

Xenobiotics

[View the current Xenobiotics InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Xenobiotics.html)

(<http://www.bioportfolio.com/indepth/Xenobiotics.html>)



Recent Publications on Xenobiotics:

- [Complementary cooperation between two syntrophic bacteria in pesticide degradation.](#)
*Interactions between microbial species, including competition and...*29th November, 2008
Department of Environment and Energy System, Graduate School of Science- J Theor Biol. 2008 Nov 11. ([DOI Direct Link](#))
- [The Biochemistry of Drug Metabolism - An Introduction: part 4. Reactions of Conjugation and Their Enzymes.](#)
*This review continues a general presentation of the metabolism of drugs...*28th November, 2008
Department of Pharmacy, University Hospital Centre (CHUV), Rue du Bugnon,- Chem Biodivers. 2008 Nov 26;5(11):2171-2336. ([DOI Direct Link](#))
- [Non-enzymatic antioxidant status and modulation of lipid peroxidation in the muscles of Labeo rohita by sub lethal exposure of CuSO\(4\).](#)
*Xenobiotics-mediated environmental stress is an important determining...*27th November, 2008
Department of Biotechnology, North Orissa University, Takatpur,- Vet Res Commun. 2008 Nov 26. ([DOI Direct Link](#))
- [Maternal transfer of xenobiotics and effects on larval striped bass in the San Francisco Estuary.](#)
*Aquatic ecosystems around the world face serious threats from...*27th November, 2008
John Muir Institute of the Environment, Center for Watershed Sciences,- Proc Natl Acad Sci U S A. 2008 Nov 24. ([DOI Direct Link](#))
- [Chlorophenols induce lipid peroxidation and change antioxidant parameters in the leaves of wheat \(Triticum aestivum L.\).](#)
*In this work, changes in superoxide dismutase (SOD), catalase (CAT) and...*26th November, 2008
Department of Environmental Pollution Biophysics, Banacha 12/16 St.,- J Plant Physiol. 2008 Nov 21. ([DOI Direct Link](#))
- [Polymorphisms of detoxification and DNA repair enzymes in myelodysplastic syndromes.](#)
*The genetic background may modify the individual's risk of developing...*26th November, 2008
Istituto di Ematologia, Universita Cattolica del Sacro Cuore, L. go A.- Leuk Res. 2008 Nov 21. ([DOI Direct Link](#))
- [The SDR \(short-chain dehydrogenase/reductase and related enzymes\) nomenclature initiative.](#)
*Short-chain dehydrogenases/reductases (SDR) constitute one of the largest...*26th November, 2008
IFM Bioinformatics, Linkoping University, S-58183 Linkoping, Sweden;- Chem Biol Interact. 2008 Nov 5. ([DOI Direct Link](#))
- [Protective antioxidant effect of Centella asiatica bioflavonoids on lead acetate induced neurotoxicity.](#)
*Lead (Pb) is a neurotoxic heavy metal and children in the developmental...*26th November, 2008

Department of Human Biology, International Medical University, Kuala- Med J Malaysia. 2008 Jul;63 Suppl A:102.

- [\[Glutathione transferases--structure and functions. beta-lyase-dependent bioactivation of cysteine S-conjugates\]](#)
*Glutathione transferases (GSTs) catalyze nucleophilic attack of...*26th November, 2008
Jagiellonian University, Medical College, Faculty of Medicine, 7 Kopernika- Postepy Biochem. 2007;53(4):374-88.
- [Drug metabolizing enzyme expression in rat choroid plexus: effects of in vivo xenobiotics treatment.](#)
*The presence of drug metabolizing enzymes in extrahepatic tissues such as...*22nd November, 2008
Department of Biochemistry, Faculty of Pharmacy, "Carol Davila" University- Arch Toxicol. 2008 Nov 21. ([DOI Direct Link](#))
- [Gene Variants Associated With Ischemic Stroke. The Cardiovascular Health Study.](#)
*BACKGROUND AND PURPOSE: The purpose of this study was to determine whether...*22nd November, 2008
From Celera, Alameda, Calif; the Department of Biostatistics, School of- Stroke. 2008 Nov 20. ([DOI Direct Link](#))
- [Relationship between drug/metabolite exposure and impairment of excretory transport function.](#)
*The quantitative impact of excretory transport modulation on the systemic...*22nd November, 2008
Eli Lilly and Company.- Drug Metab Dispos. 2008 Nov 20. ([DOI Direct Link](#))
- [Effects of dexamethasone, administered for growth promoting purposes, upon the hepatic cytochrome P450 3A expression in the veal calf.](#)
*Dexamethasone (DEX) exerts its known anti-inflammatory and...*22nd November, 2008
Dipartimento di Patologia Animale, sezione di Farmacologia e Tossicologia,- Biochem Pharmacol. 2008 Oct 31. ([DOI Direct Link](#))
- [Sulphonamide-based bombesin prodrug analogues for glutathione transferase, useful in targeted cancer chemotherapy.](#)
*Glutathione transferases (GSTs) are enzymes involved in cellular...*21st November, 2008
Laboratory of Enzyme Technology, Department of Agricultural Biotechnology,- Eur J Med Chem. 2008 Oct 17. ([DOI Direct Link](#))
- [PXR: a xenobiotic receptor of diverse function implicated in pharmacogenetics.](#)
*The pregnane X receptor (PXR; NR1I2), a member of the nuclear receptor...*21st November, 2008
Center for Pharmacogenetics, University of Pittsburgh, Pittsburgh, PA- Pharmacogenomics. 2008 Nov;9(11):1695-709. ([DOI Direct Link](#))

