

CITATION REPORT

List of articles citing

Runx2/Cbfa1 stimulates transdifferentiation of primary skeletal myoblasts into a mineralizing osteoblastic phenotype

DOI: 10.1016/j.yexcr.2004.07.031

Experimental Cell Research, 2004, 300, 406-17.

Source: <https://exaly.com/paper-pdf/37589311/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
114	Exogenous Runx2 expression enhances in vitro osteoblastic differentiation and mineralization in primary bone marrow stromal cells. <i>Tissue Engineering</i> , 2004 , 10, 1623-32		85
113	Biglycan modulates osteoblast differentiation and matrix mineralization. 2005 , 20, 1878-86		87
112	The effect of ligand type and density on osteoblast adhesion, proliferation, and matrix mineralization. 2005 , 75, 855-69		97
111	Biological approaches to bone regeneration by gene therapy. 2005 , 84, 1093-103		154
110	Scaffold-based bone engineering by using genetically modified cells. 2005 , 347, 1-10		74
109	Glucocorticoid-induced osteogenesis is negatively regulated by Runx2/Cbfa1 serine phosphorylation. 2006 , 119, 581-91		103
108	Metaplasia of chondrocytes into osteoblasts. 2006 , 54, 75-80		7
107	Inducible regulation of Runx2-stimulated osteogenesis. 2006 , 13, 873-82		48
106	BMP signaling is required for RUNX2-dependent induction of the osteoblast phenotype. 2006 , 21, 637-46		267
105	Bone tissue engineering by gene delivery. 2006 , 58, 555-76		120
104	Runx2 overexpression enhances osteoblastic differentiation and mineralization in adipose--derived stem cells in vitro and in vivo. 2006 , 79, 169-78		132
103	Mineralization capacity of Runx2/Cbfa1-genetically engineered fibroblasts is scaffold dependent. 2006 , 27, 5535-45		41
102	Effects of Runx2 genetic engineering and in vitro maturation of tissue-engineered constructs on the repair of critical size bone defects. 2006 , 76, 646-55		39
101	The Regulation of Satellite Cell Function in Skeletal Muscle Regeneration and Plasticity. 2006 , 137-172		
100	Skeletal Muscle Plasticity in Health and Disease. 2006 ,		2
99	Engineering stem cells for therapy. 2006 , 1, 575-87		2
98	Genetic engineering for skeletal regenerative medicine. 2007 , 9, 87-119		29

97	Dermal fibroblasts genetically modified to express Runx2/Cbfa1 as a mineralizing cell source for bone tissue engineering. <i>Tissue Engineering</i> , 2007 , 13, 2029-40	29
96	A novel in vivo model to study endochondral bone formation; HIF-1alpha activation and BMP expression. 2007 , 40, 409-18	46
95	In vitro and in vivo osteoblastic differentiation of BMP-2- and Runx2-engineered skeletal myoblasts. 2007 , 100, 1324-36	25
94	Osteoactivin acts as downstream mediator of BMP-2 effects on osteoblast function. 2007 , 210, 26-37	66
93	Virus-based gene therapy strategies for bone regeneration. 2007 , 28, 211-29	96
92	Plasticité des cellules ostéoprogénitrices. 2007 , 74, 934-937	
91	Plasticity of osteoprogenitor cells. 2007 , 74, 536-9	3
90	BMP2, BMP4, and their receptors are expressed in the differentiating muscle tissues of mouse embryonic tongue. 2007 , 329, 103-17	7
89	In vitro response of primary human bone marrow stromal cells to recombinant human bone morphogenic protein-2 in the early and late stages of osteoblast differentiation. 2008 , 50, 553-64	40
88	Differentiation potential of human muscle-derived cells towards chondrogenic phenotype in alginate beads culture. 2008 , 16, 1509-18	23
87	Gene Therapy Protocols. <i>Methods in Molecular Biology</i> , 2008 ,	1.4
86	Musculoskeletal Tissue Regeneration. 2008 ,	11
85	Hard tissue formation in a porous HA/TCP ceramic scaffold loaded with stromal cells derived from dental pulp and bone marrow. 2008 , 14, 285-94	97
84	Zfp64 participates in Notch signaling and regulates differentiation in mesenchymal cells. 2008 , 121, 1613-23	26
83	Runx2 represses myocardin-mediated differentiation and facilitates osteogenic conversion of vascular smooth muscle cells. 2008 , 28, 1147-60	60
82	The muscle transcription factor MyoD promotes osteoblast differentiation by stimulation of the Osterix promoter. 2008 , 149, 3698-707	14
81	Beyond the vernacular: new sources of cells for bone tissue engineering. 2008 , 122, 755-764	14
80	Low magnitude and high frequency mechanical loading prevents decreased bone formation responses of 2T3 preosteoblasts. 2009 , 106, 306-16	38

