

Inflammation

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on the skin, showing the redness and swelling characteristic of inflammation . Black rings of necrotic tissue surround central areas of pus. Inflammation is the complex biological response of vascular tissues to harmful stimuli, such as pathogens, damaged cells, or irritants. It is a protective attempt by the organism to remove the injurious stimuli as well as initiate the healing process for the tissue. Inflammation is not a synonym for infection. Even in cases where inflammation is caused by infection it is incorrect to use the terms as synonyms: infection is caused by an exogenous pathogen, while inflammation is the response of the organism to the pathogen. In the absence of inflammation, wounds and infections would never heal and progressive destruction of the tissue would compromise the survival of the organism. However, inflammation which runs unchecked can also lead to a host of diseases, such as hay fever, atherosclerosis, and rheumatoid arthritis. It is for this reason that inflammation is normally tightly regulated by the body. Inflammation can be classified as either acute or chronic. Acute inflammation is the initial response of the body to harmful stimuli and is achieved by the increased movement of plasma and leukocytes from the blood into the injured tissues. A cascade of biochemical events propagates and matures the inflammatory response, involving the local vascular system, the immune system, and various cells within the injured tissue. Prolonged inflammation, known as chronic inflammation, leads to a progressive shift in the type of cells which are present at the site of inflammation and is characterised by simultaneous destruction and healing of the tissue from the inflammatory process. ([From the Wikipedia article Inflammation](#) .)

Recent Publications on Inflammation:



- [Increased soluble serum markers caspase-cleaved cytokeratin-18, histones, and ST2 indicate apoptotic turnover and chronic immune response in COPD.](#)
Introduction: Chronic obstructive pulmonary disease (COPD) is a worldwide... 21st November, 2009
Department of Surgery, Medical University of Vienna, Vienna, Austria.- J Clin Lab Anal. 2009 Nov 19;23(6):372-379. ([DOI Direct Link](#))
- [CXCL12 rs1801157 polymorphism in patients with breast cancer, hodgkin's lymphoma, and non-hodgkin's lymphoma.](#)
Chemokines and their receptors regulate the trafficking of immune cells... 21st November, 2009
Department of Pathological Sciences, Biological Sciences Center, Londrina- J Clin Lab Anal. 2009 Nov 19;23(6):387-393. ([DOI Direct Link](#))
- [The link between inflammation, synaptic transmission and neurodegeneration in multiple sclerosis.](#)
Multiple sclerosis (MS) has been classically regarded as a disorder of the... 21st November, 2009
[1] Clinica Neurologica, Dipartimento di Neuroscienze, Universita Tor- Cell Death Differ. 2009 Nov 20. ([DOI Direct Link](#))
- [The role of perforin and granzymes in diabetes.](#)
Type 1 diabetes results from autoimmune destruction of pancreatic... 21st November, 2009