Xenobiotics Clinical Trials:



- [Cryptorchidism: Impact of in Utero Exposure to Xenobiotics With Hormonal Action](#)
Cryptorchidism Intervention: Procedure: blood test



Xenobiotics Patents:

- 7357913- [Methods for detecting, prognosing, or monitoring a disorder by comparing relative flux rates of two or more biological molecules in vivo](#)
- 7384757- [Scintillation proximity assay method of measuring acetyl CoA carboxylase enzyme activity](#)
- 7385034- [Complementary DNAs encoding proteins with signal peptides](#)
- 7390894- [Glutathione S-transferase sequence variants](#)
- 7393643- [Method of detecting ivermectin sensitivity in a canine subject by identifying a mutation in a MDR1-encoding sequence](#)
- 7393939- [Placental organic anion transporter and gene thereof](#)
- 7393946- [Method of modulating metabolite biosynthesis in recombinant cells](#)
- 7396544- [Schisandrin B preparation](#)
- 7399587- [Canine CYP1A2 genetic polymorphism](#)
- 7399761- [Phthalazine derivatives with angiogenesis inhibiting activity](#)
- 7405057- [Cytochrome P450s and uses thereof](#)
- 7384655- [Preparation of compositions to alleviate inflammation and oxidative stress in a mammal](#)
- 7378505- [Assay method for group transfer reactions](#)
- 7375127- [Tetrahydrocarbazole derivatives having improved biological action and improved solubility as ligands of G-protein coupled receptors \(GPCRs\)](#)
- 7358053- [Methods for detecting and reversing resistance to macrocyclic lactone compounds](#)
- 7358229- [Deuterated cyclosporin analogs and their use as immunomodulating agents](#)
- 7364858- [Detection of nucleic acid sequence differences using coupled ligase detection and polymerase chain reactions](#)
- 7364905- [Apparatus and method for high throughput analysis of compound-membrane interactions](#)
- 7368242- [Method and kits for multiplex hybridization assays](#)
- 7368270- [Human phospholipases](#)
- 7368278- [Process for treating an effluent polluted by MTBE or TAME using the Mycobacterium austroafricanum I-2562 strain fixed on a mineral support comprising perlite](#)
- 7371523- [Phenylethanolamine-N-methyltransferase sequence variants](#)
- 7371536- [Methods for transporting vitamin C](#)
- 7371836- [PRO526 nucleic acids](#)
- 7407976- [Thiazoles and oxazoles useful as modulators of ATP-Binding Cassette transporters](#)
- 7407986- [Prevention and treatment of oxidative stress disorders by glutathione and phase II detoxification enzymes](#)
- 7432056- [Biallelic markers derived from genomic regions carrying genes involved in arachidonic acid metabolism](#)
- 7433787- [System, method, and computer program product using a database in a computing system to compile and compare metabolomic data obtained from a plurality of samples](#)
- 7435556- [Method for increasing the ratio of p-hydroxybenzoic acid ester glucoside to total p-hydroxybenzoic acid glucose conjugates in p-hydroxybenzoic acid-producing microorganisms and green plant cells](#)
- 7435793- [Peptides that induce chondrocyte redifferentiation](#)
- 7445897- [Sequence variants of multi-drug resistance genes, MDR1 and MRP1, and methods for assessment of drug penetration and disposition](#)
- 7449567- [Isolation and identification of mouse and human transcription control elements associated with cytochrome expression](#)

- 7449615- [Non-invasive evaluation of physiological response in a transgenic mouse](#)
- 7452717- [Compositions and methods for sensitizing and inhibiting growth of human tumor cells](#)
- 7452877- [Methods for treating digestive functional pathologies](#)
- 7455965- [Method of designing addressable array for detection of nucleic acid sequence differences using ligase detection reaction](#)
- 7429596- [1H-pyrrolo \[2,3-D\] pyrimidine derivatives and methods of use thereof](#)
- 7429470- [Method for purification of nucleic acids by phase separation using laser and beads](#)
- 7429453- [Detection of nucleic acid sequence differences using coupled ligase detection and polymerase chain reactions](#)
- 7408098- [Regulation of quinolate phosphoribosyl transferase expression](#)
- 7413536- [Substrates and screening methods for transport proteins](#)
- 7413853- [Modulation of metabolism of steroids and xenobiotics](#)
- 7419790- [Sodium-independent transporter carrying acidic amino acid and its gene](#)
- 7419826- [Human schwannoma cell line](#)
- 7420044- [Nucleic acid and protein homologs and uses thereof](#)
- 7425624- [Sulfotransferase 1A3 sequence variants](#)
- 7425670- [Methods and compositions for protein production in tobacco plants with reduced nicotine](#)
- 7427489- [Screening assay to identify modulators of the sleep/wake cycle](#)
- 7427670- [Cytochrome P450 24 \(CYP24\) monoclonal antibody and methods and uses thereof](#)
- 7456210- [Benzyloxy derivatives](#)

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 Wessex Barn, Dorchester Road, Frampton, Dorset, DT2 9NB, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2008 - BioPortfolio Limited.