79	The Aurora B kinase activity is required for the maintenance of the differentiated state of murine myoblasts. 2009 , 16, 321-30		43
78	Synergistic action of static stretching and BMP-2 stimulation in the osteoblast differentiation of C2C12 myoblasts. 2009 , 42, 2721-7		25
77	Matrix protein biglycan induces osteoblast differentiation through extracellular signal-regulated kinase and Smad pathways. 2010 , 33, 1891-7		38
76	Boron regulates mineralized tissue-associated proteins in osteoblasts (MC3T3-E1). 2010 , 24, 243-50		140
75	Tanshinone IIA enhances BMP-2-stimulated commitment of C2C12 cells into osteoblasts via p38 activation. 2010 , 39, 1217-26		32
74	Characterization of distinct mesenchymal-like cell populations from human skeletal muscle in situ and in vitro. <i>Experimental Cell Research</i> , 2010 , 316, 2513-26	4.2	58
73	Physcion-8-O-beta-D-glucopyranoside enhances the commitment of mouse mesenchymal progenitors into osteoblasts and their differentiation: Possible involvement of signaling pathways to activate BMP gene expression. 2010 , 109, 1148-57		9
72	The effects of Runx2 immobilization on poly (epsilon-caprolactone) on osteoblast differentiation of bone marrow stromal cells in vitro. 2010 , 31, 3231-6		34
71	Morphological and molecular characterization of developing vertebral fusions using a teleost model. 2010 , 10, 13		44
70	Runx2 overexpression in bone marrow stromal cells accelerates bone formation in critical-sized femoral defects. 2010 , 16, 2795-808		27
69	Bone morphogenetic protein-7 enhances cementoblast function in vitro. 2010 , 81, 1663-74		39
68	Heterotopic ossification induced by Achilles tenotomy via endochondral bone formation: expression of bone and cartilage related genes. 2010 , 46, 425-31		54
67	Atlantic salmon (<i>Salmo salar</i>) muscle precursor cells differentiate into osteoblasts in vitro: polyunsaturated fatty acids and hyperthermia influence gene expression and differentiation. 2010 , 1801, 127-37		19
66	Engineered Bioactive Molecules. 2011 , 131-145		0
65	Retinoic acid-induced Smad3 expression is required for the induction of osteoblastogenesis of mesenchymal stem cells. 2011 , 82, 57-65		25
64	Transcription factor osterix modified bone marrow mesenchymal stem cells enhance callus formation during distraction osteogenesis. 2011 , 111, 412-9		29
63	Double-negative feedback loops as a common design motif in the transcriptional networks regulating cell fate. 2011 , 4, 41		
62	Sequential induction of marrow stromal cells by FGF2 and BMP2 improves their growth and differentiation potential in vivo. 2011 , 56, 90-101		18

