

Dwarfism

[View the current Dwarfism InDepth page on BioPortfolio.com \(PDF\)](#)

(<http://www.bioportfolio.com/indepth/Dwarfism.html>) - Regularly Updated.

Dwarfism refers to a condition of extreme small size of an animal, or plant. Any type of marked human smallness could be termed dwarfism in older popular and medical usage. The term as related to human beings is often used to refer specifically to those forms of extreme shortness characterized by disproportion of body parts, typically due to an inheritable disorder in bone or cartilage development. Forms of extreme shortness characterized by proportional body parts usually have a hormonal or nutritional cause. An example is growth hormone deficiency, once known as "pituitary dwarfism". The Little People of America defines dwarfism as a medical or genetic condition that usually results in an adult height of 4'10" or shorter. ([From the Wikipedia article Dwarfism.](#))



Recent Publications on Dwarfism:

- [Sjogren-larsson syndrome: case report and review of neurologic abnormalities and ichthyosis.](#)
*INTRODUCTION: Sjogren-Larsson syndrome (SLS) is characterized by the triad...*11th November, 2009
Department of Neurology, Federal University of Sao Paulo, Sao Paulo,- Neurologist. 2009 Nov;15(6):332-4. ([DOI Direct Link](#))
- [Mutation update for the CSB/ERCC6 and CSA/ERCC8 genes involved in Cockayne syndrome.](#)
*Cockayne syndrome is an autosomal recessive multisystem disorder...*7th November, 2009
Laboratory of Medical Genetics, University of Strasbourg, Strasbourg,- Hum Mutat. 2009 Nov 5. ([DOI Direct Link](#))
- [A nonsense mutation in cGMP-dependant type II protein kinase \(PRKG2\) causes dwarfism in American Angus cattle.](#)
*Historically, dwarfism was the major genetic defect in U.S. beef cattle...*6th November, 2009
Department of Animal Science, Iowa State University, 2255 Kildee Hall,- Proc Natl Acad Sci U S A. 2009 Nov 3. ([DOI Direct Link](#))
- [Multiple intracranial aneurysms and moyamoya disease associated with microcephalic osteodysplastic primordial dwarfism type II: surgical considerations.](#)
*Microcephalic osteodysplastic primordial dwarfism type II (MOPD II) is a...*3rd November, 2009
Department of Neurological Surgery, University of California, San- J Neurosurg Pediatr. 2009 Nov;4(5):439-44. ([DOI Direct Link](#))
- [The Pseudomonas syringae type III effector HopG1 targets mitochondria, alters plant development, and suppresses plant innate immunity.](#)
*Summary The bacterial plant pathogen Pseudomonas syringae uses a type III...*30th October, 2009
The Center for Plant Science Innovation, University of Nebraska, Lincoln,- Cell Microbiol. 2009 Oct 27. ([DOI Direct Link](#))
- [Neurosurgical implications of achondroplasia.](#)