- [1] Department of Immunology and Diabetes, St Vincent's Institute, 41- Cell Death Differ. 2009 Nov 20. ([DOI Direct Link](#))
- [The Utility of Physical Activity in the Management of Global Cardiometabolic Risk.](#)
*Major health organizations promote the adoption of a healthy lifestyle,...*21st November, 2009
 School of Kinesiology and Health Studies, Queen's University, Kingston,- Obesity (Silver Spring). 2009 Dec;17(n3s):S3-S14. ([DOI Direct Link](#))
 - [Abdominal Obesity, Insulin Resistance, and the Metabolic Syndrome: Contribution of Physical Activity/Exercise.](#)
*The metabolic syndrome, a constellation of metabolic abnormalities, which...*21st November, 2009
 School of Kinesiology and Health Studies, Queen's University, Kingston,- Obesity (Silver Spring). 2009 Dec;17(n3s):S1-S2. ([DOI Direct Link](#))
 - [Resistance Training with Vascular Occlusion in Inclusion Body Myositis: A Case Study.](#)
*ABSTRACT: Inclusion body myositis (IBM) is a rare idiopathic inflammatory...*21st November, 2009
 1School of Physical Education and Sport, University of Sao Paulo, Sao- Med Sci Sports Exerc. 2009 Nov 13. ([DOI Direct Link](#))
 - [Anticarbohydrate antibodies as markers of inflammatory bowel disease in a Central European cohort.](#)
*BACKGROUND: The study discusses the role of antichitobioside carbohydrate...*21st November, 2009
 Institute of Clinical Biochemistry and Laboratory Diagnostics, General- Eur J Gastroenterol Hepatol. 2009 Nov 18. ([DOI Direct Link](#))
 - [Hyaluronic acid and intestinal inflammation.](#)
*BACKGROUND: The study discusses the role of antichitobioside carbohydrate...*21st November, 2009
 Division of Gastroenterology, Washington University School of Medicine, St- Curr Opin Gastroenterol. 2009 Nov 18. ([DOI Direct Link](#))
 - [Suppressive Effect of an Isoflavone Fraction on Tumor Necrosis Factor-alpha-Induced Interleukin-8 Production in Human Intestinal Epithelial Caco-2 Cells.](#)
*This study demonstrates the effect of soybean components on the tumor...*21st November, 2009
 Department of Applied Biological Chemistry, Graduate School of- J Nutr Sci Vitaminol (Tokyo). 2009;55(5):442-446.
 - [Pituitary and Stalk Lesions \(Infundibulo-hypophysitis\) Associated with Immunoglobulin G4-related Systemic Disease: an Emerging Clinical Entity.](#)
*Inflammatory lesions of the pituitary gland are rarely encountered....*21st November, 2009
 Clinical Research Institute, National Hospital Organization Kyoto Medical- Endocr J. 2009 Nov 19.
 - [Circulating CSF-1 Promotes Monocyte and Macrophage Phenotypes that Enhance Lupus Nephritis.](#)
*Macrophages mediate kidney disease and are prominent in a mouse model...*21st November, 2009
 *Laboratory of Molecular Autoimmune Disease, Renal Division, Brigham and- J Am Soc Nephrol. 2009 Nov 19. ([DOI Direct Link](#))
 - [The Neuropeptide Substance P Mediates Adventitial Mast Cell Activation and Induces Intraplaque Hemorrhage in Advanced Atherosclerosis.](#)
*Rationale: Although we and others have recently shown that mast cells play...*21st November, 2009
 Division of Biopharmaceutics, Leiden/Amsterdam Center for Drug Research,- Circ Res. 2009 Nov 19. ([DOI Direct Link](#))
 - [Vascular Smooth Muscle Cell Apoptosis Induces Interleukin-1-Directed Inflammation. Effects of Hyperlipidemia-Mediated Inhibition of Phagocytosis.](#)
*Rationale: Atherosclerosis is characterized by lipid accumulation in the...*21st November, 2009
 Division of Cardiovascular Medicine, University of Cambridge,- Circ Res. 2009 Nov 19. ([DOI Direct Link](#))
 - [Selective N-acyl ethanolamine-hydrolyzing acid amidase inhibition reveals a key role for endogenous palmitoylethanolamide in inflammation.](#)
*Identifying points of control in inflammation is essential to discovering...*21st November, 2009
 Departments of Pharmacology and Biological Chemistry, University of- Proc Natl Acad Sci U S A. 2009 Nov 19. ([DOI Direct Link](#))

BioNews Results for Inflammation

- [Inflammation: Study findings from Columbia University provide new insights into inflammation](#)
NewsRX: Nov 20 2009 7:15AM Matching: inflammation
- [Inflammation markers and metabolic characteristics of subjects with one-hour plasma glucose levels](#)
MDLinx: Nov 20 2009 4:08PM Matching: inflammation
- [Epithelial Overexpression of SOCS-3 in Transgenic Mice Exacerbates Wound Inflammation in the Presence of Elevated TGF-1](#)
Journal of Investigative Dermatology: Nov 19 2009 10:05AM Matching: inflammation
- [Spironolactone and Chlorthalidone in Uncontrolled Elderly Hypertensive Patients Treated with Calcium Antagonists and Angiotensin II Receptor-Blocker: Effects on Endothelial Function, Inflammation, and Oxidative Stress](#)
MDLinx: Nov 19 2009 11:09PM Matching: inflammation
- [Cells That Control Inflammation In Chronic Disease](#)
Medical News Today: Nov 19 2009 9:49AM Matching: inflammation
- [Low-Grade, Systemic Inflammation in Adolescents: Association With Early-Life Factors, Gender, and Lifestyle](#)
MDLinx: Nov 18 2009 5:20PM Matching: inflammation
- [New data from the PRESTA trial demonstrate the benefit of Enbrel in patients with psoriasis and psoriatic arth](#)
Pharmacy Choice: Nov 18 2009 1:22PM Matching: inflammation
- [Vascular Factors and Markers of Inflammation in Offspring With a Parental History of Late-Onset Alzheimer Disease](#)
MDLinx: Nov 18 2009 9:29AM Matching: inflammation
- [Inflammation Critical In Aortic Dissection: UTMB](#)
Medical News Today: Nov 17 2009 4:52PM Matching: inflammation
- [Medical News: Inflammation Critical In Aortic Dissection: UTMB](#)
BioFind: Nov 17 2009 4:51PM Matching: inflammation
- [Research and Markets: Success Rates in Biotech - Going The Wrong Way](#)
Street Insider: Nov 17 2009 3:18PM Matching: inflammation
- [Largest Gene Study of Childhood IBD Finds 5 New Genes](#)
Individual.com: Nov 17 2009 9:55AM Matching: inflammation
- [Aterovaxs sPLA2 Activity Test Significantly Improves Prediction of Cardiovascular Events in Large Prospective Study](#)
Yahoo! Canada: Nov 17 2009 9:00AM Matching: inflammation
- [Largest Gene Study of Childhood IBD Finds 5 New Genes](#)
PR Newswire: Nov 16 2009 8:41PM Matching: inflammation
- [Largest Gene Study of Childhood IBD Finds 5 New Genes](#)
RBC Dain Rauscher: Nov 16 2009 4:31PM Matching: inflammation

