

Immunology

[View the current Immunology InDepth page on BioPortfolio.com](#) (PDF)

(<http://www.bioportfolio.com/indepth/Immunology.html>) - Regularly Updated.

Immunology is a broad branch of biomedical science that covers the study of all aspects of the immune system in all organisms. It deals with, among other things, the physiological functioning of the immune system in states of both health and disease; malfunctions of the immune system in immunological disorders ; the physical, chemical and physiological characteristics of the components of the immune system in vitro, in situ, and in vivo. Immunology has various applications in several disciplines of science, and as such is further divided. ([From the Wikipedia article Immunology](#).)

Recent Publications on Immunology:



- [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](#))
- [Validation of a published case definition for tuberculosis-associated immune reconstitution inflammatory syndrome.](#)
*OBJECTIVE:: To evaluate the International Network for the Study of...*21st November, 2009
aDivision of Immunology, Infection and Inflammatory Disease, King's- AIDS. 2009 Nov 18. ([DOI Direct Link](#))
- [Amyloid- \$\beta\$ 42 signals tau hyperphosphorylation and compromises neuronal viability by disrupting alkylacylglycerophosphocholine metabolism.](#)
*Perturbation of lipid second messenger networks is associated with the...*21st November, 2009
Neural Regeneration Laboratory and Ottawa Institute of Systems Biology,- Proc Natl Acad Sci U S A. 2009 Nov 19. ([DOI Direct Link](#))
- [Regulation of hematopoiesis by the K63-specific ubiquitin-conjugating enzyme Ubc13.](#)
*The ubiquitin-conjugating enzyme Ubc13 mediates lysine-63-specific protein...*21st November, 2009
Department of Immunology, University of Texas MD Anderson Cancer Center,- Proc Natl Acad Sci U S A. 2009 Nov 19. ([DOI Direct Link](#))
- [Atg9a controls dsDNA-driven dynamic translocation of STING and the innate immune response.](#)
*Microbial nucleic acids are critical for the induction of innate immune...*21st November, 2009
Laboratory of Host Defense, WPI Immunology Frontier Research Center, Osaka- Proc Natl Acad Sci U S A. 2009 Nov 19. ([DOI Direct Link](#))
- [Thoracic Manifestations of Primary Humoral Immunodeficiency: A Comprehensive Review.](#)
*Humoral immunodeficiencies, which are characterized by defective...*21st November, 2009
Departments of Radiology, Clinical Immunology, and Chest Diseases,- Radiographics. 2009 November-December;29(7):1909-1920. ([DOI Direct Link](#))
- [Comment on: Clinical utility of ANA measured by ELISA compared with ANA measured by](#)

[immunofluorescence: reply.](#)

Humoral immunodeficiencies, which are characterized by defective... 21st November, 2009

Department of Clinical Biochemistry and Immunology, Department of- Rheumatology (Oxford). 2009 Nov 19. ([DOI Direct Link](#))

- [Non-codingRNA Sequence Variations in Human Chronic Lymphocytic Leukemia and Colorectal Cancer.](#)

Cancer is a genetic disease in which the interplay between alterations in... 21st November, 2009

Department of Molecular Virology, Immunology and Medical Genetics, The- Carcinogenesis. 2009 Nov 19. ([DOI Direct Link](#))

- [Loss of Carbamoyl Phosphate Synthetase I in Small-Intestinal Adenocarcinoma.](#)

Carbamoyl phosphate synthetase I (CPS1), normally found in hepatocytes and... 21st November, 2009

Dept of Pathology, Immunology, and Laboratory Medicine, University of- Am J Clin Pathol. 2009 Dec;132(6):877-882. ([DOI Direct Link](#))

- [The induction of the lupus phenotype by estrogen is via an estrogen receptor-alpha-dependent pathway.](#)

In order to investigate the roles of ER subtypes in the estrogen-induced... 21st November, 2009

Department of Microbiology & Immunology, Cornell University, Ithaca, NY- Clin Immunol. 2009 Nov 16. ([DOI Direct Link](#))

- [Insights into the genetic basis and immunopathogenesis of systemic lupus erythematosus from the study of mouse models.](#)

