

# Campylobacter

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The genus *Campylobacter* are Gram-negative, spiral, microaerophilic bacteria. Motile, with either uni- or bi-polar flagella, the organisms have a somewhat curved, rod-like appearance, and are oxidase-positive. *Campylobacter jejuni* is now recognised as one of the main causes of bacterial foodborne disease in many developed countries. At least a dozen species of *Campylobacter* have been implicated in human disease, with *C. jejuni* and *C. coli* the most common.

## Recent Publications on Campylobacter:



- [Case series study of travelers' diarrhea in U.S. military personnel at Incirlik Air Base, Turkey.](#)  
*Military personnel with travelers' diarrhea (n=202) while deployed to...* 11th October, 2008  
Navy Medical Research Center, Silver Spring, MD; Naval Medical Research- Clin Vaccine Immunol. 2008 Oct 8. ([DOI Direct Link](#))
- [Mechanistic studies on PseB of pseudaminic acid biosynthesis: A UDP-N-acetylglucosamine 5-inverting 4,6-dehydratase.](#)  
*UDP-N-acetylglucosamine 5-inverting 4,6-dehydratase (PseB) is a unique...* 11th October, 2008  
Department of Chemistry, University of British Columbia, Vancouver, BC,- Bioorg Chem. 2008 Oct 7. ([DOI Direct Link](#))
- [Comparison of culture methods and multiplex PCR for the detection of periodontopathogenic bacteria in biofilm associated with severe forms of periodontitis.](#)  
*Conventional culture methods and Multiplex PCR, both of which we have been...* 11th October, 2008  
Oral Microbiology Laboratory, Department of Biomedical Sciences, School of- New Microbiol. 2008 Jul;31(3):383-91.
- [Quantitative risk assessment of human campylobacteriosis related to the consumption of chicken meat in two Italian regions.](#)  
*Campylobacteriosis is the most frequently reported zoonotic disease in...* 10th October, 2008  
Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise "G.- Int J Food Microbiol. 2008 Sep 10. ([DOI Direct Link](#))
- [Livestock production and foodborne diseases from food animals in Thailand.](#)  
*Thailand is a developing nation dependent on agriculture. Due to lack of...* 9th October, 2008  
Faculty of Veterinary Medicine, Chiang Mai University.- J Vet Med Sci. 2008 Sep;70(9):873-9.
- [Comparison of disk diffusion and agar dilution methods for erythromycin, ciprofloxacin and tetracycline susceptibility testing of Campylobacter coli and for tetracycline susceptibility testing of Campylobacter jejuni subsp. jejuni.](#)  
*With disk diffusion, the following zone diameters are respectively...* 8th October, 2008  
Centre hospitalier de l'Universite de Montreal-Hopital Saint-Luc,- Antimicrob Agents Chemother. 2008 Oct 6. ([DOI Direct Link](#))

- [Characterisation of chicken \*Campylobacter jejuni\* isolates using resolution optimised single nucleotide polymorphisms and binary gene markers.](#)  
*The principal objective of this study was to determine if Campylobacter...*7th October, 2008  
Institute of Health and Biomedical Innovation, Queensland University of- Int J Food Microbiol. 2008 Sep 9. ([DOI Direct Link](#))
- [Structure of a sigma\(28\)-Regulated Nonflagellar Virulence Protein from \*Campylobacter jejuni\*.](#)  
*Campylobacter jejuni, a Gram-negative motile bacterium, is a leading cause...*7th October, 2008  
Department of Biology and Biochemistry, University of Houston, Houston, TX- J Mol Biol. 2008 Sep 23. ([DOI Direct Link](#))
- [Risk factors for \*Campylobacter jejuni\* and \*Campylobacter coli\* in young cattle on English and Welsh farms.](#)  
*Campylobacter jejuni and C. coli are the most prevalent causes of...*7th October, 2008  
Centre for Epidemiology and Risk Analysis, Veterinary Laboratories- Prev Vet Med. 2008 Oct 1. ([DOI Direct Link](#))
- [A novel DNA microarray for rapid diagnosis of enteropathogenic bacteria in stool specimens of patients with diarrhea.](#)  
*A microarray technique for the detection and identification of...*7th October, 2008  
National Institute for Communicable Disease Control and Prevention,- J Microbiol Methods. 2008 Sep 14. ([DOI Direct Link](#))
- [Detection of periodontal pathogens in oral mucous membranes of edentulous individuals.](#)  
*Background: The purpose of this study was to investigate the colonization...*7th October, 2008  
\* Department of Dentistry, University of Taubate, Taubate, SP, Brazil,- J Periodontol. 2008 Oct;79(10):1962-5. ([DOI Direct Link](#))
- [Periodontal Bacterial Profiles in Pregnant Women: Response to Treatment and Associations With Birth Outcomes in the Obstetrics and Periodontal Therapy \(OPT\) Study.](#)  
*Background: A recent clinical trial (Obstetrics and Periodontal Therapy...*7th October, 2008  
\* Center for Oral Health Research, University of Kentucky, Lexington, KY,- J Periodontol. 2008 Oct;79(10):1870-1879. ([DOI Direct Link](#))
- [Sensitivity of different \*Campylobacter jejuni\* and \*Escherichia coli\* O157:H7 strains to mild bactericidal treatments.](#)  
*Background: A recent clinical trial (Obstetrics and Periodontal Therapy...*4th October, 2008  
Laboratory of Food Microbiology and Food Preservation, Department of Food- Commun Agric Appl Biol Sci. 2008;73(1):209-12.
- [Proinflammatory and anti-inflammatory cytokine levels parallel histopathological changes in an adult mouse lung model of \*Campylobacter jejuni\* infection.](#)  
*Campylobacter jejuni is a major cause of diarrhea in humans. A mouse lung...*2nd October, 2008  
Department of Microbiology, Faculty of Medicine, Kuwait University,- Clin Vaccine Immunol. 2008 Sep 30. ([DOI Direct Link](#))
- [Extended sequence typing of \*Campylobacter\* spp., United Kingdom.](#)  
*Supplementing Campylobacter spp. multilocus sequence typing with...*2nd October, 2008  
John Radcliffe Hospital, Oxford, UK.- Emerg Infect Dis. 2008 Oct;14(10):1620-2.

