

Cecropins

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Recent Publications on Cecropins:

- [Novel expression vector for secretion of cecropin AD in Bacillus subtilis with enhanced antimicrobial activity.](#)
*Cecropin AD, a chimeric antimicrobial peptide obtained from cecropins, is...*6th November, 2009
National Key Laboratory of Animal Nutrition, National Feed Engineering- Antimicrob Agents Chemother. 2009 Sep;53(9):3683-9. Epub 2009 Jun 22. ([DOI Direct Link](#))
- [Use of the gene of antimicrobial peptide cecropin P1 for producing marker-free transgenic plants\]](#)
*The marker-free transgenic tobacco plants carrying a synthetic gene...*29th October, 2009
- Genetika. 2009 Aug;45(8):1061-6.
- [Generation and characterization of the antibacterial activity of a novel hybrid antimicrobial peptide comprising functional domains from different insect cecropins.](#)
*The search for new antimicrobial compounds involves finding novel sources...*2nd October, 2009
Department of Biological Sciences, Simon Fraser University, 8888- Can J Microbiol. 2009 May;55(5):520-8. ([DOI Direct Link](#))
- [A peptidomics study reveals the impressive antimicrobial peptide arsenal of the wax moth Galleria mellonella.](#)
*The complete antimicrobial peptide repertoire of Galleria mellonella was...*30th September, 2009
CSIRO, PO Box 225, Dickson ACT 2602, Australia.- Insect Biochem Mol Biol. 2009 Sep 26. ([DOI Direct Link](#))
- [The role of NF-kappaB factor REL2 in the Aedes aegypti immune response.](#)
*Mosquitoes transmit numerous diseases that continue to be an enormous...*28th August, 2009
Graduate Program in Biochemistry and Molecular Biology, University of- Insect Biochem Mol Biol. 2009 Apr;39(4):303-14. Epub 2009 Feb 7. ([DOI Direct Link](#))
- [Structure and function of a custom anticancer peptide, CB1a.](#)
*Several natural antimicrobial peptides including cecropins, magainins and...*11th August, 2009
Agricultural Biotechnology Research Center, Academia Sinica, Taipei,- Peptides. 2009 May;30(5):839-48. Epub 2009 Feb 13. ([DOI Direct Link](#))
- [CpxRA contributes to Xenorhabdus nematophila virulence through regulation of IrhA and modulation of insect immunity.](#)
*The gammaproteobacterium Xenorhabdus nematophila is a blood pathogen of...*26th June, 2009
Department of Bacteriology, University of Wisconsin-Madison, 53706, USA.- Appl Environ Microbiol. 2009 Jun;75(12):3998-4006. Epub 2009 Apr 17. ([DOI Direct Link](#))
- [In-silico homology modeling of three isoforms of insect defensins from the dengue vector mosquito.](#)

[Aedes aegypti \(Linn., 1762\).](#)

*Dengue is a serious public health problem in tropical and subtropical...*23rd June, 2009

Centre for Research in Medical Entomology, Indian Council of Medical- J Mol Model. 2009

May;15(5):507-14. Epub 2008 Dec 16. ([DOI Direct Link](#))

- [The N-terminal half of the Drosophila Rel/NF-kappaB factor Relish, REL-68, constitutively activates transcription of specific Relish target genes.](#)
*The Rel/NF-kappaB transcription factor Relish is a major regulator of the...*15th April, 2009
Umea Centre for Molecular Pathogenesis, Umea University, Umea, Sweden.- Dev Comp Immunol. 2009 May;33(5):690-6. Epub 2009 Jan 9. ([DOI Direct Link](#))
- [Anionic C-terminal proregion of nematode antimicrobial peptide cecropin P4 precursor inhibits antimicrobial activity of the mature peptide.](#)
*Recently, an anionic proregion was found to be conserved at the C terminus...*12th February, 2009
Division of Insect Sciences, National Institute of Agrobiological- Biosci Biotechnol Biochem. 2008 Dec;72(12):3281-4. Epub 2008 Dec 7.
- [Salivary gland transcriptome analysis during Plasmodium infection in malaria vector Anopheles stephensi.](#)
*BACKGROUND: Understanding the tissue-specific molecular cross-talk...*9th January, 2009
Molecular Biology Unit, National Center for Cell Science, Ganeshkhind,- Int J Infect Dis. 2009 Sep;13(5):636-46. Epub 2009 Jan 6. ([DOI Direct Link](#))
- [Expression of defensin, cecropin, and transferrin in Aedes aegypti \(Diptera: Culicidae\) infected with Wuchereria bancrofti \(Spirurida: Onchocercidae\), and the abnormal development of nematodes in the mosquito.](#)
*The temporal expression of defensin, cecropin and transferrin was assessed...*17th December, 2008
Department of Entomology, Centro de Pesquisas Aggeu Magalhaes/FIOCRUZ, Av.- Exp Parasitol. 2008 Dec;120(4):364-71. Epub 2008 Sep 9. ([DOI Direct Link](#))
- [Antifungal mechanism of antibacterial peptide, ABP-CM4, from Bombyx mori against Aspergillus niger.](#)
*Antibacterial peptide, CM4 (ABP-CM4), a 35 amino acid peptide from Chinese...*15th November, 2008
Jiangsu Province Key Laboratory for Molecular and Medical Biotechnology,- Biotechnol Lett. 2008 Dec;30(12):2157-63. Epub 2008 Aug 12. ([DOI Direct Link](#))
- [Structure and expression analysis of the cecropin-E gene from the silkworm, Bombyx mori.](#)
*Cecropins belong to the antibacterial peptides family and are induced...*22nd October, 2008
Laboratory of Silkworm Science, Kyushu University Graduate School of- Biosci Biotechnol Biochem. 2008 Aug;72(8):1992-8. Epub 2008 Aug 7.
- [In vitro susceptibility of the Streptococcus milleri group to antimicrobial peptides.](#)
*AIM: To determine the susceptibility of strains of the Streptococcus...*6th September, 2008
Department of Oral Microbiology, Leeds Dental Institute, Clarendon Way,- Int Endod J. 2008 Jul;41(7):586-92. Epub 2008 May 12. ([DOI Direct Link](#))