- OBJECT: Achondroplasia is the most common form of human short-limbed...* 21st October, 2009
Division of Neurosurgery, The Hospital for Sick Children, University of- J Neurosurg Pediatr. 2009
Oct;4(4):297-306. ([DOI Direct Link](#))
- [Majewski osteodysplastic primordial dwarfism type II \(MOPD II\) syndrome previously diagnosed as Seckel syndrome: report of a novel mutation of the PCNT gene.](#)
We report on a 3-year-old boy with prenatal onset of proportionate... 20th October, 2009
II School of Medicine, Sapienza University, Roma, Italy.- Am J Med Genet A. 2009
Nov;149A(11):2452-6. ([DOI Direct Link](#))
 - [Molecular studies of achondroplasia.](#)
BACKGROUND: Achondroplasia (ACH) is the most frequent form of short-limbed... 20th October, 2009
Department of Genetic Medicine, Sir Ganga Ram Hospital, New Delhi - 110- Indian J Orthop. 2009
Apr;43(2):194-6. ([DOI Direct Link](#))
 - [Targeted induction of endoplasmic reticulum stress induces cartilage pathology.](#)
Pathologies caused by mutations in extracellular matrix proteins are... 17th October, 2009
Wellcome Trust Centre for Cell-Matrix Research, Faculty of Life Sciences,- PLoS Genet. 2009
Oct;5(10):e1000691. Epub 2009 Oct 16. ([DOI Direct Link](#))
 - [Chronically elevated plasma C-type natriuretic peptide \(CNP\) level stimulates skeletal growth in transgenic mice.](#)
C-type natriuretic peptide (CNP) plays a critical role in endochondral... 8th October, 2009
1Chugai Pharmaceutical Co., Ltd.- Am J Physiol Endocrinol Metab. 2009 Oct 6. ([DOI Direct Link](#))
 - [A mouse model offers novel insight into the myopathy and tendinopathy that is often associated with pseudoachondroplasia and multiple epiphyseal dysplasia.](#)
Pseudoachondroplasia (PSACH) and multiple epiphyseal dysplasia (MED) are... 8th October, 2009
Wellcome Trust Centre for Cell Matrix Research, Faculty of Life Sciences,- Hum Mol Genet. 2009 Oct
6. ([DOI Direct Link](#))
 - [Transient dwarfism of soil fauna during the Paleocene-Eocene Thermal Maximum.](#)
Soil organisms, as recorded by trace fossils in paleosols of the Willwood... 7th October, 2009
Kansas Geological Survey, University of Kansas, 1930 Constant Avenue,- Proc Natl Acad Sci U S A.
2009 Oct 20;106(42):17655-60. Epub 2009 Oct 5. ([DOI Direct Link](#))
 - [Increased p21 expression in chondrocytes of achondroplastic children independently from the presence of the G380R FGFR3 mutation.](#)
BACKGROUND: Achondroplasia (ACH) represents the major cause of dwarfism... 6th October, 2009
Pathology Department, Orthopaedic Institute Gaetano Pini, Milan, Italy.- J Orthop Sci. 2009
Sep;14(5):623-30. Epub 2009 Oct 3. ([DOI Direct Link](#))
 - [Open and Closed Lip Schizencephaly in Seckel Syndrome: A Case Report.](#)
Seckel syndrome (Online Mendelian Inheritance in Man database Number... 2nd October, 2009
Department of Pediatrics, The Institute of Child Health, Kolkata, West- J Child Neurol. 2009 Sep 30. ([DOI Direct Link](#))
 - [Altered Architecture and Enhanced Drought Tolerance in Rice via the Downregulation of IAA by TLD1/OsGH3.13 Activation.](#)
Plant architecture is determined by genetic and developmental programs, as... 25th September, 2009
Institute of Molecular Cell Biology, Hebei Normal University,- Plant Physiol. 2009 Sep 23. ([DOI Direct Link](#))

BioNews Results for Dwarfism

- [What Is Short Stature \(Dwarfism\)? What Causes Short Stature?](#)
Medical News Today: Nov 13 2009 4:02PM Matching: dwarfism
- [Medical News: What Is Short Stature \(Dwarfism\)? What Causes Short Stature?](#)
BioFind: Nov 13 2009 2:53PM Matching: dwarfism

- [Link found between old dads and genetic diseases](#)
Times Online: Oct 25 2009 11:45PM Matching: dwarfism
- [Scientists discover link between older dads and genetic diseases](#)
Times Online: Oct 25 2009 11:33PM Matching: dwarfism
- [Testicular tumours linked to offsprings' disease](#)
New Scientist: Oct 25 2009 6:07PM Matching: dwarfism
- [Patient and Provider Education at the Heart of New Prenatal and Early Childhood Diagnosis Program: Genetic All](#)
Ascribe: Oct 9 2009 9:12AM Matching: dwarfism
- [Climate change triggered dwarfism in soil-dwelling creatures of the past](#)
Research & Development: Oct 6 2009 8:53PM Matching: dwarfism

Dwarfism Clinical Trials:



