

## Bone Development

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### Recent Publications on Bone Development:



- [Growth factors, inflammatory cytokines and postnatal bone strength in preterm infants.](#)  
*AIM: To assess the relationships between growth factors, inflammatory...*18th November, 2009  
Child Health and Sports Center, Pediatric Department, Meir Medical Center,- J Pediatr Endocrinol Metab. 2009 Aug;22(8):733-40.
- [The Gli2 transcriptional activator is a crucial effector for Ihh signaling in osteoblast development and cartilage vascularization.](#)  
*Indian hedgehog (Ihh) critically regulates multiple aspects of...*13th November, 2009  
- Development. 2009 Nov 11. ([DOI Direct Link](#))
- [Hypoxia-inducible factors 1alpha and 2alpha exert both distinct and overlapping functions in long bone development.](#)  
*The hypoxia-inducible factors have recently been identified as critical...*10th November, 2009  
Department of Obstetrics and Gynecology, University of Alabama at- J Cell Biochem. 2009 Nov 6. ([DOI Direct Link](#))
- [New insight on FGFR3-related chondrodysplasias molecular physiopathology revealed by human chondrocyte gene expression profiling.](#)  
*Endochondral ossification is the process by which the appendicular...*10th November, 2009  
Unite U781, Institut National de la Sante et de la Recherche Medicale,- PLoS One. 2009 Oct 29;4(10):e7633. ([DOI Direct Link](#))
- [CRTAP deficiency leads to abnormally high bone matrix mineralization in a murine model and in children with osteogenesis imperfecta type VII.](#)  
*Cartilage-associated protein (CRTAP) is an essential cofactor for the...*10th November, 2009  
Ludwig Boltzmann Institute of Osteology at Hanusch Hospital of WGKK and- Bone. 2009 Nov 4. ([DOI Direct Link](#))
- [Signaling pathways implicated in androgen regulation of endocortical bone.](#)  
*Periosteal expansion is a recognized response to androgen exposure during...*10th November, 2009  
Bone and Mineral Research Unit, Portland Veterans Affairs Medical Center,- Bone. 2009 Nov 4. ([DOI Direct Link](#))
- [BMP2 signaling in bone development and repair.](#)  
*BMPs are best known for their actions as bone formation signals. Recent...*7th November, 2009  
Department of Developmental Biology, Harvard University School of Dental- Cytokine Growth Factor Rev. 2009 Nov 3. ([DOI Direct Link](#))
- [aP2-Cre-mediated inactivation of acetyl-CoA carboxylase 1 causes growth retardation and reduced lipid accumulation in adipose tissues.](#)

- Adipose tissue is one of the major sites for fatty acid synthesis and...*5th November, 2009  
Verna and Marrs McLean Department of Biochemistry and Molecular Biology,- Proc Natl Acad Sci U S A. 2009 Oct 13;106(41):17576-81. Epub 2009 Sep 24. ([DOI Direct Link](#))
- [Cleft lip and palate genetics and application in early embryological development.](#)  
*The development of the head involves the interaction of several cell...*4th November, 2009  
Department of Biomedical Sciences, Texas A&M Health Science Center, Baylor- Indian J Plast Surg. 2009 Oct;42 Suppl:S35-50. ([DOI Direct Link](#))
  - [Use of cervical vertebral maturation to determine skeletal age.](#)  
*INTRODUCTION: The purpose of this study was to evaluate the validity of...*30th October, 2009  
Department of Orthodontics, Faculty of Dentistry, Prince Philip Dental- Am J Orthod Dentofacial Orthop. 2009 Oct;136(4):484.e1-6; discussion ([DOI Direct Link](#))
  - [Geometric morphometric evaluation of cervical vertebrae shape and its relationship to skeletal maturation.](#)  
*INTRODUCTION: Cervical vertebrae shape has been proposed as a diagnostic...*30th October, 2009  
Orthodontic Department, Dental School, University of Athens, Athens,- Am J Orthod Dentofacial Orthop. 2009 Oct;136(4):481.e1-9; discussion ([DOI Direct Link](#))
  - [A syndrome of short stature, microcephaly and speech delay is associated with duplications reciprocal to the common Sotos syndrome deletion.](#)  
*Genomic rearrangements are an increasingly recognized mechanism of human...*22nd October, 2009  
Department of Molecular and Human Genetics, Baylor College of Medicine,- Eur J Hum Genet. 2009 Oct 21. ([DOI Direct Link](#))
  - [FUNCTIONAL EXPRESSION OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR IN MOUSE CHONDROCYTES.](#)  
*SUMMARY 1. Cystic fibrosis transmembrane conductance regulator (CFTR) is...*22nd October, 2009  
Transplantation Biology Research Division, State Key Laboratory of- Clin Exp Pharmacol Physiol. 2009 Oct 16. ([DOI Direct Link](#))
  - [Consequences of X-Linked Hypohidrotic Ectodermal Dysplasia for the Human Jaw Bone.](#)  
*Mutations of the Eda gene, which encodes for ectodys-plasin-A1, result in...*16th October, 2009  
INSERM UMR 977, Faculty of Medicine, University of Strasbourg, Strasbourg,- Front Oral Biol. 2009;13:93-99. Epub 2009 Sep 21. ([DOI Direct Link](#))
  - [Osteogenesis in vitro: from pre-osteoblasts to osteocytes : A contribution from the Osteobiology Research Group, The Pennsylvania State University.](#)  
*Murine calvariae pre-osteoblasts (MC3T3-E1), grown in a novel bioreactor,...*15th October, 2009  
Biochemistry and Molecular Biology, Pennsylvania State University, 431,- In Vitro Cell Dev Biol Anim. 2009 Oct 14. ([DOI Direct Link](#))

