

Odontoblasts

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Recent Publications on Odontoblasts:

- [Differentially expressed protein profile of human dental pulp cells in the early process of odontoblast-like differentiation in vitro.](#)
*Dental pulp cells (DPCs) are capable of differentiating into odontoblasts...*23rd August, 2008
Department of Operative Dentistry and Endodontics, Guanghua School of- J Endod. 2008 Sep;34(9):1077-84. ([DOI Direct Link](#))
- [The amelogenin "enamel proteins" and cells in the periodontium.](#)
*This overview will examine the multifunctional nature of a group of...*22nd August, 2008
Department of Anatomy and Cell Biology, University of Pennsylvania School- Crit Rev Eukaryot Gene Expr. 2008;18(4):345-60.
- [\[Study of the expression pattern of Syndecan-1 in different developing molar stage of mouse\]](#)
*OBJECTIVE: Developing mouse molar was used as a model for the study of...*19th August, 2008
Department of Pediatric Dentistry, School of Stomatology, China Medical- Hua Xi Kou Qiang Yi Xue Za Zhi. 2008 Jun;26(3):316-9.
- [Characterization of dental pulp stem cells of human tooth germs.](#)
*In previous studies, human dental pulp stem cells (hDPSCs) were mainly...*13th August, 2008
Department of Oral and Maxillofacial Science, Gifu University Graduate- J Dent Res. 2008 Jul;87(7):676-81.
- [Fluoride at non-toxic dose affects odontoblast gene expression in vitro.](#)
*Elevated fluoride intake may lead to local tissue disturbances, known as...*6th August, 2008
Centre de Recherche des Cordeliers, UMRS 872 - Equipe 5, Biologie- Toxicology. 2008 Jul 10;249(1):26-34. Epub 2008 Apr 25. ([DOI Direct Link](#))
- [Odontogenic Potential of Mesenchymal Cells from Hair Follicle Dermal Papilla.](#)
*Dental pulp stem cells from teeth can be used for tooth regeneration....*5th August, 2008
Fourth Military Medical University, Department of Oral Histology and- Stem Cells Dev. 2008 Aug 1. ([DOI Direct Link](#))
- [Tributyltin impairs dentin mineralization and enamel formation in cultured mouse embryonic molar teeth.](#)
*Tributyltin (TBT), earlier used as an antifouling agent in marine paints,...*31st July, 2008
Department of Pediatric and Preventive Dentistry, Institute of Dentistry,- Toxicol Sci. 2008 Jul 29. ([DOI Direct Link](#))
- [Unique and shared gene expression patterns in Atlantic salmon \(Salmo salar\) tooth development.](#)
*To validate the use of Atlantic salmon (Salmo salar L.) as a model species...*22nd July, 2008
Biology Department, Ghent University, K.L. Ledeganckstraat 35, Ghent,- Dev Genes Evol. 2008 Aug;218(8):427-37. Epub 2008 Jul 19. ([DOI Direct Link](#))

- [Phosphatidylinositol-3-kinase inhibitor LY 294002 blocks Streptococcus mutans-induced interleukin \(IL\)-6 and IL-8 gene expression in odontoblast-like cells.](#)
*Aim To investigate the involvement of the phosphatidylinositol-3-kinase...*22nd July, 2008
 Department of Periodontology, Operative and Preventive Dentistry,- Int Endod J. 2008 Jul 12. ([DOI Direct Link](#))
- [Structure and development of first-generation teeth in the cichlid Hemichromis bimaculatus \(Teleostei, Cichlidae\).](#)
*In order to build a reference system to assess results of ongoing in vitro...*17th July, 2008
 Instituut voor Dierkunde, Universiteit Gent, Belgium.- Tissue Cell. 1997 Dec;29(6):679-97.
- [Root development of rat tooth germs implanted in the tooth socket and in the subcutaneous tissue.](#)
*Objective: This study was designed to investigate root development of a...*17th July, 2008
 Division of Advanced Prosthetic Dentistry, Tohoku University Graduate- Oral Dis. 2008 Jun 21. ([DOI Direct Link](#))
- [\[Effects and molecular mechanism of nicotine on odontoblasts\]](#)
*OBJECTIVE: To observe the effects of nicotine on the proliferation of...*9th July, 2008
 Department of Pediatric Dentistry, College of Stomatology, The Fourth- Hua Xi Kou Qiang Yi Xue Za Zhi. 2008 Apr;26(2):186-8.
- [Expression and processing of small integrin-binding ligand N-linked glycoproteins in mouse odontoblastic cells.](#)
*OBJECTIVE: Small integrin-binding ligand N-linked glycoproteins (SIBLINGs)...*28th June, 2008
 Department of Pediatric Dentistry, The University of Texas Health Science- Arch Oral Biol. 2008 Sep;53(9):879-89. Epub 2008 Jun 26. ([DOI Direct Link](#))
- [Differential expression of LAR tyrosine phosphatase in the rat developing molar tooth germ.](#)
*OBJECTIVE: This study examined the molecules implicated in the...*17th June, 2008
 Department of Oral Anatomy, Wonkwang University, Iksan, South Korea.- Arch Oral Biol. 2008 Oct;53(10):947-53. Epub 2008 Jun 16. ([DOI Direct Link](#))
- [Changes in matrix extracellular phosphoglycoprotein expression before and during in vitro osteogenic differentiation of human dental papilla mesenchymal cells.](#)
*The purpose of this study is to characterise the expression of matrix...*13th June, 2008
 Department of Oral Sciences, Division of Oral Surgery, University Medical- Int J Immunopathol Pharmacol. 2008 Apr-Jun;21(2):309-18.

