Resource Summary Report

Generated by NIF on Apr 14, 2025

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/

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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: narrative resource, data or information resource, book, experimental protocol

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: 20250412T055118+0000

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.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 167 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

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.

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

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

Vega A, et al. (2024) Worms love Coffee too! Characterizing the neural substrates that

regulate odor-guided responses to coffee. microPublication biology, 2024.

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.

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

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.

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? ?, 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.

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.

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

Giunti S, et al. (2021) Drug discovery: Insights from the invertebrate Caenorhabditis elegans. Pharmacology research & perspectives, 9(2), e00721.

Ehrens A, et al. (2021) Eosinophils and Neutrophils Eliminate Migrating Strongyloides ratti Larvae at the Site of Infection in the Context of Extracellular DNA Trap Formation. Frontiers in immunology, 12, 715766.

Quarato P, et al. (2021) Global Run-On sequencing to measure nascent transcription in C. elegans. STAR protocols, 2(4), 100991.

van der Woude M, et al. (2021) C. elegans survival assays to discern global and transcription-coupled nucleotide excision repair. STAR protocols, 2(2), 100586.

Yu X, et al. (2021) Fatal attraction of Caenorhabditis elegans to predatory fungi through 6-methyl-salicylic acid. Nature communications, 12(1), 5462.

Njom VS, et al. (2021) The effects of plant cysteine proteinases on the nematode cuticle. Parasites & vectors, 14(1), 302.