

Yersinia

[View the current Yersinia InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Yersinia.html)

(<http://www.bioportfolio.com/indepth/Yersinia.html>)

:Yersinia is also the name of a network tool, see Yersinia [<http://www.yersinia.net/>]'Yersinia is a genus of bacteria in the family Enterobacteriaceae. Yersinia are Gram-negative rod shaped bacteria, a few micrometers long and fractions of a micrometer in diameter, and are facultative anaerobes. Some members of Yersinia are pathogenic in humans. Rodents are the natural reservoirs of Yersinia; less frequently other mammals serve as the host. Infection may occur either through blood or in an alimentary fashion, through occasionally via consumption of food products contaminated with infected urine or feces. Speculations exist as to whether or not certain Yersinia can also be spread via protozoanotic mechanisms, since Yersinia are known to be facultative intracellular parasites; studies and discussions of the possibility of amoeba-vectored Yersinia propagation and proliferation are now in progress.

Recent Publications on Yersinia:



- [Effects of pulsed electric fields on pathogenic microorganisms of major concern in fluid foods: a review.](#)
*Pathogenic microorganisms such as Escherichia coli O157:H7, Salmonella...*30th August, 2008
Department of Food Technology, University of Lleida, Lleida, Spain.- Crit Rev Food Sci Nutr. 2008 Sep;48(8):747-59. ([DOI Direct Link](#))
- [Determination of pyrophosphorylated forms of lipid A in Gram-negative bacteria using a multivaried mass spectrometric approach.](#)
*Lipid A isolated from several bacteria (Escherichia coli, Pseudomonas...*30th August, 2008
Department of Chemistry, University of Washington, Bagley Hall, Box- Proc Natl Acad Sci U S A. 2008 Aug 27. ([DOI Direct Link](#))
- [A comparative biochemical and structural analysis of the intracellular chorismate mutase \(Rv0948c\) from Mycobacterium tuberculosis HR and the secreted chorismate mutase \(y2828\) from Yersinia pestis.](#)
*The Rv0948c gene from Mycobacterium tuberculosis H(37)R(v) encodes a 90...*30th August, 2008
Biochemical Science Division, Chemical Science and Technology Laboratory,- FEBS J. 2008 Aug 21. ([DOI Direct Link](#))
- [Antimicrobial activity of extracts of edible wild and cultivated mushrooms against foodborne bacterial strains.](#)
*The antimicrobial activity of aqueous, methanol, hexane, and ethyl acetate...*30th August, 2008
Department of Food Science and Technology, University of Zaragoza, 177- J Food Prot. 2008 Aug;71(8):1701-6.
- [Lipid A mimetics are potent adjuvants for an intranasal pneumonic plague vaccine.](#)
*An effective intranasal (i.n.) vaccine against pneumonic plague was...*30th August, 2008
Department of Microbiology, Molecular Biology, and Biochemistry,- Vaccine. 2008 Aug 20. ([DOI Direct Link](#))
- [Vibrio cholerae O139 multiple drug resistance mediated by Yersinia pestis pIP1202-like conjugative](#)

[plasmids.](#)

*A conjugative plasmid, pMRV150, was identified in a Vibrio cholerae O139...*20th August, 2008
Microbiology Laboratory, Hangzhou Center for Disease Control and- Antimicrob Agents Chemother.
2008 Aug 18. ([DOI Direct Link](#))

