

Resource Summary Report

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Caenorhabditis Genetics Center

RRID:SCR_007341

Type: Tool

Proper Citation

Caenorhabditis Genetics Center (RRID:SCR_007341)

Resource Information

URL: <https://cgc.umn.edu>

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Description: Center that acquires, maintains, and distributes genetic stocks and information about stocks of the small free-living nematode *Caenorhabditis elegans* for use by investigators initiating or continuing research on this genetic model organism. A searchable strain database, general information about *C. elegans*, and links to key Web sites of use to scientists, including WormBase, WormAtlas, and WormBook are available.

Abbreviations: CGC

Resource Type: biomaterial supply resource, cell repository, material resource, organism supplier

Keywords: non-human animal, caenorhabditis elegans, chromosome, database, model, mutant, nematode, nomenclature, model organism, protein, transgenic, web accessible database, genetic stock, germplasm, genotype, FASEB list

Funding: NIH OD010440

Resource Name: Caenorhabditis Genetics Center

Resource ID: SCR_007341

Alternate IDs: nif-0000-00240

Alternate URLs: <https://orip.nih.gov/comparative-medicine/programs/invertebrate-models>, <http://www.cbs.umn.edu/research/resources/cgc>

Old URLs: <http://biosci.umn.edu/CGC/>, <http://www.cgc.cbs.umn.edu>

Record Creation Time: 20220129T080241+0000

Record Last Update: 20260829T182256+0000

Ratings and Alerts

No rating or validation information has been found for Caenorhabditis Genetics Center.

No alerts have been found for Caenorhabditis Genetics Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3907 mentions in open access literature.

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

Heath OC, et al. (2026) Novel tRNA Synthetase Inhibitors Increase Healthspan, Lifespan, and Autophagic Flux in *C. elegans*. *Biomolecules*, 16(1).

Liontis T, et al. (2026) Mutual regulation of spermatogenesis-specific Argonaute proteins and Insulin/IGF-1 signaling in aging control. *EMBO reports*, 27(6), 1437.

Zhao Q, et al. (2026) Cycloheximide-resistant ribosomes reveal adaptive translation dynamics in *C. elegans*. *Genetics*, 232(1).

Wetzker C, et al. (2026) A fluorescence lifetime separation approach for FLIM live-cell imaging. *Journal of microscopy*, 301(1), 91.

Poliezhaieva T, et al. (2026) Aging-associated decline of phosphatidylcholine synthesis is a malleable trigger of natural mitochondrial aging. *Nature communications*, 17(1).

Giaquinta R, et al. (2026) Synergistic Roles of FAHD-1 and PYC-1 in Mitochondrial Function, Behavior, and Longevity in *C. elegans*. *Advanced biology*, 10(1), e00410.

Han F, et al. (2026) TAG-IN, a swappable strategy for endogenous gene tagging in *Caenorhabditis elegans* using cassette exchange. *bioRxiv : the preprint server for biology*.

Srinivasan J, et al. (2026) A sequence motif for DNA double-strand break and telomere healing during programmed DNA elimination. *bioRxiv : the preprint server for biology*.

Pereirinha J, et al. (2026) SLBP-independent control of maternal histone mRNA. *bioRxiv : the preprint server for biology*.

Wang YH, et al. (2026) Dynamic RNA Polymerase compartments organize the transcription of gene clusters. *bioRxiv : the preprint server for biology*.

Lacour A, et al. (2026) Cytoplasmic TDP-43 leads to early behavioral impairments without neurodegeneration in a serotonergic neuron-specific *C. elegans* model. *Scientific reports*, 16(1), 6068.

Perhacs JM, et al. (2026) IGF-like growth factors that couple food sensing to developmental decisions employ different release mechanisms in a single pair of *C. elegans* chemosensory neurons. *bioRxiv* : the preprint server for biology.

Kim JH, et al. (2026) Regulation of *hlh-2* transcription during specification of the anchor cell of the *C. elegans* hermaphrodite gonad. *G3* (Bethesda, Md.), 16(2).

Becker S, et al. (2026) The SynMuvA *lin-15A* licenses natural transdifferentiation by antagonizing identity safeguarding mechanisms. *bioRxiv* : the preprint server for biology.

Price IF, et al. (2026) LOTUS-domain proteins activate Vasa to drive germ granule assembly. *bioRxiv* : the preprint server for biology.

Rentsch D, et al. (2025) Tools and methods for cell ablation and cell inhibition in *Caenorhabditis elegans*. *Genetics*, 229(1), 1.

Zhao C, et al. (2025) Temperature-dependent lifespan extension is achieved in *miR-80*-deleted *Caenorhabditis elegans* by *NLP-45* to modulate endoplasmic reticulum unfolded protein responses. *Aging cell*, 24(1), e14345.

Li Y, et al. (2025) Genome-wide RNAi screening in *C. elegans* reveals OXPHOS and pyrimidine synthesis pathways as PKA regulators. *Communications biology*, 8(1), 1280.

Marchiafava D, et al. (2025) Fibrillin-Related Proteins Control Calcium Homeostasis in Dystrophic Muscle Across Species. *microPublication biology*, 2025.

Rahman SS, et al. (2025) Methionine cycle in *C. elegans* serotonergic neurons regulates diet-dependent behaviour and longevity through neuron-gut signaling. *Nature communications*, 16(1), 5118.