Systemic lupus erythematosus (SLE) is a multisystem autoimmune disease... 21st November, 2009

Department of Immunology, University of Toronto, Toronto, ON, Canada;- Semin Immunol. 2009 Nov 16. ([DOI Direct Link](#))

- [Tubular Toxicity in Sirolimus- and Cyclosporine-Based Transplant Immunosuppression Strategies: An Ancillary Study From a Randomized Controlled Trial.](#)

BACKGROUND: Sirolimus has been promoted as an agent to provide... 21st November, 2009

Clinic for Transplantation Immunology and Nephrology, University Hospital,- Am J Kidney Dis. 2009 Nov 16. ([DOI Direct Link](#))

- [Eosinophils and allergic airway disease: there is more to the story.](#)

The eosinophil has been perceived as a terminal effector cell in allergic... 21st November, 2009

Center for Molecular Immunology & Infectious Disease and Department of- Trends Immunol. 2009 Nov 17. ([DOI Direct Link](#))

- [After the Gwas rush: Nuggets of insight into the pathogenesis of autoimmune disease.](#)

The eosinophil has been perceived as a terminal effector cell in allergic... 21st November, 2009

Hospital for Sick Children, Programme in Genetics and Genome Biology;- Semin Immunol. 2009 Nov 17. ([DOI Direct Link](#))

- [The role of microglia in central nervous system immunity and glioma immunology.](#)

The central nervous system (CNS) historically has been considered an... 21st November, 2009

Department of Neurological Surgery, University of California at San- J Clin Neurosci. 2009 Nov 17. ([DOI Direct Link](#))

BioNews Results for Immunology

- [Human Immunology Registry ' A Research Milestone](#)

Genetic Engineering News: Nov 21 2009 8:51AM Matching: immunology

- [Andalusian scientists study plant compounds to unmask latent HIV virus](#)

Bionity.com: Nov 21 2009 5:27AM Matching: immunology

- [Medical News: Sweet! Sugared Polymer A New Weapon Against Allergies And Asthma](#)

BioFind: Nov 21 2009 3:31AM Matching: immunology

- [Human Immunology Registry A Research Milestone](#)

Freshnews.com: Nov 21 2009 12:42AM Matching: immunology

- [Diagnosis and management of cognitive disorders during successful HIV treatment](#)
National AIDS Treatment Advocacy Project: Nov 21 2009 12:24AM Matching: immunology
- [Human Immunology Registry ' A Research Milestone](#)
Genetic Engineering News: Nov 20 2009 10:25PM Matching: immunology
- [Human Immunology Registry A Research Milestone](#)
Yahoo! Canada: Nov 20 2009 10:51PM Matching: immunology
- [Sweet! Sugared Polymer A New Weapon Against Allergies And Asthma](#)
Medical News Today: Nov 20 2009 10:40PM Matching: immunology
- [Sweet! Sugared Polymer a New Weapon Against Allergies and Asthma-11/19/09](#)
Johns Hopkins Medicine: Nov 20 2009 9:36PM Matching: immunology
- [FDA Panel Finds Tiotropium Safe for COPD Patients](#)
MedPage Today: Nov 20 2009 8:31PM Matching: immunology
- [Doctors Say Low Pay for Diabetes Care Shortchanges Patients](#)
MedPage Today: Nov 20 2009 4:01PM Matching: immunology
- [Medical News: WaferGen To Introduce New Service For Gene-Expression Profiling Using The SmartChip\(TM\) Real-Time PCR System](#)
BioFind: Nov 20 2009 1:48PM Matching: immunology
- [Comprehensive imaging of gastroesophageal biopsy samples by spectrally encoded confocal microscopy](#)
MDLinx: Nov 20 2009 12:39PM Matching: immunology
- [What is the Lifetime Risk of Physician Diagnosed Asthma in Ontario, Canada](#)
MDLinx: Nov 20 2009 12:29PM Matching: immunology
- [Impact of Antifungal Prophylaxis on Colonization and Azole Susceptibility of Candida Species](#)
MDLinx: Nov 20 2009 12:09PM Matching: immunology

