

# Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

## WormBook The Online Review of C. Elegans Biology

RRID:SCR\_006692

Type: Tool

### Proper Citation

WormBook The Online Review of C. Elegans Biology (RRID:SCR\_006692)

### Resource Information

**URL:** <http://www.wormbook.org/>

**Proper Citation:** WormBook The Online Review of C. Elegans Biology (RRID:SCR\_006692)

**Description:** WormBook is a comprehensive, open-access collection of original, peer-reviewed chapters covering topics related to the biology of *Caenorhabditis elegans* and other nematodes. Wormbook also contains WormMethods, a collection of protocols for nematode researchers, and the Worm Breeder's Gazette, an informal, non-refereed, biannual newsletter for the interchange of ideas and information related to *C. elegans* and other nematodes. WormBook is the online text companion to WormBase, the *C. elegans* model organism database. WormBook contains original reviews on all aspects of *C. elegans* biology and up-to-date descriptions of technical procedures used to study this animal. WormBook Sections: \*Genetics and genomics \*Molecular biology \*Biochemistry \*Cell biology \*Developmental control \*Post-embryonic development \*Sex determination \*The germ line \*Signal transduction \*Neurobiology and behavior \*Evolution and ecology \*Disease models and drug discovery

**Abbreviations:** WormBook

**Synonyms:** WormBook: The Online Review of C. Elegans Biology

**Resource Type:** book, experimental protocol, narrative resource, data or information resource

**Keywords:** neurotransmitter, behavior, deg/enac channel, neuronal outgrowth, neurogenetics, circuitry, neuronal differentiation, cell death, gap junctions, g protein, chemosensation, mechanosensation, synaptogenesis, news, nematode, genomics, proteomics, FASEB list

**Funding:** Burroughs Wellcome Fund ;  
Genetics Society ;  
Society for Developmental Biology ;

SDB official journal

**Resource Name:** WormBook The Online Review of C. Elegans Biology

**Resource ID:** SCR\_006692

**Alternate IDs:** nif-0000-00376

**Record Creation Time:** 20220129T080237+0000

**Record Last Update:** 20260801T042626+0000

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## Ratings and Alerts

No rating or validation information has been found for WormBook The Online Review of C. Elegans Biology.

No alerts have been found for WormBook The Online Review of C. Elegans Biology.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 173 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Yeom E, et al. (2025) Phosphorylation of an RNA-Binding Protein Rck/Me31b by Hippo Is Essential for Adipose Tissue Aging. Aging cell, 24(6), e70022.

Lessenger AT, et al. (2025) Somatic polyploidy supports biosynthesis and tissue function by increasing transcriptional output. The Journal of cell biology, 224(3).

Harris I, et al. (2025) Evolutionary trade-offs between intergenerational and transgenerational fitness effects. bioRxiv : the preprint server for biology.

Kuratani Y, et al. (2025) Cylindracin, a Fruiting Body-Specific Protein of Cyclocybe cylindracea, Represses the Egg-Laying and Development of Caenorhabditis elegans and Drosophila melanogaster. Toxins, 17(3).

Amato M, et al. (2025) Polo-Like Kinase 1 Phosphorylation Tunes the Functional Viscoelastic Properties of the Centrosome Scaffold. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(45), e11682.

Bhatia P, et al. (2025) Condensate-forming eIF4ET ensures adequate levels of meiotic proteins to support oocyte storage. Life science alliance, 8(8).

Schaan Profes M, et al. (2024) Characterization of the intracellular neurexin interactome by in vivo proximity ligation suggests its involvement in presynaptic actin assembly. PLoS

biology, 22(1), e3002466.

Liu J, et al. (2024) Protocol for survival assay of *Caenorhabditis elegans* to *Pseudomonas aeruginosa* PA14 infection. STAR protocols, 5(2), 103070.

Andric A, et al. (2024) A multi-domain snail metallothionein increases cadmium resistance and fitness in *Caenorhabditis elegans*. Scientific reports, 14(1), 25589.

Rios MU, et al. (2024) Multivalent coiled-coil interactions enable full-scale centrosome assembly and strength. The Journal of cell biology, 223(4).

Wang R, et al. (2024) Protocol for near-infrared optogenetics manipulation of neurons and motor behavior in *C. elegans* using emissive upconversion nanoparticles. STAR protocols, 5(1), 102858.

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Petratou D, et al. (2023) A proton-inhibited DEG/ENaC ion channel maintains neuronal ionstasis and promotes neuronal survival under stress. iScience, 26(7), 107117.

Diomedea L, et al. (2023) A $\tau$ 1-6A2V(D) peptide, effective on A $\tau$  aggregation, inhibits tau misfolding and protects the brain after traumatic brain injury. Molecular psychiatry, 28(6), 2433.

Toulany N, et al. (2023) Uncovering developmental time and tempo using deep learning. Nature methods, 20(12), 2000.

Cai Shi D, et al. (2023) Potential Anti-Alzheimer Properties of Mogrosides in Vitamin B12-Deficient *Caenorhabditis elegans*. Molecules (Basel, Switzerland), 28(4).

Mera $\tau$  ?, et al. (2022) The Rab GTPase activating protein TBC-2 regulates endosomal localization of DAF-16 FOXO and lifespan. PLoS genetics, 18(8), e1010328.

Jeong H, et al. (2022) Structures of the TMC-1 complex illuminate mechanosensory transduction. Nature, 610(7933), 796.

Rodpai R, et al. (2021) Exposure to dexamethasone modifies transcriptomic responses of free-living stages of *Strongyloides stercoralis*. PloS one, 16(6), e0253701.

Howard AC, et al. (2021) Anabolic Function Downstream of TOR Controls Trade-offs Between Longevity and Reproduction at the Level of Specific Tissues in *C. elegans*. Frontiers in aging, 2.