

Secernentea

[View the current Secernentea InDepth page on BioPortfolio.com](#) (PDF)

(<http://www.bioportfolio.com/indepth/Secernentea.html>) - Regularly Updated.

Secernentea are a class of nematodes characterised by numerous caudal papillae and an excretory system possessing lateral canals. They have no circulatory or respiratory system. Secernentea are a class of nematodes characterised by numerous caudal papillae and an excretory system possessing lateral canals. They have no circulatory or respiratory system. ([From the Wikipedia article Secernentea](#).)

Recent Publications on Secernentea:



- [Identification of genes upregulated by pinewood nematode inoculation in Japanese red pine.](#)
*Pine wilt disease caused by the pinewood nematode (PWN), Bursaphelenchus...*6th June, 2009
Department of Forest Genetic Resources, Korea Forest Research Institute,- *Tree Physiol.* 2009 Mar;29(3):411-21. Epub 2009 Jan 13. ([DOI Direct Link](#))
- [Nematicidal coumarins from *Heracleum candicans* Wall.](#)
*The root extract of *Heracleum candicans* Wall. exhibited antagonistic...*30th August, 2008
Laboratory for Conservation and Utilization of Bio-resource, Yunnan- *Nat Prod Res.* 2008 May 20;22(8):666-71. ([DOI Direct Link](#))
- [Behavioural genetics: worms seek that old beetle smell.](#)
*Some nematodes eavesdrop on pheromonal signals to sniff out their elderly...*30th August, 2008
Department of Biology, University of Toronto Mississauga, Mississauga- *Curr Biol.* 2008 Jun 3;18(11):R480-2. ([DOI Direct Link](#))
- [Wnt signaling induces vulva development in the nematode *Pristionchus pacificus*.](#)
*The *Caenorhabditis elegans* vulva is induced by a member of the epidermal...*24th May, 2008
Department for Evolutionary Biology, Max-Planck Institute for- *Curr Biol.* 2008 Jan 22;18(2):142-6. ([DOI Direct Link](#))
- [Susceptibility and immune response of *Deroceras reticulatum*, *Milax gagates* and *Limax pseudoflavus* exposed to the slug parasitic nematode *Phasmarhabditis hermaphrodita*.](#)
*We exposed three slug species (*Deroceras reticulatum* (Muller), *Milax...*21st February, 2008
Department of Evolutionary Biology, Spemannstrasse 37-39, Tuebingen 72076,- *J Invertebr Pathol.* 2008 Jan;97(1):61-9. Epub 2007 Jul 20. ([DOI Direct Link](#))*
- [A quick tour of nematode diversity and the backbone of nematode phylogeny.](#)
*Contrary to textbook dogma, nematodes are not only highly diverse, but...*3rd January, 2008
Department of Nematology, University of California-Riverside, Riverside,- *WormBook.* 2006 Jan 25:1-8. ([DOI Direct Link](#))
- [An improved molecular phylogeny of the Nematoda with special emphasis on marine taxa.](#)
*Phylogenetic reconstructions of relations within the phylum Nematoda are...*19th October, 2007
School of Ocean and Earth Science, Southampton Oceanography Centre,- *Mol Phylogenet Evol.* 2007 Mar;42(3):622-36. Epub 2006 Sep 23. ([DOI Direct Link](#))

- [Isotopic insight into host-endosymbiont relationships in Liolaemid lizards.](#)
Nitrogen isotopes have been widely used to investigate trophic levels in... 22nd February, 2007
Department of Pediatrics, Center for Pediatric Nutrition Research, P.O.- Oecologia. 2006
Dec;150(3):355-61. Epub 2006 Sep 30. ([DOI Direct Link](#))
- [Phylum-wide analysis of SSU rDNA reveals deep phylogenetic relationships among nematodes and accelerated evolution toward crown Clades.](#)
Inference of evolutionary relationships between nematodes is severely... 12th December, 2006
Laboratory of Nematology, Department of Plant Sciences, Wageningen- Mol Biol Evol. 2006
Sep;23(9):1792-800. Epub 2006 Jun 21. ([DOI Direct Link](#))
- [The complete mitochondrial genome of the entomopathogenic nematode *Steinernema carpocapsae*: insights into nematode mitochondrial DNA evolution and phylogeny.](#)
We determined the complete sequence of the mitochondrial DNA of the... 1st September, 2006
CIRN and Department of Biology, University of the Azores, Ponta Delgada,- J Mol Evol. 2006
Feb;62(2):211-25. Epub 2006 Feb 10. ([DOI Direct Link](#))
- [A new species of *Procamallanus* \(Nematoda: Camallanidae\) from Pacific eels \(*Anguilla* spp.\).](#)
*A new species of parasitic nematode, *Procamallanus* (*Procamallanus*)...* 12th May, 2006
Institute of Parasitology, Academy of Sciences of the Czech Republic,- J Parasitol. 2006
Feb;92(1):130-7.
- [Nematodes as sentinels of heavy metals and organic toxicants in the soil.](#)
Field and laboratory research has repeatedly shown that free-living soil... 1st March, 2006
Justus Liebig University, IFZ - Department of Animal Ecology, H.-Buff-Ring- J Nematol. 2006
Mar;38(1):13-9.
- [Physiological responses to acute temperature increase in European eels *Anguilla anguilla* infected with *Anguillicola crassus*.](#)
*The swimbladder parasite, *Anguillicola crassus* has infected, and spread...* 19th August, 2005
School of Biological and Chemical Sciences, Hatherly Laboratories,- Dis Aquat Organ. 2005 May
20;64(3):223-8.
- [Molecular dissection of the rDNA array and of the 5S rDNA gene in *Meloidogyne artiellia*: phylogenetic and diagnostic implications.](#)
The sequence of a 13.423 nucleotide genomic fragment has been determined... 18th December, 2004
Istituto per la Protezione delle Piante, CNR, Bari, Italy.- Mol Cell Probes. 2004 Jun;18(3):177-83. ([DOI Direct Link](#))

Secernentea Clinical Trials:



- [Evaluation of Antibacterial Soap for Treatment of Lymphedema in a Filariasis-Endemic Area](#)



Secernentea Patents:

- 7371768- [Pyrazol derivatives, pest control agent comprising the same as active ingredient, and process for producing the same](#)
- 7161059- [Human hookworm model and method for maintaining human hookworm in a non-human primate](#)
- 7153815- [Insecticide containing hydrazone derivative as the active ingredient and novel hydrazone derivative](#)
- 6849633- [Pyrazole derivative, production process thereof, and pest control agent containing the same as active ingredient](#)
- 6278039- [C. elegans deletion mutants](#)
- 5476832- [Alkene aldehyde sulfoxylates as nematocides, insecticides and fungicides](#)

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Stafford House, 10 Prince of Wales Road, Dorchester, Dorset, DT1 1PW, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2009 - BioPortfolio Limited.