- [Study of Pituitary Size and Function in Familial Dwarfism of Sindh](#)

Dwarfism Patents:



- 7531310- [Methods of diagnosing Crohn's disease by measuring expression level of RNA encoding human G-protein coupled receptor, HGPRBMY11](#)
- 7553952- [Gamma tocopherol methyltransferase coding sequence identified in Cuphea and uses thereof](#)
- 7557103- [Imidazopyridazine compounds](#)
- 7557266- [Isolated polynucleotide molecules corresponding to mutant and wild-type alleles of the maize D9 gene and methods of use](#)
- 7563438- [FGF homologs and antibodies thereto](#)
- 7563769- [FGF variants and methods for use thereof](#)
- 7563946- [Plant development regulating gene and its uses](#)
- 7569361- [Thrombopoietin protein variants](#)
- 7569384- [Albumin fusion proteins](#)
- 7575746- [Modified human IGF-IR antibodies](#)
- 7575917- [DNA constructs and methods to enhance the production of commercially viable transgenic plants](#)
- 7553861- [Dipeptidyl peptidase-IV inhibitors](#)
- 7553855- [Compositions of N-\[2,4-bis\(1,1-dimethylethyl\)-5-hydroxyphenyl\]-1,4-dihydro-4-oxoquinoline-3-carboxamide](#)
- 7531508- [Splice variant of the human pituitary growth hormone](#)
- 7531713- [Assay for toxin induced neuronal degeneration and viability in C. elegans](#)

- 7534575- [Method for detecting cancer using an antibody to Zcytor16](#)
- 7538109- [Quinoxalin-3-one derivatives as orexin receptor antagonists](#)
- 7541441- [Antibodies that specifically bind to TL5](#)
- 7550300- [Prediction of bare metal stent restenosis](#)
- 7550432- [Recombinant fusion proteins to growth hormone and serum albumin](#)
- 7550569- [Antibodies that specifically bind to GMAD](#)
- 7550578- [Rice promoters for regulation of plant expression](#)
- 7550590- [Dipeptidyl peptidase inhibitors](#)
- 7576062- [Compounds with growth hormone releasing properties](#)
- 7579150- [Mobile RNA acts as a signal to regulate plant growth and development](#)
- 7579357- [Dipeptidyl peptidase inhibitors](#)
- 7601893- [Stress-related polynucleotides and polypeptides in plants](#)
- 7605129- [Splice variant of human placental growth hormone](#)
- 7605236- [Antibodies that immunospecifically bind to B lymphocyte stimulator protein](#)
- 7605244- [Gamma tocopherol methyltransferase coding sequence from Brassica and uses thereof](#)
- 7605308- [Regulation of quinolate phosphoribosyl transferase expression](#)
- 7608452- [Polynucleotides encoding cytokine receptor zcytor19](#)
- 7608704- [Secreted proteins](#)
- 7612067- [Imidazopyridazine compounds](#)
- 7612255- [Transgenic plants for mitigating introgression of genetically engineered genetic traits](#)
- 7615349- [Melanoma gene signature](#)
- 7601809- [Cytokine receptor zcytor19](#)
- 7598429- [Transcription factor sequences for conferring advantageous properties to plants](#)
- 7585839- [Medical uses of intercellular communication facilitating compounds](#)
- 7585877- [Aminophenyl derivatives as selective androgen receptor modulators](#)
- 7589255- [DWF4 polynucleotides, polypeptides and uses thereof](#)
- 7592010- [Albumin fusion proteins](#)
- 7592319- [Uses of DNA-PK](#)
- 7592451- [Treatment for diabetes and obesity as well as method of screening compounds useful for such treatments](#)
- 7595382- [Gamma tocopherol methyltransferase coding sequences from Brassica and uses thereof](#)
- 7596455- [Crystallization of IGF-1](#)
- 7597886- [Tumor necrosis factor-gamma](#)
- 7598412- [Modulators of ATP-binding cassette transporters](#)
- 7615611- [Human cytokine receptor](#)

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,

