

Anoxia

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The term anoxia means "without oxygen", an extreme form of hypoxia or "low oxygen". Anoxia and hypoxia may occur in various contexts:* Anoxic sea water* Dead zone or hypoxic zones* Hypoxia * Hypoxia ([From the Wikipedia article Anoxia](#) .)



Recent Publications on Anoxia:

- [Mutational analysis of hypoxia-related genes HIF1alpha and CUL2 in common human cancers.](#)
*Hypoxia is a general feature of solid cancer tissues. Hypoxia upregulates...*5th February, 2010
Department of Pathology, College of Medicine, The Catholic University of- APMIS. 2009 Dec;117(12):880-5. ([DOI Direct Link](#))
- [Stachydrine, a major constituent of the chinese herb leonurus heterophyllus sweet, ameliorates human umbilical vein endothelial cells injury induced by anoxia-reoxygenation.](#)
*Stachydrine is a major constituent of Chinese herb leonurus heterophyllus...*4th February, 2010
Division of Hematology, The Second Hospital Affiliated to Medical College- Am J Chin Med. 2010;38(1):157-71.
- [Vertebrate cell death in energy-limited conditions and how to avoid it: what we might learn from mammalian hibernators and other stress-tolerant vertebrates.](#)
*Dormancy in vertebrates may expose cells to acidosis, hypoxia/anoxia,...*4th February, 2010
School of Life Sciences, University of Nevada, Las Vegas, NV, 89154, USA,- Apoptosis. 2010 Feb 2. ([DOI Direct Link](#))
- [Significance of myoglobin as an O2 store and O2 transporter in the intermittently perfused human heart - a model study.](#)
*AIMS: The mechanisms by which the left-ventricular wall escapes anoxia...*4th February, 2010
Zentrum Physiologie - 4220 -, Medizinische Hochschule Hannover, 30625- Cardiovasc Res. 2010 Feb 2. ([DOI Direct Link](#))
- [Neonatal asphyxia under hyperthermic conditions alters HPA axis function in juvenile rats.](#)
*Neonatal anoxia is an example of early-life threatening experience that...*4th February, 2010
Department of Animal Physiology, Institute of General and Molecular- Neurosci Lett. 2010 Jan 29. ([DOI Direct Link](#))
- [Nitrous oxide production kinetics during nitrate reduction in river sediments.](#)
*A significant amount of nitrogen entering river basins is denitrified in...*2nd February, 2010
UMR Sisyphe 7619, Universite P. et M. Curie - Paris 6, BP 105, Tour 56-55,- Water Res. 2009 Dec 5. ([DOI Direct Link](#))
- [HRE1 and HRE2, two hypoxia-inducible Ethylene Response Factors, affect anaerobic responses in Arabidopsis thaliana.](#)
*SUMMARY Plants often experience challenging hypoxic conditions imposed by...*2nd February, 2010

Plant Lab, Scuola Superiore Sant'Anna, Piazza Martiri della Liberta 33,- Plant J. 2010 Jan 22. ([DOI Direct Link](#))

- [Mechanisms and Specific Directionality of Autotrophic Nitrous Oxide and Nitric Oxide Generation during Transient Anoxia.](#)
*The overall goal of this study was to determine the molecular and...*29th January, 2010
Department of Earth and Environmental Engineering, Columbia University,- Environ Sci Technol. 2010 Jan 27. ([DOI Direct Link](#))
- [A calendar savant with episodic memory impairments.](#)
*Patients with memory disorders have severely restricted learning and...*28th January, 2010
Department of Psychology, Temple University, Philadelphia, PA, USA.- Neurocase. 2010 Jan 25:1-11. ([DOI Direct Link](#))
- [Cross-kingdom comparison of transcriptomic adjustments to low oxygen stress highlights conserved and plant-specific responses.](#)
*High-throughput technology has facilitated genome-scale analyses of...*26th January, 2010
Center for Plant Cell Biology, Department of Botany and Plant Sciences,- Plant Physiol. 2010 Jan 22. ([DOI Direct Link](#))
- [Cytochrome c is rapidly reduced in the cytosol after mitochondrial outer membrane permeabilization.](#)
*Visible spectroscopy was used to measure real-time changes in the...*23rd January, 2010
Department of Radiology, Dartmouth Medical School, HB7886 Vail, Hanover,- Apoptosis. 2010 Jan 22. ([DOI Direct Link](#))
- [The heat-inducible transcription factor HsfA2 enhances anoxia tolerance in Arabidopsis thaliana.](#)
*Anoxia induces several heat shock proteins and a mild heat pre-treatment...*22nd January, 2010
Plant Lab, Scuola Superiore Sant'Anna, Piazza Martiri della Liberta 33,- Plant Physiol. 2010 Jan 20. ([DOI Direct Link](#))
- [Effects of cadmium exposure and intermittent anoxia on nitric oxide metabolism in eastern oysters, Crassostrea virginica.](#)
*Nitric oxide (NO) is an intracellular signaling molecule synthesized by a...*21st January, 2010
Biology Department, University of North Carolina at Charlotte, 9201- J Exp Biol. 2010 Feb;213(Pt 3):433-44. ([DOI Direct Link](#))
- [Regulation of Kv2.1 phosphorylation in an animal model of anoxia.](#)
*Conditions such as hypoxia and anoxia inflict serious damage to the brain...*19th January, 2010
Department of Pharmacology, Keio University School of Medicine, 35- Neurobiol Dis. 2010 Jan 15. ([DOI Direct Link](#))
- [Task2 potassium channels set central respiratory CO2 and O2 sensitivity.](#)
*Task2 K(+) channel expression in the central nervous system is...*1st June, 1988
Department of Neurovegetative Physiology, Centre National de la Recherche- Proc Natl Acad Sci U S A. 2010 Feb 2;107(5):2325-30. Epub 2010 Jan 19. ([DOI Direct Link](#))

