

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, organism supplier, material resource

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: 20260801T042631+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 3842 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

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.

Belfi AC, et al. (2025) Opposing roles for lipocalins and a CD36 family scavenger receptor in apical extracellular matrix-dependent protection of narrow tube integrity. *bioRxiv : the preprint server for biology*.

Grimme AL, et al. (2025) A lncRNA drives developmentally-timed decay of all members of an essential microRNA family. *bioRxiv : the preprint server for biology*.

Kaper D, et al. (2025) Forward genetics in *C. elegans* reveals genetic adaptations to polyunsaturated fatty acid deficiency. *eLife*, 13.

Fatima R, et al. (2025) Temperate phages increase antibiotic effectiveness in a *Caenorhabditis elegans* infection model. *mBio*, 16(9), e0162125.

McMillen A, et al. (2025) Dopaminergic Modulation of Short-Term Associative Memory in *Caenorhabditis elegans*. *Journal of neurochemistry*, 169(8), e70200.

Mahapatra A, et al. (2025) The kinase GSK-3 alters the RNA-binding protein landscape of lipid metabolism transcripts leading to altered expression in the *C. elegans* nervous system. *Nucleic acids research*, 53(15).

Tan EP, et al. (2025) Autophagy activator AA-20 improves proteostasis and extends *Caenorhabditis elegans* lifespan. *Proceedings of the National Academy of Sciences of the United States of America*, 122(32), e2423455122.

Heestand B, et al. (2025) Piwi mutant germ cells transmit a form of heritable stress that promotes longevity. *Aging cell*, 24(1), e14350.

Bloom J, et al. (2025) Hybrid incompatibility emerges at the one-cell stage in interspecies *Caenorhabditis* embryos. *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.

Stobierska J, et al. (2025) Low-fecundity *dhc-1*; *mel-28* *C. elegans* mutants do not have gonad mitosis defects. *microPublication biology*, 2025.

Pu L, et al. (2025) Shaker/Kv1 potassium channel SHK-1 protects against pathogen infection and oxidative stress in *C. elegans*. *PLoS genetics*, 21(2), e1011554.

Wang Y, et al. (2025) The exocytosis regulator complexin controls spontaneous synaptic vesicle release in a CAPS-dependent manner at *C. elegans* excitatory synapses. *PLoS biology*, 23(2), e3003023.

Patel B, et al. (2025) The conserved ATPase PCH-2 controls the number and distribution of crossovers by antagonizing their formation in *Caenorhabditis elegans*. *eLife*, 13.

Aleogho BM, et al. (2025) Aberrant neuronal hyperactivation causes an age-dependent behavioral decline in *Caenorhabditis elegans*. *Proceedings of the National Academy of Sciences of the United States of America*, 122(1), e2412391122.

Krishna MM, et al. (2025) Epidermal Collagen Reduction Drives Selective Aspects of Aging in Sensory Neurons. *Aging cell*, 24(4), e14459.

Pender CL, et al. (2025) Perception of a pathogenic signature initiates intergenerational protection. *Cell*, 188(3), 594.

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.