

Magainins

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Recent Publications on Magainins:

- [Comparing the structural topology of integral and peripheral membrane proteins utilizing electron paramagnetic resonance spectroscopy.](#)
*The ability of culture-filtrate proteins to induce a cellular immune...*30th August, 2008
Department of Chemistry and Biochemistry, Miami University, Oxford, Ohio- J Am Chem Soc. 2008 Jul 30;130(30):9656-7. Epub 2008 Jul 4. ([DOI Direct Link](#))
- [Methods for assessing the structure and function of cationic antimicrobial peptides.](#)
*Widespread resistance to antibiotics in current clinical use is increasing...*23rd May, 2008
Department of Biomedical Sciences, Ohio University College of Osteopathic- Methods Mol Med. 2008;142:155-73. ([DOI Direct Link](#))
- [Trypanocidal and leishmanicidal activities of different antimicrobial peptides \(AMPs\) isolated from aquatic animals.](#)
*Most of the available animal antimicrobial peptides (AMPs) have been...*4th March, 2008
Laboratorio de Imunologia Aplicada a Aquicultura, Departamento de Biologia- Exp Parasitol. 2008 Feb;118(2):197-202. Epub 2007 Aug 15. ([DOI Direct Link](#))
- [In vitro toxicity towards kiwifruit pollen of the antimicrobial peptides magainins 1 and 2.](#)
*In vitro toxicity of the antimicrobial peptides (AMPs) magainin 1 and 2 to...*25th January, 2008
Dipartimento di Biologia ES, Universita di Bologna, via Irnerio, 42, 40126- Plant Biol (Stuttg). 2007 Nov;9(6):800-6. Epub 2007 Jun 12. ([DOI Direct Link](#))
- [Enhanced membrane pore formation by multimeric/oligomeric antimicrobial peptides.](#)
*The pore-forming antibacterial peptide magainin 2 was made divalent...*24th January, 2008
Department of Chemical Biology and Organic Synthesis, Institute of- Biochemistry. 2007 Nov 20;46(46):13437-42. Epub 2007 Oct 18. ([DOI Direct Link](#))
- [Global phenotype screening and transcript analysis outlines the inhibitory mode\(s\) of action of two amphibian-derived, alpha-helical, cationic peptides on Saccharomyces cerevisiae.](#)
*Dermaseptin S3(1-16) [DsS3(1-16)] and magainin 2 (Mag 2) are two...*16th January, 2008
Centre for Biomolecular Sciences, School of Biology, University of St.- Antimicrob Agents Chemother. 2007 Nov;51(11):3948-59. Epub 2007 Sep 10. ([DOI Direct Link](#))
- [Activity of an antimicrobial peptide mimetic against planktonic and biofilm cultures of oral pathogens.](#)
*Antimicrobial peptides (AMPs) are naturally occurring, broad-spectrum...*16th January, 2008
Department of Oral Biology, UMDNJ-New Jersey Dental School, 185 South- Antimicrob Agents Chemother. 2007 Nov;51(11):4125-32. Epub 2007 Sep 4. ([DOI Direct Link](#))
- [Cationic antimicrobial peptides: from innate immunity study to drug development. Up date!](#)
*OBJECTIVE: Host defense, cationic anti-microbial peptides are recognized...*18th September, 2007

Service de Medecine Interne, Clinique Medicale B, Hopitaux Universitaires- Med Mal Infect. 2007 Apr;37(4):194-9. Epub 2007 Feb 15. ([DOI Direct Link](#))

- [The major surface-metalloprotease of the parasitic protozoan, Leishmania, protects against antimicrobial peptide-induced apoptotic killing.](#)
*Human infection by the vector-borne protozoan Leishmania is responsible...*3rd March, 2007
Division of Infectious Diseases and Center for Microbial Interface- Mol Microbiol. 2006 Dec;62(5):1484-97. Epub 2006 Oct 27. ([DOI Direct Link](#))
- [Anticancer alpha-helical peptides and structure/function relationships underpinning their interactions with tumour cell membranes.](#)
*Cancer is a major cause of premature death and there is an urgent need for...*24th January, 2007
Faculty of Science, Department of Forensic and Investigative Science,- Curr Protein Pept Sci. 2006 Dec;7(6):487-99.
- [Detergent-like actions of linear amphipathic cationic antimicrobial peptides.](#)
*Antimicrobial peptides have raised much interest as pathogens become...*9th December, 2006
Universite Louis Pasteur/CNRS LC3-UMR7177, Institut/Faculte de Chimie, 4,- Biochim Biophys Acta. 2006 Sep;1758(9):1529-39. Epub 2006 Jul 13. ([DOI Direct Link](#))
- [Inhibition of Bacillus anthracis and potential surrogate bacilli growth from spore inocula by nisin and other antimicrobial peptides.](#)
*The ability of nisin, synthetic temporin analogs, magainins, defensins,...*11th November, 2006
Department of Food Science, Cook College, Rutgers- State University of New- J Food Prot. 2006 Oct;69(10):2529-33.
- [Structures of the dimeric and monomeric variants of magainin antimicrobial peptides \(MSI-78 and MSI-594\) in micelles and bilayers, determined by NMR spectroscopy.](#)
*Magainins are antimicrobial peptides that selectively disrupt bacterial...*24th June, 2006
Department of Chemistry, University of Minnesota, Minneapolis, Minnesota- Biochemistry. 2006 May 9;45(18):5793-9. ([DOI Direct Link](#))
- [Evaluation of transgenic 'Chardonnay' \(Vitis vinifera\) containing magainin genes for resistance to crown gall and powdery mildew.](#)
*Magainins, short peptides with broad-spectrum antimicrobial activity in...*14th February, 2006
Department of Horticultural Sciences, New York State Agricultural- Transgenic Res. 2006 Feb;15(1):69-82. ([DOI Direct Link](#))
- [Antimicrobial peptides as microbicidal contraceptives: prophecies for prophylactics--a mini review.](#)
*The global increase in human immunodeficiency virus/acquired immune...*1st September, 2005
Immunology Division, National Institute for Research in Reproductive- Eur J Contracept Reprod Health Care. 2005 Mar;10(1):32-42. ([DOI Direct Link](#))