## BioNews Results for Bone Development

- [Special sessions announced for World Congress on Osteoporosis 2010 - IOF WCO - ECCEO10](#)  
*Genetic Engineering News: Nov 20 2009 7:20PM Matching: bone development*
- [Bone implant offers hope for skull deformities](#)  
*Genetic Engineering News: Nov 20 2009 12:51AM Matching: bone development*
- [Bone Implant Offers Hope for Skull Deformities](#)  
*PhysOrg.com: Nov 20 2009 4:32PM Matching: bone development*
- [VisEn Launches New OsteoSense\(R\) 800 and VivoTag\(R\) 800 Fluorescence Molecular Imaging Agents](#)  
*Montana's News Station: Nov 20 2009 11:36AM Matching: bone development*
- [VisEn Launches New OsteoSense\(R\) 800 and VivoTag\(R\) 800 Fluorescence Molecular Imaging Agents](#)  
*KOTA Territory News: Nov 20 2009 10:37AM Matching: bone development*
- [New bone matrix implant offers hope for babies born with skull deformities](#)

- News-Medical.Net: Nov 20 2009 7:40AM Matching: bone development*
- [Oncolytics Biotech Inc. Collaborators Present Positive Phase II Sarcoma Trial Results at CTOS Annual Meeting](#)  
*Pharmacy Choice: Nov 17 2009 4:11PM Matching: bone development*
  - [Treatment for Type 2 diabetes available at PGI from next week](#)  
*Indian Express: Nov 14 2009 1:27AM Matching: bone development*
  - [Treatment for Type 2 diabetes available at PGI fro...](#)  
*Indian Express: Nov 14 2009 12:48AM Matching: bone development*
  - [First Clear Idea Of How Rare Bone Disease Progresses](#)  
*Science Daily: Nov 13 2009 12:55AM Matching: bone development*
  - [Study Provides First Clear Idea Of How Rare Bone Disease Progresses](#)  
*Medical News Today: Nov 13 2009 3:50PM Matching: bone development*
  - [Medical News: Study Provides First Clear Idea Of How Rare Bone Disease Progresses](#)  
*BioFind: Nov 13 2009 1:16PM Matching: bone development*
  - [Scientists to develop a treatment for rare genetic disorder, FOP](#)  
*News-Medical.Net: Nov 13 2009 1:41PM Matching: bone development*
  - [Study provides first clear idea of how rare bone disease progresses](#)  
*PhysOrg.com: Nov 13 2009 10:43AM Matching: bone development*
  - [Enzo Biochem to Present at Lazard Capital Markets 6th Annual Healthcare Conference](#)  
*Pharma Live: Nov 13 2009 10:14PM Matching: bone development*

