

Cell Hypoxia

[View the current Cell Hypoxia InDepth page on BioPortfolio.com \(PDF\)](#)
(http://www.bioportfolio.com/indepth/Cell_Hypoxia.html) - Regularly Updated.



Recent Publications on Cell Hypoxia:

- [Propofol inhibits aquaporin 4 expression through a protein kinase C-dependent pathway in an astrocyte model of cerebral ischemia/reoxygenation.](#)
*BACKGROUND: Aquaporin 4 (AQP4) plays a key role in maintaining water...*6th November, 2009
Department of Anesthesiology, The First Affiliated Hospital, School of- Anesth Analg. 2009 Nov;109(5):1493-9. ([DOI Direct Link](#))
- [Hypoxia-inducible factor-1, a new possible important factor in neoplasia.](#)
*Hypoxia-inducible factor-1 (HIF-1) is one of the major factors responsible...*5th November, 2009
Chair and Department of Clinical Pathomorphology, Collegium Medicum in- Pol J Pathol. 2009 Aug;60(2):61-6.
- [STIM2 regulates capacitive Ca²⁺ entry in neurons and plays a key role in hypoxic neuronal cell death.](#)
*Excessive cytosolic calcium ion (Ca²⁺) accumulation during cerebral...*5th November, 2009
Rudolf Virchow Center, DFG Research Center for Experimental Biomedicine,- Sci Signal. 2009 Oct 20;2(93):ra67. ([DOI Direct Link](#))
- [Oxidative DNA modifications in hypoxic signaling.](#)
*Hypoxia, a fundamental biological stimulus, uses reactive oxygen species...*3rd November, 2009
Department of Pharmacology, College of Medicine, University of South- Ann N Y Acad Sci. 2009 Oct;1177:140-50. ([DOI Direct Link](#))
- [Regulation of oxygen sensitivity in adrenal chromaffin cells.](#)
*Adrenomedullary chromaffin cells (AMC) possess a direct hypoxia-sensing...*3rd November, 2009
Department of Biology, McMaster University, Hamilton, Ontario, Canada.- Ann N Y Acad Sci. 2009 Oct;1177:132-9. ([DOI Direct Link](#))
- [Oxygen-sensitive potassium channels in chemoreceptor cell physiology: making a virtue of necessity.](#)
*The characterization of the molecular mechanisms involved in low-oxygen...*3rd November, 2009
Departamento de Bioquímica, e Instituto de Biología y Genética Molecular- Ann N Y Acad Sci. 2009 Oct;1177:82-8. ([DOI Direct Link](#))
- [Regulation of vascularization by hypoxia-inducible factor 1.](#)
*Vascularization and vascular remodeling represent critical adaptive...*3rd November, 2009
Vascular Program, Institute for Cell Engineering; McKusick-Nathans- Ann N Y Acad Sci. 2009 Oct;1177:2-8. ([DOI Direct Link](#))
- [Introduction to hypoxia and consequences: from molecule to malady.](#)
*Vascularization and vascular remodeling represent critical adaptive...*3rd November, 2009
University of Leeds, Leeds, United Kingdom.- Ann N Y Acad Sci. 2009 Oct;1177:1. ([DOI Direct Link](#))
- [Role for CaMKII inhibition in rheumatoid arthritis: effects on HIF-1-induced VEGF production by](#)

[rheumatoid synovial fibroblasts.](#)

*BACKGROUND AND AIMS: The present study was designed to investigate the...*30th October, 2009
Department of Rheumatology and Clinical Immunology, University Medical- Ann N Y Acad Sci. 2009
Sep;1173:706-11. ([DOI Direct Link](#))

- [Contribution of HIF-1 and drug penetrance to oxaliplatin resistance in hypoxic colorectal cancer cells.](#)
*BACKGROUND: Hypoxia is as an indicator of poor treatment outcome...*29th October, 2009
Paterson Institute for Cancer Research, University of Manchester,- Br J Cancer. 2009 Oct
20;101(8):1290-7. Epub 2009 Sep 15. ([DOI Direct Link](#))
- [Glucose regulation of islet stress responses and beta-cell failure in type 2 diabetes.](#)
*Pancreatic beta-cells exposed to high glucose concentrations display...*13th October, 2009
Universite catholique de Louvain, Brussels, Belgium.- Diabetes Obes Metab. 2009 Nov;11 Suppl
4:65-81. ([DOI Direct Link](#))
- [Hypoxia-inducible mir-210 regulates normoxic gene expression involved in tumor initiation.](#)
*Previous studies have suggested that the HIF transcription factors can...*9th October, 2009
Department of Radiation Oncology, Stanford University School of Medicine,- Mol Cell. 2009 Sep
24;35(6):856-67. ([DOI Direct Link](#))
- [mir-210: a sensor for hypoxic stress during tumorigenesis.](#)
*In this issue of Molecular Cell, Huang et al. (2009) demonstrate that...*9th October, 2009
Howard Hughes Medical Institute, University of Pennsylvania, Philadelphia,- Mol Cell. 2009 Sep
24;35(6):737-8. ([DOI Direct Link](#))
- [Hypoxia, angiogenesis and cancer therapy: to breathe or not to breathe?](#)
*As an expanding tumor conquers space within the host, it calls out for an...*23rd September, 2009
Institute for Cancer Research and Treatment (IRCC), Department of- Cell Cycle. 2009 Oct
15;8(20):3291-6. Epub 2009 Oct 5.