Magainins Clinical Trials:



- [MSI-78 Topical Cream vs. Oral Ofloxacin in the Treatment of Infected Diabetic Ulcers](#)
Diabetic Foot Ulcers



Magainins Patents:

- 7173102- [Facially amphiphilic polymers as anti-infective agents](#)
- 7227057- [Plant centromere compositions](#)
- 7229809- [Use of modified lysozyme c to prepare medicinal compositions for the treatment of some serious diseases](#)
- 7232800- [Derivatives of magainin and methods of production thereof](#)
- 7232803- [Antimicrobial compounds and formulations](#)
- 7235716- [Plant centromere compositions](#)
- 7252952- [In vivo production of cyclic peptides for inhibiting protein--protein interaction](#)
- 7253146- [Template-fixed peptidomimetics with antimicrobial activity](#)
- 7256283- [Methods and compositions for expression of transgenes in plants](#)
- 7262163- [Short amphipathic peptides with activity against bacteria and intracellular pathogens](#)
- 7267962- [Device and method for detecting antibiotic inactivating enzymes](#)
- 7226782- [Plant centromere compositions](#)
- 7223840- [Antimicrobial peptide](#)
- 7223598- [Methods for isolating novel antimicrobial agents from hypermutable mammalian cells](#)
- 7179902- [Use of regulatory sequences in transgenic plants](#)
- 7183079- [Compositions and methods for enhancing disease resistance in fish](#)
- 7183105- [Eubacterial minicells and their use as vectors for nucleic acid delivery and expression](#)
- 7186887- [Nucleic acids encoding oryza sativa nuclear cap binding protein 80 and methods of use](#)
- 7192921- [Peptides that home to tumor lymphatic vasculature and methods of using same](#)
- 7193128- [Methods for generating or increasing revenues from crops](#)
- 7205130- [Bi-directionally cloned random cDNA expression vector libraries, compositions and methods of use](#)
- 7208571- [In vivo production of cyclic peptides](#)
- 7211713- [Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof](#)
- 7214766- [Peptides with enhanced stability to protease degradation](#)
- 7268155- [Photosensitizer conjugates for pathogen targeting](#)
- 7291480- [Device and method for detecting antibiotic-inactivating enzymes](#)
- 7371720- [Cationic peptides of the phylloseptin family isolated from the skin secretion of Phyllomedusa hypochondrialis](#)
- 7371809- [Pharmacologically active antiviral peptides](#)
- 7375209- [Expression cassettes for seed-preferential expression in plants](#)
- 7378248- [In vivo production of cyclic peptides for inhibiting protein-protein interaction](#)
- 7378572- [Constitutive expression cassettes for regulation of plant expression](#)
- 7384911- [Peptides having antimicrobial properties and compositions containing them, notably for the preservation of foodstuffs](#)
- 7390629- [Tumor-activated prodrug compounds and treatment](#)
- 7390787- [Compositions and methods for treating infections using analogues of indolicidin](#)
- 7390873- [Antimicrobial cationic peptides](#)
- 7393824- [Methods of peptide preparation](#)
- 7368127- [Biomedical devices with peptide containing coatings](#)
- 7348402- [Antimicrobial peptide, its analogs and antimicrobial composition comprising them](#)
- 7345216- [Expression cassettes for meristem-preferential expression in plants](#)

- 7294345- [Otorhinological delivery device](#)
- 7294647- [Kappa agonist compounds and pharmaceutical formulations thereof](#)
- 7297482- [Structurally biased random peptide libraries based on different scaffolds](#)
- 7307062- [Method for treating a mental disorder](#)
- 7309759- [Compositions and methods for treating infections using cationic peptides alone or in combination with antibiotics](#)
- 7311912- [Epithelial tissue targeting agent](#)
- 7326691- [Compositions comprising amphotericin B, methods, and systems](#)
- 7335485- [Device and method for determining antibiotic susceptibility](#)
- 7338962- [Spirocyclic heterocyclic derivatives and methods of their use](#)
- 7342147- [Expression cassettes for root-preferential expression in plants](#)
- 7399823- [Antimicrobial theta defensins and methods of using same](#)

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