Odontoblasts Clinical Trials:



- [Regenerative Endodontic Techniques](#)
Regenerative Endodontic Tissue Engineering; Dental Pulp Diseases

Odontoblasts Patents:



- 6524558- [Dental anti-hypersensitivity composition and method](#)
- 6774209- [Binding peptides for carcinoembryonic antigen \(CEA\)](#)
- 6790649- [Composition, methods and reagents for the synthesis of a soluble form of human PHEX](#)
- 6854422- [Growing marine fish in fresh water](#)
- 6899107- [Osteoinduction of cortical bone allografts by coating with biopolymers seeded with recipient periosteal bone cells](#)
- 6899915- [Methods and compositions for culturing a biological tooth](#)
- 6903194- [Antibody against human parathormone related peptides](#)
- 6911425- [Integrin binding motif containing peptides and methods of treating skeletal diseases](#)
- 6916783- [Methods for accelerating bone and cartilage growth and repair](#)
- 6919424- [Binding peptides for carcinoembryonic antigen \(CEA\)](#)
- 6960084- [Method and system for selectively staining dental composite resin](#)
- 6743015- [Iontophoretic apparatus](#)
- 6720410- [Nucleic acids encoding enamel matrix related polypeptides](#)
- 6677306- [Chondrogenic and osteogenic inducing molecule](#)
- 6524623- [Therapeutic compositions and methods of use thereof](#)
- 6548077- [Purifying type I collagen using two papain treatments and reducing and delipidation agents](#)
- 6551355- [Tissue transplant coated with biocompatible biodegradable polymer](#)
- 6551990- [Methods of inhibiting ectopic calcification](#)
- 6564747- [Methods for raising pre-adult anadromous fish](#)
- 6579096- [Method and system for selectively staining dental composite resin](#)
- 6637371- [Methods for raising pre-adult anadromous fish](#)
- 6641396- [Method and device for preparing the hard structures of teeth for the application of dental restorative materials](#)
- 6655318- [Methods for raising pre-adult anadromous fish](#)
- 6670397- [Methods for transdifferentiation of body tissues](#)
- 6997883- [Diagnostic apparatus for determining the remineralization ability of tissue](#)
- 7052907- [Adult human dental pulp stem cells in vitro and in vivo](#)
- 7285091- [Assessment of tooth structure using laser based ultrasonics](#)
- 7304030- [Matrix protein composition for dentin regeneration](#)
- 7309232- [Methods for treating dental conditions using tissue scaffolds](#)
- 7329126- [Use of bioactive glass](#)
- 7358355- [Antibodies against human parathyroid hormone related protein](#)
- 7365091- [Derivatives of succinic and glutaric acids and analogs thereof useful as inhibitors of PHEX](#)
- 7381426- [Targeted delivery of bioactive factors to the systemic skeleton](#)
- 7384652- [Complexed-acidic-phospholipid-collagen composites for bone induction](#)
- 7396644- [Method of diagnosing and treating dentinogenesis imperfecta type II by using dentin sialophosphoprotein gene and coded product thereof](#)
- 7399466- [Method and compositions for promoting osteogenesis](#)
- 7247288- [Method of manufacturing hydroxyapatite and uses therefor in delivery of nucleic acids](#)
- 7182041- [Growing marine fish in fresh water](#)
- 7176189- [Methods for regeneration of a mammalian lens](#)
- 7067251- [Methods of directly selecting cells expressing inserts of interest](#)
- 7069876- [Methods for raising pre-adult anadromous fish](#)
- 7070974- [Metalloproteases of the neprilysin family](#)
- 7078021- [Dental products comprising bone growth enhancing peptide](#)
- 7105539- [Derivatives of succinic and glutaric acids and analogs thereof useful as inhibitors of phex](#)
- 7118746- [Conditioned cell culture medium compositions and methods of use](#)
- 7121227- [Methods for raising pre-adult anadromous fish](#)
- 7135278- [Method of screening for therapeutics for infectious diseases](#)
- 7153822- [Compositions and methods for modulating connexin hemichannels](#)
- 7160862- [Integrin binding motif containing peptides and methods of treating skeletal diseases](#)
- 7402434- [Splice choice antagonists as therapeutic agents](#)

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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)

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