## BioNews Results for *Campylobacter*

- [New Suspect Case of Bird Flu Found in S Korea](#)  
*PoultrySite: Oct 6 2008 4:38PM Matching: campylobacter*
- [Animals farmed for meat are the No. 1 source of food poisoning bug, study shows](#)  
*Genetic Engineering News: Sep 26 2008 1:01AM Matching: campylobacter*
- [Estimating Community Incidence of Salmonella, \*Campylobacter\*, and Shiga Toxinproducing Infections, Australia](#)

- Center for Disease Control and Prevention: Sep 25 2008 9:15PM Matching: campylobacter
- [Extended Sequence Typing of Campylobacter spp., United Kingdom](#)
- Center for Disease Control and Prevention: Sep 25 2008 9:14PM Matching: campylobacter
- [To Find Campylobacter jejuni, Look in the Biofilms](#)
- Innovations Report: Sep 4 2008 5:20PM Matching: campylobacter
- [To Find Campylobacter jejuni, Look in Biofilms](#)
- Infection Control Today: Sep 3 2008 4:22PM Matching: campylobacter

## Campylobacter Clinical Trials:



- [Campylobacter Jejuni Challenge Model Development: Dose Ranging Study](#)  
*Campylobacter Infections*

## Campylobacter Patents:



- 7396536- [Parasitic helminth cuticlin proteins and uses thereof](#)
- 7404969- [Lipid nanoparticle based compositions and methods for the delivery of biologically active molecules](#)
- 7405036- [Process for reducing pathogens in a biological sample and removing a sample pellet from a sample tube](#)
- 7405043- [Responsiveness to therapy for liver disorders](#)
- 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](#)
- 7407791- [Production of secreted polypeptides](#)
- 7407942- [3,6-bridged 9,12-oxolides](#)
- 7404963- [Flagellin-based adjuvants and vaccines](#)
- 7402683- [Cinnamic acid amides](#)
- 7402572- [Immunostimulatory nucleic acid molecules](#)
- 7396812- [Method for modulating Nod1 activity, use of a MTP related molecule for modulating Nod1 activity, and therapeutic applications thereof](#)
- 7396822- [Immunogenic minicells and methods of use](#)
- 7396909- [Toxoplasma gondii proteins](#)
- 7399472- [Vaccines](#)
- 7399474- [Isolation and characterization of the csa operon \(ETEC-CS4 pili\) and methods of using same](#)

- 7399589- [Immunological detection of RNA:DNA hybrids on microarrays](#)
- 7399608- [Microbial detection and quantification](#)
- 7399613- [Sialic acid nucleotide sugars](#)
- 7402437- [Method and device for analyzing the intracellular chemical state of living cells by nuclear magnetic resonance](#)
- 7402568- [Bicyclic 9a-azalide derivatives](#)
- 7410974- [Halogenated Quinazolinylnitrofurans as antibacterial agents](#)
- 7410975- [Small molecule toll-like receptor \(TLR\) antagonists](#)
- 7422997- [Method to enhance plant growth with a biological fertilizer composition comprising poultry manure and electromagnetic field treated yeasts](#)
- 7423116- [Pentapeptide compounds and uses related thereto](#)
- 7425635- [Prodrugs and conjugates of thiol- and selenol-containing compounds and methods of use thereof](#)
- 7427397- [Probiotic propionibacterium](#)
- 7427398- [Mammalian animal composition](#)
- 7427475- [Detection of group B streptococcus](#)
- 7427605- [Inhibitors of ribonucleotide reductase subunit 2 and uses thereof](#)
- 7429383- [Parathyroid hormone receptor activation and hematopoietic progenitor cell expansion](#)
- 7429455- [Methods for genotyping hepatitis C virus](#)
- 7429646- [Antibodies to human tumor necrosis factor receptor-like 2](#)
- 7422752- [Mutant forms of EtxB and CtxB and their use as carriers](#)
- 7422740- [Use of lytic toxins and toxin conjugates](#)
- 7420054- [Phenoxazinone derivatives as enzyme substrates and use thereof as indicator in the detection of microorganisms with peptidase activity](#)
- 7411051- [Antibodies to HDPPA04 polypeptide](#)
- 7413851- [Nucleophosmin directed diagnostics and therapeutics for multidrug resistant neoplastic disease](#)
- 7414030- [6-11 Bicyclic erythromycin derivatives](#)
- 7414037- [Hydrazide-containing CFTR inhibitor compounds and uses thereof](#)
- 7416745- [Preventives or remedies for infection, anti-endotoxin agents, vaccine adjuvants and growth promoters](#)
- 7416858- [Pharmaceutical compositions of glycoconjugates](#)
- 7416874- [Recombinant bacterial phytases and uses thereof](#)
- 7417121- [Human G-protein coupled receptor, HGPRBMY39](#)
- 7419787- [Mass spectrometric methods for detecting mutations in a target nucleic acid](#)
- 7419962- [3,6-bicyclolides](#)
- 7432097- [Phytases, nucleic acids encoding them and methods of making and using them](#)

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