Resource Summary Report

Generated by dkNET on May 16, 2025

WormAtlas

RRID:SCR_002861
Type: Tool

Proper Citation

WormAtlas (RRID:SCR_002861)

Resource Information

URL: http://www.wormatlas.org/

Proper Citation: WormAtlas (RRID:SCR_002861)

Description: Anatomical atlas about structural anatomy of Caenorhabditis elegans. Provides simple interface allowing user to easily navigate through every anatomical structure of worm. Contains set of images which can be sorted by different characteristics: sex, genotype, age, body portion or tissue type. Includes links to other major worm websites and databases. Application for viewing and downloading thousands of unpublished electron micrographs and associated data. These images have been generated by several labs in the C. elegans community, including the MRC, the Hall lab (Center for C. elegans Anatomy), and the Culotti and Riddle labs.

Synonyms: , WormImage, Worm Image Database

Resource Type: data or information resource, database, atlas

Keywords: electron, ganglion, anatomy, caenorhabditis elegan, c. elegan, cell, development, gfpworm, glossary, lineage, microscopy, morphology, video, nematode, nerve cord, nervous system, neuroanatomy, neuron, phenotype, wiring diagram, worm, image, FASEB list

Funding: NCRR ;
NIH Office of the Director R24 OD010943

Availability: Free, Freely available

Resource Name: WormAtlas

Resource ID: SCR_002861

Alternate IDs: nif-0000-00098, nif-0000-25470, SCR_007295

Alternate URLs: https://orip.nih.gov/comparative-medicine/programs/invertebrate-models

Record Creation Time: 20220129T080215+0000

Record Last Update: 20250516T053647+0000

Ratings and Alerts

No rating or validation information has been found for WormAtlas.

No alerts have been found for WormAtlas.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 156 mentions in open access literature.

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

Lee HJ, et al. (2025) Automated cell annotation in multi-cell images using an improved CRF_ID algorithm. eLife, 12.

Pooranachithra M, et al. (2024) C. elegans epicuticlins define specific compartments in the apical extracellular matrix and function in wound repair. bioRxiv : the preprint server for biology.

Emmons SW, et al. (2024) FUNCTIONS OF C. ELEGANS NEURONS FROM SYNAPTIC CONNECTIVITY. bioRxiv : the preprint server for biology.

Heiman MG, et al. (2024) Dendrite morphogenesis in Caenorhabditis elegans. Genetics, 227(2).

Faerberg DF, et al. (2024) Accelerated hermaphrodite maturation on male pheromones suggests a general principle of coordination between larval behavior and development. Development (Cambridge, England), 151(13).

Xu W, et al. (2024) A lineage-resolved cartography of microRNA promoter activity in C. elegans empowers multidimensional developmental analysis. Nature communications, 15(1), 2783.

Wolfe Z, et al. (2024) Deep Transcriptomics Reveals Cell-Specific Isoforms of Pan-Neuronal Genes. bioRxiv : the preprint server for biology.

Emmons SW, et al. (2024) Comprehensive analysis of the C. elegans connectome reveals novel circuits and functions of previously unstudied neurons. PLoS biology, 22(12), e3002939.

Haque R, et al. (2024) Sex-specific developmental gene expression atlas unveils dimorphic gene networks in C. elegans. Nature communications, 15(1), 4273.

Someya W, et al. (2024) Target control of linear directed networks based on the path cover problem. Scientific reports, 14(1), 16881.

Ohnishi K, et al. (2024) G protein-coupled receptor-based thermosensation determines temperature acclimatization of Caenorhabditis elegans. Nature communications, 15(1), 1660.

Segev A, et al. (2023) Common knowledge processing patterns in networks of different systems. PloS one, 18(10), e0290326.

Yoshiyama KO, et al. (2023) 222 nm far-UVC efficiently introduces nerve damage in Caenorhabditis elegans. PloS one, 18(1), e0281162.

Liska D, et al. (2023) VISTA: Visualizing the Spatial Transcriptome of the C. elegans Nervous System. bioRxiv : the preprint server for biology.

Lanier VJ, et al. (2023) Theory and practice of using cell strainers to sort Caenorhabditis elegans by size. PloS one, 18(2), e0280999.

Faerberg DF, et al. (2023) Periods of environmental sensitivity couple larval behavior and development. bioRxiv : the preprint server for biology.

Lee HJ, et al. (2023) Automated cell annotation in multi-cell images using an improved CRF_ID algorithm. bioRxiv : the preprint server for biology.

Chandra R, et al. (2023) Sleep is required to consolidate odor memory and remodel olfactory synapses. Cell, 186(13), 2911.

Ripoll-Sánchez L, et al. (2023) The neuropeptidergic connectome of C. elegans. Neuron, 111(22), 3570.

Yang W, et al. (2022) Redundant neural circuits regulate olfactory integration. PLoS genetics, 18(1), e1010029.