Cecropins Patents:



- 7390787- [Compositions and methods for treating infections using analogues of indolicidin](#)
- 7456013- [Plant centromere compositions](#)
- 7456146- [Lytic peptide prodrugs](#)
- 7456334- [Maize Cr1bio gene promoter and its use to direct root-preferred transgene expression in](#)

[plants](#)

- 7465708- [Branched cationic copolymers and methods for antimicrobial use](#)
- 7465783- [Plant peptide with antimicrobial activity](#)
- 7485461- [Cis-acting regulatory elements from *Tripsacum dactyloides*](#)
- 7485619- [Antimicrobial agent](#)
- 7488792- [Collagen-binding molecules that selectively home to tumor vasculature and methods of using same](#)
- 7494980- [Antimicrobial peptide and methods of use thereof](#)
- 7504381- [Antimicrobial agents](#)
- 7452691- [Device and method for detecting antibiotic inactivating enzymes](#)
- 7442786- [Vascular-preferred promoters](#)
- 7439348- [Inducible deoxyhypusine synthase promoter from maize](#)
- 7390873- [Antimicrobial cationic peptides](#)
- 7393824- [Methods of peptide preparation](#)
- 7393947- [Inducible promoter which regulates the expression of a peroxidase gene from maize](#)
- 7399747- [Peptides carrying substances across the blood brain barrier](#)
- 7407940- [Antimicrobial hexapeptides](#)
- 7411112- [Maize promoter named CRWAQ81](#)
- 7423010- [Nonporous microparticle-prodrug conjugates for treatment of infection](#)
- 7425535- [Therapeutic pore-forming peptides](#)
- 7432419- [Compositions and methods for the treatment of Pierce's disease](#)
- 7439228- [Bioactive peptides](#)
- 7504558- [Soybean root-preferred, nematode-inducible promoter and methods of use](#)
- 7507787- [Effectors of innate immunity](#)
- 7588752- [Antimicrobial peptides](#)
- 7592310- [Induction of antibiotic proteins and peptides by LAIT/sCD14-protein](#)
- 7592320- [Cancer gene therapy based on translational control of a suicide gene](#)
- 7595173- [Low-cost production of peptides](#)
- 7595306- [Method of treating neurodegenerative disease](#)
- 7598341- [Molecules that selectively home to vasculature of premalignant or malignant lesions of the pancreas and other organs](#)
- 7601885- [Transgenic plant comprising a cassava vein mosaic virus promoter and a heterologous nucleic acid sequence](#)
- 7603239- [Methods and systems for generating peptides](#)
- 7605302- [Maize promoter active in silks, stalk nodes, roots and leaf sheaths](#)
- 7615624- [Arabidopsis derived promoters for regulation of plant expression](#)
- 7582744- [Chemically modified oligonucleotides](#)
- 7582604- [Template-fixed peptidomimetics with antibacterial activity](#)
- 7579005- [Process for recombinant expression and purification of antimicrobial peptides using periplasmic targeting signals as precipitable hydrophobic tags](#)
- 7524948- [Expression cassettes for vascular tissue-preferential expression in plants](#)
- 7527792- [Pharmaceutical composition comprising an anti-cancer and at least a peptide](#)
- 7538261- [Maize promoter active in silks, stalk nodes, roots and leaf sheaths](#)
- 7544483- [Method for the production of protamine](#)
- 7544767- [HMGN2 peptides and related molecules that selectively home to tumor blood vessels and tumor cells](#)
- 7550426- [Acetylated therapeutic procytotoxins](#)
- 7550578- [Rice promoters for regulation of plant expression](#)
- 7550647- [Transfected shrimp as production systems for therapeutic proteins](#)
- 7557264- [Gossypium hirsutum tissue-specific promoters and their use](#)
- 7566777- [Genes encoding hormone and lytic peptides](#)
- 7615685- [Methods of producing human or animal food from stably transformed, fertile maize plants](#)

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