- [The cyclic AMP receptor protein CRP is required for virulence and the minimal CRP regulon in Yersinia pestis biovar microtus.](#)
*The cyclic AMP receptor protein CRP is a bacterial regulator that controls...*20th August, 2008
Institute of Laboratory Animal Sciences, Chinese Academy of Medical Peking- Infect Immun. 2008 Aug 18. ([DOI Direct Link](#))
- [A real-time PCR method for detection of pathogenic Yersinia enterocolitica in Food.](#)
*Current methods for detection of pathogenic Y. enterocolitica in food are...*19th August, 2008
Research and Development Department, National Food Administration,- Appl Environ Microbiol. 2008 Aug 15. ([DOI Direct Link](#))
- [Development of adaptive immunity in rainbow trout, Oncorhynchus mykiss \(Walbaum\) surviving an infection with Yersinia ruckeri.](#)
*Development of adaptive immunity in rainbow trout (Oncorhynchus mykiss)...*19th August, 2008
Department of Veterinary Pathobiology, Section of Fish Diseases, Faculty- Fish Shellfish Immunol.
2008 Jul 23. ([DOI Direct Link](#))
- [Loop-mediated isothermal amplification as an emerging technology for detection of Yersinia ruckeri the causative agent of enteric red mouth disease in fish.](#)
*ABSTRACT: BACKGROUND: Enteric Redmouth (ERM) disease also known as...*14th August, 2008
- BMC Vet Res. 2008 Aug 12;4(1):31. ([DOI Direct Link](#))
- [Prediction of progression to overt hypothyroidism or hyperthyroidism in female relatives of patients with autoimmune thyroid disease using the Thyroid Events Amsterdam \(THEA\) score.](#)
*BACKGROUND: Genetic and environmental factors are involved in the...*13th August, 2008
Department of Endocrinology and Metabolism, Academic Medical Center, Room- Arch Intern Med.
2008 Aug 11;168(15):1657-63. ([DOI Direct Link](#))
- [A Nasal IL-12 DNA Vaccine Co-Expressing Yersinia pestis F1-V Fusion Protein Confers Protection against Pneumonic Plague.](#)
*Previous studies have shown that mucosal application of IL-12 can...*13th August, 2008
Veterinary Molecular Biology, Montana State University, Bozeman, MT 59717;- Infect Immun. 2008 Aug 11. ([DOI Direct Link](#))
- [Evidence of multiple zoonotic agents in a wild rodent community in the eastern sierra nevada.](#)
*This study aimed to describe the occurrence of Yersinia pestis, Rickettsia...*12th August, 2008
Department of Medicine and Epidemiology, School of Veterinary Medicine,- J Wildl Dis. 2008 Jul;44(3):737-42.
- [Prevalence of Yersinia pestis in Rodents and Fleas Associated with Black-tailed Prairie Dogs \(Cynomys ludovicianus\) at Thunder Basin National Grassland, Wyoming.](#)
*Rodents (and their fleas) that are associated with prairie dogs are...*12th August, 2008
Division of Biology, 232 Ackert Hall, Kansas State University, Manhattan,- J Wildl Dis. 2008 Jul;44(3):731-6.
- [Exposure of Small Rodents to Plague during Epizootics in Black-tailed Prairie Dogs.](#)
*Plague, caused by the bacterium Yersinia pestis, causes die-offs of...*12th August, 2008
Department of Biological Science, California State University, Fullerton,- J Wildl Dis. 2008 Jul;44(3):724-30.

BioNews Results for Yersinia

- [Plague - Research on plague reported by scientists at University of California](#)
NewsRX: Aug 30 2008 12:39AM Matching: yersinia

- [New Oral Vaccine May Protect Against Bubonic Plague](#)
Infection Control Today: Aug 28 2008 6:31AM Matching: yersinia
- [New Oral Vaccine May Protect Against Bubonic Plague](#)
Science Daily: Aug 26 2008 8:17AM Matching: yersinia
- [New Oral Vaccine May Protect Against Bubonic Plague](#)
Huliq.com: Aug 26 2008 2:14PM Matching: yersinia
- [New oral vaccine may protect against Bubonic Plague](#)
Checkbiotech: Aug 26 2008 12:24PM Matching: yersinia
- [Magnetic immunoassays: A new paradigm in POCT](#)
Medical Device Link: Aug 20 2008 1:45AM Matching: yersinia
- [Advanced Life Sciences Awarded U.S. Department of Defense Biodefense Contract Valued at up to \\$3.8 Million](#)
KOTA Territory News: Aug 13 2008 3:37PM Matching: yersinia
- [Yersinia - Researchers at University of Miami, Medical Department release new data on yersinia](#)
NewsRX: Aug 5 2008 5:40AM Matching: yersinia
- [Plague - Study data from University of Turin update knowledge of plague](#)
NewsRX: Aug 5 2008 5:40AM Matching: yersinia
- [India-born researcher develops vaccine to combat black plague](#)
NewKerala.com: Aug 1 2008 9:36AM Matching: yersinia
- [India-born researcher develops vaccine to combat black plague](#)
NetIndia123.com: Aug 1 2008 1:22AM Matching: yersinia
- [India-born researcher develops vaccine to combat black plague](#)
AndhraNews.net: Jul 31 2008 9:48AM Matching: yersinia
- [Vaccine To Protect Against Black Plague Bioterror Attack Being Developed](#)
Science Daily: Jul 31 2008 11:16AM Matching: yersinia
- [UCF professor develops vaccine to protect](#)
Checkbiotech: Jul 31 2008 11:00AM Matching: yersinia
- [Oral vaccine combats various versions of the plague](#)
Huliq.com: Jul 31 2008 4:00PM Matching: yersinia

Yersinia Clinical Trials:



- [Treatment and Diagnosis of Plague](#)
Plague Interventions: Drug: gentamicin; Drug: streptomycin