Immunology Patents:



- 7618642- [Expression cassettes encoding modified human immunodeficiency virus type 1 subtype C envelope glycoproteins](#)
- 7618816- [Metal-binding therapeutic peptides](#)
- 7618817- [Genetically modified human natural killer cell lines](#)
- 7618818- [Method for detecting leptin receptor ligands](#)
- 7618933- [Treatment of follicular lymphomas using inhibitors of the LT pathway](#)
- 7618935- [Chaperonin 10 immunosuppression](#)
- 7618936- [Methods for treating and diagnosing cancer with WNT inhibitory Factor-1 \(WIF-1\)](#)
- 7618937- [Peptidomimetic polymers for antifouling surfaces](#)
- 7618940- [Fat regulation](#)
- 7618961- [Inhibitors of 11-beta-hydroxy steroid dehydrogenase type 1](#)
- 7618963- [Bicyclic heteroaromatic compounds](#)
- 7618797- [Infectious cDNA clone of North American porcine reproductive and respiratory syndrome \(PRRS\) virus and uses thereof](#)
- 7618793- [Identifying agents for decreasing cellular toxicity associated with huntingin polypeptide](#)
- 7618655- [Method for the preparation of aqueous solutions of reactive chlorine compounds](#)
- 7618669- [Low-lactose partially hydrolyzed infant formula](#)

- 7618775- [Expanding the eukaryotic genetic code](#)
- 7618783- [Anthrax specific antibodies](#)
- 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](#)
- 7618789- [Use of semenogelin in the diagnosis, prognosis and treatment of cancer](#)
- 7618790- [Method for NGF assay for in vitro diagnosis of breast cancer and therapeutic use](#)
- 7618791- [Methods of detecting cancer with antibodies to cytokine receptor ZCYTOR19](#)
- 7618792- [Multiplexed detection of anti-red cell alloantibodies](#)
- 7618968- [Aryl triazines as LPAAT-beta. inhibitors and uses thereof](#)
- 7618970- [3-aminocyclopentanecarboxamides as modulators of chemokine receptors](#)
- 7619067- [Evolved interferon-alpha polypeptides](#)
- 7619068- [Ovr110 antibody compositions and methods of use](#)
- 7619069- [Antibodies to TGF-beta 1](#)
- 7619070- [Humanized antibodies to interferon alpha receptor-1 \(IFNAR-1\)](#)
- 7619071- [Antibodies that bind interleukin-17 receptor homologue](#)
- 7619078- [Nucleic acid molecules encoding B7-1](#)
- 7619079- [Db, the receptor for leptin, nucleic acids encoding the receptor, and uses thereof](#)
- 7619133- [Polynucleotides and methods for making plants resistant to fungal pathogens](#)
- 7619137- [Transcription factor stress-related proteins and methods of use in plants](#)
- 7619138- [Precise breeding](#)
- 7619066- [IL-1ra variants](#)
- 7619065- [Cystine-knot fold protein](#)
- 7618977- [Method of treating dermatitis comprising administering a chymase inhibitor](#)
- 7618983- [Bicyclic triazole .alpha.4 integrin inhibitors](#)
- 7618993- [Compounds](#)
- 7619000- [S-dimethylarsino-thiosuccinic acid S-dimethylarsino-2-thiobenzoic acid S-\(dimethylarsino\) glutathione as treatments for cancer](#)
- 7619001- [Utilization of dialkylfumarates](#)
- 7619057- [MHC class II restricted T cell epitopes from the cancer antigen, NY ESO-1](#)
- 7619058- [Epitope/peptide recognized by HLA-A2402-restricted Ep-CAM-specific CTL and use of the same](#)
- 7619059- [Bimolecular optical probes](#)
- 7619061- [Antigen constructs useful in the detection and differentiation of antibodies to HIV](#)
- 7619063- [Chimeric immunogens](#)
- 7619290- [Nanosensors](#)

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 Stafford House, 10 Prince of Wales Road, Dorchester, Dorset, DT1 1PW, UK. No.3312883 VAT No. GB 744 6483 10
Copyright 1997-2009 - BioPortfolio Limited.

