumor Immune Evasion. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(22), e19836.

Liu C, et al. (2025) A self-cascade nanoCRISPR prompts transcellular penetration to potentiate gene editing and tumor killing. *Acta pharmaceutica Sinica. B*, 15(11), 5933.

Ni C, et al. (2025) Allele-Specific Regulation of PAXIP1-AS1 by SMC3/CEBPB at rs112651172 in Psychiatric Disorders Drives Synaptic and Behavioral Dysfunctions in Mice. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(44), e08259.

Zhang L, et al. (2025) Proteomic Analysis of Extracellular Vesicles Identifies CDCP1 as Critical Metastasis-Related Glycoprotein in Lung Cancer. *Journal of extracellular vesicles*, 14(7), e70128.

Duan Z, et al. (2025) Dynamic and intricate regulation by the Csr sRNAs in the Arctic *Pseudoalteromonas fuliginea*. *Communications biology*, 8(1), 369.

Zhang S, et al. (2025) IGF2BP1-HAX-1 positive feedback loop-mediated HAX-1 overexpression blocks autophagic flux and promotes chemoresistance in nasopharyngeal carcinoma. *Cellular and molecular life sciences : CMLS*, 82(1), 105.

Wang YY, et al. (2025) Inhibition of MBTPS1 enhances antitumor immunity and potentiates anti-PD-1 immunotherapy. *Nature communications*, 16(1), 4047.

Xu Z, et al. (2025) Interferon-stimulated gene screening identifies CCND3 as a host restriction factor against emerging high-pathogenic bandaviruses. *Nature communications*, 16(1), 7935.