

# Finding function in novel targets: *C. elegans* as a model

Nature Reviews Drug Discovery

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Towards high-throughput characterization of small molecule mechanisms of action. <i>Molecular BioSystems</i> , 2006, 2, 609.	2.9	28
2	Potential and limitations of genetic manipulation in animals. <i>Drug Discovery Today: Technologies</i> , 2006, 3, 173-180.	4.0	18
3	<i>Caenorhabditis elegans</i> : A versatile platform for drug discovery. <i>Biotechnology Journal</i> , 2006, 1, 1405-1418.	3.5	142
4	High-throughput screening of small molecules for bioactivity and target identification in <i>Caenorhabditis elegans</i> . <i>Nature Protocols</i> , 2006, 1, 1906-1914.	12.0	110
5	Delayed development and lifespan extension as features of metabolic lifestyle alteration in <i>C. elegans</i> under dietary restriction. <i>Journal of Experimental Biology</i> , 2006, 209, 4129-4139.	1.7	107
6	Metabotyping of <i>Caenorhabditis elegans</i> reveals latent phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19808-19812.	7.1	107
7	Microfluidic system for on-chip high-throughput whole-animal sorting and screening at subcellular resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13891-13895.	7.1	291
8	The Concept Paper on the Helminth Drug Initiative. Onchocerciasis/lymphatic filariasis and schistosomiasis: opportunities and challenges for the discovery of new drugs/diagnostics. <i>Expert Opinion on Drug Discovery</i> , 2007, 2, S3-S7.	5.0	14
9	Cloning and functional characterization of a folate transporter from the nematode <i>Caenorhabditis elegans</i> . <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C670-C681.	4.6	23
10	Phosphoethanolamine N-methyltransferase (PMT-1) catalyses the first reaction of a new pathway for phosphocholine biosynthesis in <i>Caenorhabditis elegans</i> . <i>Biochemical Journal</i> , 2007, 404, 439-448.	3.7	69
11	Phosphatidylcholine Biosynthesis as a Potential Target for Inhibition of Metabolism in Parasitic Nematodes. <i>Current Enzyme Inhibition</i> , 2007, 3, 133-142.	0.4	9
12	<i>Caenorhabditis elegans</i> as a Model System for Parkinson's Disease. <i>Neurodegenerative Diseases</i> , 2007, 4, 199-217.	1.4	39
13	Similarities Between Angiogenesis and Neural Development: What Small Animal Models Can Tell Us. <i>Current Topics in Developmental Biology</i> , 2007, 80, 1-55.	2.2	54
14	The Ginkgo biloba extract EGb761 reduces stress sensitivity, ROS accumulation and expression of catalase and glutathione S-transferase 4 in <i>Caenorhabditis elegans</i> . <i>Pharmacological Research</i> , 2007, 55, 139-147.	7.1	115
15	Monogenic migraine syndromes highlight novel drug targets. <i>Drug Development Research</i> , 2007, 68, 432-440.	2.9	2
16	Investigations of protective effects of the flavonoids quercetin and rutin on stress resistance in the model organism <i>Caenorhabditis elegans</i> . <i>Toxicology</i> , 2007, 234, 113-123.	4.2	147
17	Universal strategies in research and drug discovery based on protein-fragment complementation assays. <i>Nature Reviews Drug Discovery</i> , 2007, 6, 569-582.	46.4	283
18	Recent progress in the development of RNA interference for plant parasitic nematodes. <i>Molecular Plant Pathology</i> , 2007, 8, 701-711.	4.2	84