Yersinia Patents:



- 7388077- [Polypeptides having antimicrobial activity and polynucleotides encoding the same](#)

- 7393667- [Stereoselective reduction process for the preparation of pyrrolotriazine compounds](#)
- 7393934- [Human G-protein chemokine receptor \(CCR5\) HDGNR10](#)
- 7394547- [Fiber-optic assay apparatus based on phase-shift interferometry](#)
- 7396536- [Parasitic helminth cuticlin proteins and uses thereof](#)
- 7396822- [Immunogenic minicells and methods of use](#)
- 7396827- [Pharmaceutical compositions and treatment methods](#)
- 7399472- [Vaccines](#)
- 7399474- [Isolation and characterization of the csa operon \(ETEC-CS4 pili\) and methods of using same](#)
- 7399608- [Microbial detection and quantification](#)
- 7399613- [Sialic acid nucleotide sugars](#)
- 7393632- [Use of multiple recombination sites with unique specificity in recombinational cloning](#)
- 7393540- [Mycobacterial antigens expressed during latency](#)
- 7393539- [Mycobacterial antigens expressed under low oxygen tension](#)
- 7390432- [Enhanced formulations for neutralization of chemical, biological and industrial toxants](#)
- 7390619- [Optimization of immunomodulatory properties of genetic vaccines](#)
- 7390623- [Detection and identification of staphylococcus aureus and epidermidis using the 16S-23S rRNA spacer](#)
- 7390637- [Keratinocyte derived interferon](#)
- 7390646- [Bacterial vectors and methods of use thereof](#)
- 7390787- [Compositions and methods for treating infections using analogues of indolicidin](#)
- 7390806- [Antibiotics containing borinic acid complexes and methods of use](#)
- 7390873- [Antimicrobial cationic peptides](#)
- 7390884- [Lymphoid chemokines in the diagnosis, monitoring and treatment of inflammatory disease](#)
- 7393525- [Method for introducing and expressing genes in animal cells, and live invasive bacterial vectors for use in the same](#)
- 7402683- [Cinnamic acid amides](#)
- 7404969- [Lipid nanoparticle based compositions and methods for the delivery of biologically active molecules](#)
- 7411054- [25869, 25934, 26335, 50365, 21117, 38692, 46508, 16816, 16839, 49937, 49931 and 49933 molecules and uses therefor](#)
- 7413537- [Directed evolution of disulfide-bonded micro-proteins](#)
- 7413743- [Active immunization using a siderophore receptor protein](#)
- 7413851- [Nucleophosmin directed diagnostics and therapeutics for multidrug resistant neoplastic disease](#)
- 7413882- [Methods for degrading or converting plant cell wall polysaccharides](#)
- 7416745- [Preventives or remedies for infection, anti-endotoxin agents, vaccine adjuvants and growth promoters](#)
- 7416843- [Post protein hydrolysis removal of a potent ribonuclease inhibitor and the enzymatic capture of DNA](#)
- 7416858- [Pharmaceutical compositions of glycoconjugates](#)
- 7416878- [Immunogenic compositions including rough phenotype Brucella host strains and complementation DNA fragments](#)
- 7416883- [Biological indicator](#)
- 7411051- [Antibodies to HDPPA04 polypeptide](#)
- 7411042- [Tumor associated nucleic acids and uses therefor](#)
- 7410974- [Halogenated Quinazolinylnitrofurans as antibacterial agents](#)
- 7405050- [Small RNAs and bacterial strains involved in quorum sensing](#)
- 7405072- [Acoustic radiation for ejecting and monitoring pathogenic fluids](#)
- 7405198- [Glycopegylated erythropoietin](#)
- 7405235- [Transcription factor modulating compounds and methods of use thereof](#)
- 7405342- [Transgenic mice expressing heterologous complement receptor type 1 \(CR1\) molecules on erythrocytes and uses therefor](#)
- 7407624- [Method for abatement of allergens, pathogens and volatile organic compounds](#)

- 7408049- [Recombinational cloning using nucleic acids having recombination sites](#)
- 7408640- [Fluorescence polarization instruments and methods for detection of exposure to biological materials by fluorescence polarization immunoassay of saliva, oral or bodily fluids](#)
- 7410637- [Transgenic algae for delivering antigens to an animal](#)
- 7410770- [Method for monitoring collagen type II degradation in cartilage](#)
- 7417121- [Human G-protein coupled receptor, HGPRBMY39](#)

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 Wessex Barn, Dorchester Road, Frampton, Dorset, DT2 9NB, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2008 - BioPortfolio Limited.