BioNews Results for Cell Hypoxia

- [Hypoxia promotes expansion of the CD133-positive glioma stem cells through activation of HIF-1](#)
Oncogene Journal: Nov 13 2009 1:11AM Matching: cell hypoxia
- [Reactivating HIF prolyl hydroxylases under hypoxia results in metabolic catastrophe and cell death](#)
Oncogene Journal: Nov 13 2009 1:11AM Matching: cell hypoxia
- [Threshold Pharmaceuticals Announces Clinical Development Results](#)
GlobeNewswire via MSN Money: Nov 12 2009 9:22PM Matching: cell hypoxia
- [1930s Drug Slows Tumor Growth](#)
Pharmaceutical Online: Nov 10 2009 9:11AM Matching: cell hypoxia
- [Drug That Treated Gonorrhea In 1930s Can Battle Cancer](#)
MedIndia: Nov 10 2009 12:28PM Matching: cell hypoxia
- [Cancer - Research by Z. Zhang and colleagues in cancer provides new insights](#)
NewsRX: Nov 9 2009 6:37AM Matching: cell hypoxia
- [1930s Drug Slows Tumor Growth](#)
Ascribe: Nov 9 2009 9:57PM Matching: cell hypoxia
- [Profiling translomes of discrete cell populations resolves altered cellular priorities during hypoxia in Ara](#)
Bioscience Technology Online: Nov 8 2009 3:38AM Matching: cell hypoxia
- [1930S Drug Slows Tumor Growth](#)
MediLexicon: Nov 8 2009 2:57AM Matching: cell hypoxia
- [1930S Drug Slows Tumor Growth](#)
Medical News Today: Nov 7 2009 11:52AM Matching: cell hypoxia
- [Gonorrhea medication may help fight cancer](#)
News-Medical.Net: Nov 7 2009 4:44AM Matching: cell hypoxia

- [1930s Drug Slows Tumor Growth: Gonorrhea Medication Might Help Fight Cancer](#)
Science Daily: Nov 7 2009 1:52AM Matching: cell hypoxia
- [1930s gonorrhea drug could fight cancer](#)
DNA India: Nov 7 2009 12:25PM Matching: cell hypoxia
- [1930s gonorrhea drug could fight cancer](#)
FreshNews.in: Nov 7 2009 7:59AM Matching: cell hypoxia
- [1930s gonorrhea drug could fight cancer](#)
Sify: Nov 7 2009 8:43AM Matching: cell hypoxia

Cell Hypoxia Patents:



- 7608698- [Hypoxia inducible factors and uses thereof for inducing angiogenesis and improving muscular functions](#)
- 6596705- [Inhibition of L-selectin and P-selection mediated binding using heparin](#)
- 6562616- [Methods and devices for cell culturing and organ assist systems](#)
- 6524619- [Dosage forms useful for modifying conditions and functions associated with hearing loss and/or tinnitus](#)
- 6326165- [Recombinant BHLH-PAS/JHR polypeptide and its use to screen potential insecticides](#)
- 6255495- [Pharmaceutical compounds comprising polyamines substituted with electron-affinic groups and method of application thereof](#)
- 6240925- [Photothermal vascular targeting with bioreductive agents](#)
- 6060604- [Pharmaceutical compounds comprising polyamines substituted with electron-affinic groups](#)
- 6057453- [Pharmaceutical compounds comprising polyamines substituted with electron-affinic groups](#)
- 5855570- [Oxygen producing bandage](#)
- 5773306- [Methods and kits for the detection of endotoxin](#)
- 5733871- [Methods for the treatment of neuronal damage associated with ischemia, hypoxia or neurodegeneration](#)
- 5700825- [Radiosensitizing diamines and their pharmaceutical preparations](#)
- 5674693- [Derivatives of 2-nitro-imidazoles as hypoxic cell markers](#)
- 5578022- [Oxygen producing bandage and method](#)
- 6787365- [Inhibition of L-selectin and P-selectin mediated binding using heparin](#)
- 6821751- [Hypoxia responsive transcription enhancer element from yeast](#)
- 7585939- [Chromatin peptides blocking human HIF-1.alpha. gene and modulating the downstream related genes](#)
- 7557085- [Metabolic-based methods for modulating gene expression](#)
- 7432051- [Erythropoietin and erythropoietin receptor expression in human cancer](#)
- 7361346- [Therapeutic compositions that produce an immune response](#)
- 7354578- [Method of tumor regression with VEGF inhibitors](#)
- 7318921- [Therapeutic compositions that alter the immune response](#)
- 7285414- [Viruses targeted to hypoxic cells and tissues](#)
- 7244769- [Methods for treating an impairment in memory consolidation](#)
- 7107997- [Method and apparatus for increasing angiogenic, growth factor in heart muscle](#)
- 7060723- [Treating neurological disorders using selective antagonists of persistent sodium current](#)
- 6986881- [Identification of compounds that modify transcriptional responses to hypoxia](#)

- 6908742- [Methods and kits for the detection of endotoxin](#)
- 6900049- [Adenovirus vectors containing cell status-specific response elements and methods of use thereof](#)
- 6887661- [Recombinant bHLH-PAS/JHR polypeptide and its use to screen potential insecticides](#)
- 5336616- [Method for processing and preserving collagen-based tissues for transplantation](#)

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.