## Bone Development Patents:



- 7452857- [Methods of treating irritable bowel syndrome and other disorders caused by small intestinal bacterial overgrowth](#)
- 7514419- [Phosphorus-containing thymomimetics](#)
- 7514532- [Mutant IGFBP-3 molecules that do not bind to IGFS, but retain their ability to functionally bind IGFBP-3 receptor](#)
- 7514594- [Transgenic animal model of bone mass modulation](#)
- 7517870- [Use of compounds that interfere with the hedgehog signaling pathway for the manufacture of a medicament for preventing, inhibiting, and/or reversing ocular diseases related with ocular neovascularization](#)
- 7527791- [Humanized anti-TGF-beta antibodies](#)
- 7541141- [Method of using estrogen-related receptor alpha \(ERR.alpha.\) status to determine prognosis, treatment strategy and predisposition to breast cancer, and method of using ERR.alpha. as a therapeutic target for the treatment of breast cancer](#)
- 7544486- [Nell peptide expression systems and bone formation activity of nell peptide](#)
- 7544661- [Self-assembling peptide amphiphiles and related methods for growth factor delivery](#)
- 7547687- [Therapeutic treatment methods](#)
- 7556801- [Human cord blood derived unrestricted somatic stem cells \(USSC\)](#)
- 7511056- [TGF-.beta. inhibitors](#)
- 7498416- [Antibodies that block receptor protein tyrosine kinase activation, methods of screening for and uses thereof](#)
- 7498170- [Bone precursor cells: compositions and methods](#)

- 7470537- [Adipose-derived stem cells and lattices](#)
- 7470772- [Antibody that specifically binds to Chemerin receptor ligand precursor](#)
- 7473678- [Platelet-derived growth factor compositions and methods of use thereof](#)
- 7476661- [Regulators of the hedgehog pathway, compositions and uses related thereto](#)
- 7482124- [Method of identifying a PPARgamma-agonist compound having a decreased likelihood of inducing dose-dependent peripheral edema](#)
- 7482334- [Therapeutic treatment methods](#)
- 7488710- [SFRP and peptide motifs that interact with SFRP and methods of their use](#)
- 7491183- [Playing rack having vibrating platform to stand on](#)
- 7491691- [Connective tissue stimulating peptides](#)
- 7497686- [Bone regeneration](#)
- 7560280- [Human cord blood derived unrestricted somatic stem cells \(USSC\)](#)
- 7563769- [FGF variants and methods for use thereof](#)
- 7595342- [Water-soluble strontium salts for use in treatment of cartilage and/or bone conditions](#)
- 7598246- [Bisphosphonate conjugates and methods of making and using the same](#)
- 7601370- [Method for controlling body weight in estrogen-insufficient women](#)
- 7601373- [Equine feed product](#)
- 7601501- [Controlling osteogenesis by inhibition of osteogenic suppressors](#)
- 7605240- [Methods of treating diarrhea and bloating caused by small intestinal bacterial overgrowth](#)
- 7608281- [Composition and use of RAR antagonists for promoting chondrogenesis](#)
- 7612041- [Isolated activin-binding ActRIIa polypeptide comprising the SEQ ID NO: 7 and uses for promoting bone growth](#)
- 7613677- [Method and system for providing indicia for structure function claims](#)
- 7618629- [Manipulation of cytokine levels using CD83 gene products](#)
- 7592176- [Method of forming mesenchymal stem cells from embryonic stem cells](#)
- 7589101- [Compounds and compositions as protein kinase inhibitors](#)
- 7588758- [COX-2 function and wound healing](#)
- 7563813- [Iminothiazolidinone derivatives as SFRP-1 antagonists](#)
- 7569593- [Compounds and compositions as protein kinase inhibitors](#)
- 7572291- [Osteochondral repair assembly including retracting spacer, kit and method](#)
- 7572440- [Method for repairing a defect in an intervertebral disc](#)
- 7572832- [Non-hygroscopic L-carnitine salts](#)
- 7576093- [Method of treatment of bone-related disorders or conditions](#)
- 7582292- [Adipose tissue derived stromal cells for the treatment of neurological disorders](#)
- 7585637- [Estrogen related receptor, ERR.alpha., a regulator of bone formation](#)
- 7585671- [Hedgehog interacting proteins and uses related thereto](#)
- 7585838- [Methods of treating fibromyalgia caused by small intestinal bacterial overgrowth](#)
- 7619069- [Antibodies to TGF-beta 1](#)

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