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19	Life span and stress resistance of <i>Caenorhabditis elegans</i> are differentially affected by glutathione transferases metabolizing 4-hydroxynon-2-enal. <i>Mechanisms of Ageing and Development</i> , 2007, 128, 196-205.	4.6	76
20	Non-developmentally programmed cell death in <i>Caenorhabditis elegans</i> . <i>Seminars in Cancer Biology</i> , 2007, 17, 122-133.	9.6	22
21	A Computational Model for <i>C. elegans</i> Locomotory Behavior: Application to Multiworm Tracking. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 1786-1797.	4.2	53
22	Effects of the flavonoids kaempferol and fisetin on thermotolerance, oxidative stress and FoxO transcription factor DAF-16 in the model organism <i>Caenorhabditis elegans</i> . <i>Archives of Toxicology</i> , 2007, 81, 849-858.	4.2	157
23	Label-free cell-based assay using localized surface plasmon resonance biosensor. <i>Analytica Chimica Acta</i> , 2008, 614, 182-189.	5.4	70
24	<i>Caenorhabditis Elegans</i> Models of Parkinson's Disease. , 2008, , 347-360.		4
25	<i>C. Elegans</i> Genetic Strategies to Identify Novel Parkinson's Disease-associated Therapeutic Targets and Leads. , 2008, , 361-368.		0
26	Neurovascular signalling defects in neurodegeneration. <i>Nature Reviews Neuroscience</i> , 2008, 9, 169-181.	10.2	316
27	Visualization of protein interactions in living <i>Caenorhabditis elegans</i> using bimolecular fluorescence complementation analysis. <i>Nature Protocols</i> , 2008, 3, 588-596.	12.0	75
28	A <i>C. elegans</i> -based, whole animal, in vivo screen for the identification of antifungal compounds. <i>Nature Protocols</i> , 2008, 3, 1925-1931.	12.0	63
29	Carrier-mediated cellular uptake of pharmaceutical drugs: an exception or the rule?. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 205-220.	46.4	413
30	Beyond induced mutants: using worms to study natural variation in genetic pathways. <i>Trends in Genetics</i> , 2008, 24, 178-185.	6.7	46
31	Integrated Management and Biocontrol of Vegetable and Grain Crops Nematodes. , 2008, , .		21
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33	Use of non-mammalian alternative models for neurotoxicological study. <i>NeuroToxicology</i> , 2008, 29, 546-555.	3.0	154
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35	Tyrosine Phosphoproteomics and Identification of Substrates of Protein Tyrosine Phosphatase dPTP61F in <i>Drosophila</i> S2 Cells by Mass Spectrometry-Based Substrate Trapping Strategy. <i>Journal of Proteome Research</i> , 2008, 7, 1055-1066.	3.7	21
36	Edge Linking Based Method to Detect and Separate Individual <i>C. Elegans</i> Worms in Culture. , 2008, , .		5

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37	Fecundity and lifespan manipulations in <i>Caenorhabditis elegans</i> using exogenous peptides. <i>Nematology</i> , 2008, 10, 103-112.	0.6	9
38	High throughput quantification system for egg populations in <i>caenorhabditis elegans</i> . , 2008, , .		1
39	<i>Caenorhabditis elegans</i> Models of Human Neurodegenerative Diseases. , 2008, , 91-101.		1
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46	Animal Models for Alzheimer's Disease and Frontotemporal Dementia: A Perspective. <i>ASN Neuro</i> , 2009, 1, AN20090042.	2.7	31
47	Evaluation of the therapeutic potential of carbonic anhydrase inhibitors in two animal models of dystrophin deficient muscular dystrophy. <i>Human Molecular Genetics</i> , 2009, 18, 4089-4101.	2.9	23
48	Design and fabrication of cell alignment device based on electrolytically-generated air bubbles, and its practical realization using polystyrene microbeads. <i>Mikrochimica Acta</i> , 2009, 164, 263-268.	5.0	2
49	In vivo target validation using gene invalidation, RNA interference and protein functional knockout models: it is the time to combine. <i>Current Opinion in Pharmacology</i> , 2009, 9, 669-676.	3.5	23
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52	NON-LINEAR OPTICAL IMAGING OF OBESITY-RELATED HEALTH RISKS: REVIEW. <i>Journal of Innovative Optical Health Sciences</i> , 2009, 02, 9-25.	1.0	4
53	<i>C. elegans</i> Genetic Networks Predict Roles for O-GlcNAc Cycling in Key Signaling Pathways. <i>Current Signal Transduction Therapy</i> , 2010, 5, 60-73.	0.5	2
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56	Medium- and high-throughput screening of neurotoxicants using <i>C. elegans</i> . <i>Neurotoxicology and Teratology</i> , 2010, 32, 68-73.	2.4	102
57	A high-throughput method for assessing chemical toxicity using a <i>Caenorhabditis elegans</i> reproduction assay. <i>Toxicology and Applied Pharmacology</i> , 2010, 245, 153-159.	2.8	148
58	Revealing and avoiding bias in semantic similarity scores for protein pairs. <i>BMC Bioinformatics</i> , 2010, 11, 290.	2.6	38
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102	Wide-field Lensless Fluorescent Imaging of Transgenic <i>Caenorhabditis Elegans</i> On a Chip. , 2011, , .		0
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