61	Hydrogen sulfide protects MC3T3-E1 osteoblastic cells against H ₂ O ₂ -induced oxidative damage-implications for the treatment of osteoporosis. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 1314-23	139
60	Bone morphogenetic protein-2 functions as a negative regulator in the differentiation of myoblasts, but not as an inducer for the formations of cartilage and bone in mouse embryonic tongue. 2011 , 11, 44	14
59	The mechanism of cartilage subdivision in the reorganization of the zebrafish pectoral fin endoskeleton. 2011 , 316, 584-97	9
58	Transplantation of Cbfa1-overexpressing adipose stem cells together with vascularized periosteal flaps repair segmental bone defects. 2012 , 176, e13-20	18
57	Early gene regulation of osteogenesis in embryonic stem cells. 2012 , 4, 1470-7	2
56	Interleukin 17 inhibits myogenic and promotes osteogenic differentiation of C2C12 myoblasts by activating ERK1,2. 2012 , 1823, 838-49	45
55	Effect of lactoferrin on osteogenic differentiation of human adipose stem cells. 2012 , 36, 647-53	32
54	In vitro and in vivo osteogenic activity of licochalcone A. 2012 , 42, 1455-65	29
53	Histone deacetylase inhibitor trichostatin A promotes the osteogenic differentiation of rat adipose-derived stem cells by altering the epigenetic modifications on Runx2 promoter in a BMP signaling-dependent manner. 2013 , 22, 248-55	42
52	Engineered Proteins for Controlling Gene Expression. 2013 , 125-138	0
51	Osteoblasts of Craniofacial Bone. 2013 , 43-57	
50	The role of single-cell analyses in understanding cell lineage commitment. 2013 , 8, 397-407	2
49	Heparin-binding EGF-like growth factor and miR-1192 exert opposite effect on Runx2-induced osteogenic differentiation. 2013 , 4, e868	28
48	Osteoactivin induces transdifferentiation of C2C12 myoblasts into osteoblasts. 2014 , 229, 955-66	37
47	Emodin regulates bone remodeling by inhibiting osteoclastogenesis and stimulating osteoblast formation. 2014 , 29, 1541-53	52
46	Histone deacetylase inhibitor sodium butyrate promotes the osteogenic differentiation of rat adipose-derived stem cells. 2014 , 56, 206-13	16
45	Phosphoserine promotes osteogenic differentiation of human adipose stromal cells through bone morphogenetic protein signalling. 2014 , 38, 309-17	12
44	Genomic occupancy of Runx2 with global expression profiling identifies a novel dimension to control of osteoblastogenesis. 2014 , 15, R52	95

43	MicroRNAs expression and their regulatory networks during mesenchymal stem cells differentiation toward osteoblasts. 2014 , 66, 194-202	65
42	Cationic Nanogel-mediated Runx2 and Osterix siRNA Delivery Decreases Mineralization in MC3T3 Cells. 2015 , 473, 2139-49	17
41	Histochemical examination of adipose derived stem cells combined with β -TCP for bone defects restoration under systemic administration of 1,25(OH) $_2$ D $_3$. 2015 , 54, 133-41	9
40	Dynamic Expression Profiles of Marker Genes in Osteogenic Differentiation of Human Bone Marrow-derived Mesenchymal Stem Cells. 2015 , 30, 108-13	26
39	Effect of hydroxyapatite nanocrystals functionalized with lactoferrin in osteogenic differentiation of mesenchymal stem cells. 2015 , 103, 224-34	28
38	Porcine placenta hydrolysates enhance osteoblast differentiation through their antioxidant activity and effects on ER stress. 2016 , 16, 291	7
37	Chemical stability and osteogenic activity of plasma-sprayed boron-modified calcium silicate-based coatings. 2016 , 27, 166	11
36	Acridinone C and the Effect of Acridinones on Osteoclastogenic and Osteoblastogenic Activity. 2016 , 79, 1730-6	9
35	Poly(L-Lactide)/Poly(ϵ -Caprolactone) and Collagen/ β -Tricalcium Phosphate Scaffolds for the Treatment of Critical-Sized Rat Alveolar Defects: A Microtomographic, Molecular-Biological, and Histological Study. 2016 , 53, 453-63	4
34	Different Sialoside Epitopes on Collagen Film Surfaces Direct Mesenchymal Stem Cell Fate. 2016 , 8, 14952-7	18
33	A limb-girdle myopathy phenotype of RUNX2 mutation in a patient with cleidocranial dysplasia: a case study and literature review. 2017 , 17, 2	4
32	Bone and Muscle. 2017 , 281-316	1
31	Transdifferentiation of myoblasts into osteoblasts - possible use for bone therapy. 2017 , 69, 1661-1671	8
30	Ion channel functional protein kinase TRPM7 regulates Mg ions to promote the osteoinduction of human osteoblast via PI3K pathway: In vitro simulation of the bone-repairing effect of Mg-based alloy implant. 2017 , 63, 369-382	74
29	Biomaterialized Recombinant Collagen-Based Scaffold Mimicking Native Bone Enhances Mesenchymal Stem Cell Interaction and Differentiation. 2017 , 23, 1423-1435	19
28	Systematic Analysis of Known and Candidate Lysine Demethylases in the Regulation of Myoblast Differentiation. 2017 , 429, 2055-2065	10
27	Gene-Activated Titanium Surfaces Promote In Vitro Osteogenesis. 2017 , 32, e83-e96	8
26	A Novel Diterpenoid Suppresses Osteoclastogenesis and Promotes Osteogenesis by Inhibiting Irf1-Mediated and Irf1-Mediated p65 Nuclear Translocation. 2018 , 33, 667-678	38