Anoxia Clinical Trials:



- [Hyperbaric Oxygen Therapy in Chronic Stable Brain Injury](#)



Anoxia Patents:

- 7598282- [Neuroprotective agents](#)
- 7613343- [Nosologic system of diagnosis](#)
- 7615208- [Metal ion-labeled bis-aminoethanethiol-targeting ligand conjugates, compositions, and methods for tissue-specific disease imaging](#)
- 7615572- [Pyrrole and pyrazole DAAO inhibitors](#)
- 7618621- [Mammalian multipotent neural stem cells and compositions, methods of preparation and methods of administration thereof](#)
- 7618816- [Metal-binding therapeutic peptides](#)
- 7618954- [Inositol pyrophosphates, and methods of use thereof](#)
- 7619096- [3-Aminopyrrolidines as inhibitors of monoamine uptake](#)
- 7619146- [Method for modifying plant morphology, biochemistry and physiology](#)
- 7622451- [Novobiocin analogues as neuroprotective agents and in the treatment of autoimmune disorders](#)
- 7622477- [Isomers and 42-epimers of rapamycin alkyl ether analogs, methods of making and using the same](#)
- 7612177- [Protein for use in modifying abiotic stress tolerance in yeast](#)
- 7612074- [Diazabicyclic aryl derivatives as cholinergy ligands](#)
- 7612056- [Substituted diaza-spiro-\[4.5\]-decane derivatives and their use as neurokinin antagonists](#)
- 7598286- [\[\(1H-indazol-3-yl\)methyl\]phenols and \(hydroxyphenyl\)\(1H-indazol-3-yl\)methanones](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)
- 7598355- [Characterization of GRP94-ligand interactions and purification, screening, and therapeutic methods relating thereto](#)
- 7604797- [Compositions and methods for treating burns](#)
- 7605130- [Albumin-based colloid composition and method of use in treating hypovolemia and multiorgan dysfunction](#)
- 7605171- [\(3,4-disubstituted\)propanoic carboxylates as S1P \(Edg\) receptor agonists](#)
- 7608403- [Method for cancer detection, progression analysis and malign tumour prognosis based on the study of metabolic markers of the cell](#)
- 7608704- [Secreted proteins](#)
- 7611858- [Detection of cannabinoid receptor biomarkers and uses thereof](#)
- 7611893- [Metal-binding therapeutic peptides](#)
- 7626015- [Therapeutic uses of inhibitors of RTP801L](#)
- 7629332- [Nitrophenyl mustard and nitrophenylaziridine alcohols and their corresponding phosphates and their use as targeted cytotoxic agents](#)
- 7645462- [Acupoint patch](#)
- 7645584- [Biomarkers of liver injury](#)
- 7645739- [Modified annexin compositions and methods of using same](#)
- 7648970- [Inositol pyrophosphates, and methods of use thereof](#)
- 7649004- [Pyridine derivatives](#)
- 7649005- [Substituted benzylaminoalkylene heterocycles](#)
- 7651845- [Method and apparatus for glucose control and insulin dosing for diabetics](#)
- 7652006- [Substituted 1\(2H\)-phthalazinones and pharmaceutical compositions thereof](#)
- 7652010- [Azabicyclic aryl derivatives and their medical use](#)
- 7654728- [System and method for therapeutic application of dissolved oxygen](#)

- 7645385- [Method and arrangement for processing nitrogen-concentrated effluents in a sequential fractionated cycle biological reactor](#)
- 7645284- [Doppler directed suturing and compression device and method](#)
- 7641915- [Lipid nanoparticle based compositions and methods for the delivery of biologically active molecules](#)
- 7629375- [Cytoprotective compounds, pharmaceutical and cosmetic formulations, and methods](#)
- 7632484- [Ethylenedicysteine \(EC\)-drug conjugates, compositions and methods for tissue specific disease imaging](#)
- 7635467- [Mammalian multipotent stem cells and compositions, methods of preparation and methods of administration thereof](#)
- 7635676- [Modified annexin proteins and methods for their use in organ transplantation](#)
- 7635678- [Modified annexin compositions and methods of using same](#)
- 7635680- [Attenuation of reperfusion injury](#)
- 7635696- [Isoxazoline-indole derivatives with an improved antipsychotic and anxiolytic activity](#)
- 7635701- [Pyrimidine derivatives and their use as CB2 modulators](#)
- 7635758- [Antibodies directed to G-protein coupled receptor HGPRBMY29sv1](#)
- 7638321- [Method and device for measuring multiple physiological properties of cells](#)
- 7655619- [Insulin-associated peptides with effects on cerebral health](#)

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