Inflammation Patents:



- 7618632- [Method of treating or ameliorating an immune cell associated pathology using GITR ligand antibodies](#)

- 7618794- [Method for controlling environmental allergens](#)
- 7618816- [Metal-binding therapeutic peptides](#)
- 7618933- [Treatment of follicular lymphomas using inhibitors of the LT pathway](#)
- 7618935- [Chaperonin 10 immunosuppression](#)
- 7618941- [Treating degenerative joint disorders with tribonectins](#)
- 7618944- [Encapsulated amyloid-beta peptides](#)
- 7618945- [Heteroaryl peptidomimetics as thrombin receptor antagonists](#)
- 7618946- [Analgesic compounds, extracts containing same and methods of preparation](#)
- 7618947- [Modulation of HIF-1 beta expression](#)
- 7618949- [Drug-eluting stents coated with P2Y.sub.12 receptor antagonist compound](#)
- 7618791- [Methods of detecting cancer with antibodies to cytokine receptor ZCYTOR19](#)
- 7618790- [Method for NGF assay for in vitro diagnosis of breast cancer and therapeutic use](#)
- 7618633- [Antibodies that bind CD40 and methods of treating cancer and enhancing immune responses](#)
- 7618639- [Synergistic phytoceutical compositions](#)
- 7618641- [Functionally reconstituted viral membranes containing adjuvant](#)
- 7618643- [Growth factor delivery system for the healing of wounds and the prevention of inflammation and disease](#)
- 7618649- [Extended release oral dosage composition](#)
- 7618651- [Pharmaceutical compositions for drug delivery and methods of treating or preventing conditions using same](#)
- 7618655- [Method for the preparation of aqueous solutions of reactive chlorine compounds](#)
- 7618663- [Anti-arthritis herbal composition and method thereof](#)
- 7618785- [Diagnostic and therapeutic methods based on the L1 adhesion molecule for ovarian and endometrial tumors](#)
- 7618788- [Proteome epitope tags and methods of use thereof in protein modification analysis](#)
- 7618957- [Perfluoroalkyl-containing complexes, process for their production as well as their use](#)
- 7618960- [Morpholine type cinnamide compound](#)
- 7618961- [Inhibitors of 11-beta-hydroxy steroid dehydrogenase type 1](#)
- 7618994- [Fluoro substituted cycloalkanoindoles, compositions containing such compounds and methods of treatment](#)
- 7619000- [S-dimethylarsino-thiosuccinic acid S-dimethylarsino-2-thiobenzoic acid S-\(dimethylarsino\) glutathione as treatments for cancer](#)
- 7619001- [Utilization of dialkylfumarates](#)
- 7619004- [Methods for concomitant administration of colchicine and macrolide antibiotics](#)
- 7619008- [Xylitol for treatment of vaginal infections](#)
- 7619009- [Systems and methods for controlling and forming polymer gels](#)
- 7619062- [PRO214 polypeptides](#)
- 7619071- [Antibodies that bind interleukin-17 receptor homologue](#)
- 7619092- [Piperidine compounds](#)
- 7620147- [Orthovoltage radiotherapy](#)
- 7618993- [Compounds](#)
- 7618987- [Acylated piperidine derivatives as melanocortin 4-receptor agonists](#)
- 7618970- [3-aminocyclopentanecarboxamides as modulators of chemokine receptors](#)
- 7618971- [Mitotic kinesin inhibitors](#)
- 7618972- [Substituted triazole derivatives as oxytocin antagonists](#)
- 7618975- [4-arylamino-quinazolines and analogs as activators of caspases and inducers of apoptosis and the use thereof](#)
- 7618977- [Method of treating dermatitis comprising administering a chymase inhibitor](#)
- 7618979- [Pyridopyrrolizine and pyridoindolizine derivatives](#)
- 7618980- [Pyrrolo\(oxo\)quinolines as 5HT ligands](#)
- 7618981- [Imidazopyridinyl-benzamide anti-cancer agents](#)
- 7618983- [Bicyclic triazole .alpha.4 integrin inhibitors](#)
- 7618984- [Sulfonamide compound](#)

- 7620560- [Computer-implemented method for grouping medical claims with clinically representative dynamic clean periods](#)

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