25	Development of a 3D Collagen Model for the In Vitro Evaluation of Magnetic-assisted Osteogenesis. 2018 , 8, 16270		22
24	Fabrication of sulphonated poly(ethylene glycol)-diacrylate hydrogel as a bone grafting scaffold. 2018 , 29, 187		7
23	The Dual Role of Oat Bran Water Extract in Bone Homeostasis Through the Regulation of Osteoclastogenesis and Osteoblast Differentiation. 2018 , 23,		6
22	Genetic Engineering of Mesenchymal Stem Cells for Differential Matrix Deposition on 3D Woven Scaffolds. 2018 , 24, 1531-1544		8
21	The art of building bone: emerging role of chondrocyte-to-osteoblast transdifferentiation in endochondral ossification. 2018 , 6, 19		103
20	TGF- β promotes the osteoinduction of human osteoblasts via the PI3K/AKT/mTOR/S6K1 signalling pathway. 2019 , 19, 3505-3518		20
19	Exendin-4 promotes osteogenic differentiation of adipose-derived stem cells and facilitates bone repair. 2019 , 20, 4933-4942		7
18	Distal-less homeobox 3, a negative regulator of myogenesis, is downregulated by microRNA-133. 2018 , 120, 2226		2
17	Angelicin-A Furocoumarin Compound With Vast Biological Potential. 2020 , 11, 366		5
16	Transcriptional networks controlling stromal cell differentiation. 2021 , 22, 465-482		8
15	The Role of Extracellular Vesicles Secreted From Thermal Stress-Induced Adipose-Derived Stem Cells on Bone Regeneration. 2021 , 32, 2245-2250		1
14	Gold Nanoparticles Promote the Bone Regeneration of Periodontal Ligament Stem Cell Sheets Through Activation of Autophagy. <i>International Journal of Nanomedicine</i> , 2021 , 16, 61-73	7.3	10
13	Retroviral-mediated gene therapy for the differentiation of primary cells into a mineralizing osteoblastic phenotype. <i>Methods in Molecular Biology</i> , 2008 , 433, 333-54	1.4	10
12	The core binding factor CBF negatively regulates skeletal muscle terminal differentiation. <i>PLoS ONE</i> , 2010 , 5, e9425	3.7	17
11	Hydroxytyrosol prevents periodontitis-induced bone loss by regulating mitochondrial function and mitogen-activated protein kinase signaling of bone cells. <i>Free Radical Biology and Medicine</i> , 2021 , 176, 298-311	7.8	1
10	Retroviral-Mediated Gene Therapy for the Differentiation of Primary Cells into a Mineralizing Osteoblastic Phenotype. 2008 , 333-354		
9	Hard Tissue Formation in a Porous HA/TCP Ceramic Scaffold Loaded with Stromal Cells Derived from Dental Pulp and Bone Marrow. <i>Tissue Engineering</i> , 110306233438005		
8	Gene Therapy Approaches for Musculoskeletal Tissue Regeneration. 2008 , 569-591		

7	Engineered Proteins for Controlling Gene Expression. 2011 , 159-176		
6	Nothing Boring About Boron. <i>Integrative Medicine</i> , 2015 , 14, 35-48	0.4	26
5	Doxorubicin restrains osteogenesis and promotes osteoclastogenesis in vitro. <i>American Journal of Translational Research (discontinued)</i> , 2020 , 12, 5640-5654	3	1
4	Skeletal Fluorosis. 2021 , 31-62		
3	SMAD4 contributes to chondrocyte and osteocyte development. <i>Journal of Cellular and Molecular Medicine</i> , 2021 ,	5.6	4
2	Bone marrow mesenchymal stem cells paracrine TGF- β 1 to mediate the biological activity of osteoblasts in bone repair. 2023 , 164, 156139		0
1	Beneficial regulation of vitamin D3-rich extract from the processing by-products of <i>Penaeus sinensis</i> on preosteoblastic MC3T3-E1 cells and improvement of bone health in VD-deficient mice.		0