

# Resource Summary Report

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

## Gecko

RRID:SCR\_009001

Type: Tool

### Proper Citation

Gecko (RRID:SCR\_009001)

### Resource Information

**URL:** <http://geckoe.sourceforge.net/>

**Proper Citation:** Gecko (RRID:SCR\_009001)

**Description:** A complete, high-capacity centralized gene expression analysis system, developed in response to the needs of a distributed user community.

**Abbreviations:** Gecko

**Synonyms:** Gene Expression: Computation and Knowledge Organization, Geckoe

**Resource Type:** software resource

**Defining Citation:** [PMID:15588317](#)

**Resource Name:** Gecko

**Resource ID:** SCR\_009001

**Alternate IDs:** OMICS\_00758

**Record Creation Time:** 20220129T080250+0000

**Record Last Update:** 20260829T182330+0000

### Ratings and Alerts

No rating or validation information has been found for Gecko.

No alerts have been found for Gecko.

### Data and Source Information

## Usage and Citation Metrics

We found 547 mentions in open access literature.

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

Al-Mesitef S, et al. (2026) Context-specific Angiogenin-mediated tRNA fragments (tDRs) biogenesis shapes the mitochondrial stress response. *Redox biology*, 90, 104038.

Li SY, et al. (2026) ABTB1 modulates EGFR signaling and confers icotinib sensitivity in lung adenocarcinoma. *Respiratory research*, 27(1).

Xu F, et al. (2026) Convergent targeting of FUNDC1-dependent mitophagy sensitises and overcomes resistance to EGFR inhibition. *Clinical and translational medicine*, 16(5), e70685.

Moreira Gabriel E, et al. (2026) Pharmacological and genetic modulation of IL-32 expression in intestinal epithelial cells does not impact HIV-1 outgrowth in co-cultured CD4+ T-cells. *Frontiers in immunology*, 17, 1769388.

Lin B, et al. (2026) O-GlcNAcylation of UGDH regulates its activity and remodels the extracellular matrix to facilitate tumor growth. *Cell death and differentiation*, 33(3), 574.

Dogan H, et al. (2026) MDC1 counteracts replication fork reversal and mediates chemosensitivity in BRCA1/2-deficient tumors. *Oncogene*, 45(4), 491.

Kolak A, et al. (2026) miR-940 suppresses ferroptosis by controlling expression of key regulatory genes. *bioRxiv : the preprint server for biology*.

Liang J, et al. (2026) Unveiling DEFB1 as a novel driver and promising therapeutic target in lung adenocarcinoma. *Cell death & disease*, 17(1).

Drepanos LM, et al. (2026) Balancing off-target and on-target considerations for optimized CRISPR-Cas9 knockout library design. *Cell genomics*, 6(5), 101190.

Krey K, et al. (2026) The ISG Atlas: a loss-of-function analysis characterizes antiviral properties of interferon stimulated genes. *Nature communications*, 17(1).

Wang J, et al. (2026) CRISPR Screens Identify PIK3C2A as a Novel Mediator of EGFR Inhibitor Resistance in Head and Neck Squamous Cell Carcinoma. *Head & neck*, 48(2), 486.

Solomon CU, et al. (2026) Integrative functional genomics analysis identifies pleiotropic genes for vascular diseases. *Nature communications*, 17(1).

Zhang Y, et al. (2026) Cytosolic acetyl-coenzyme A is a signalling metabolite to control mitophagy. *Nature*, 649(8098), 1022.

De Biaggi JS, et al. (2026) Enzyme-constrained genome-scale model of *Yarrowia lipolytica* predicts growth-phase specific metabolic engineering targets. *Applied microbiology and biotechnology*, 110(1).

Sun J, et al. (2026) In Vivo CRISPR Screening Identifies the Glutamate Receptor GRIA2 as Promoting Peritoneal Metastasis of Gastric Cancer via Calcium-Dependent  $\beta$ -Catenin Activation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(28), e21746.

Gao X, et al. (2026) CUL5 E3 ubiquitin ligase regulates the evasion of bladder cancer cells to CD8<sup>+</sup> T cell-mediated killing by inhibiting autophagy. *PLoS biology*, 24(2), e3003647.

Mazzei A, et al. (2026) Functional CRISPR-Cas9 knockout screening of the genetic determinants of human fibroblast migration propensity. *Biotechnology progress*, 42(1), e70076.

Chalar R, et al. (2026) Metabolic plasticity of sphingolipids governs cancer cell fitness in acidic tumor ecosystems. *bioRxiv : the preprint server for biology*.

Nguyen QV, et al. (2026) Genome-wide CRISPR screens in primary human natural killer cells identify countermeasures against immunosuppressive environment. *Nature communications*, 17(1).

Lai S, et al. (2026) Proinsulin regulators identified with CRISPR screen and in vivo mouse QTL mapping. *Nature communications*, 17(1).