

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 21, 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 Application for viewing and downloading thousands of unpublished electron micrographs and associated data.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:** database, atlas, data or information resource

**Keywords:** electron, ganglion, anatomy, *caenorhabditis elegans*, *c. elegans*, 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:** 20250421T053339+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 [FDI Lab - SciCrunch.org](#).

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*.

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).

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).

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.