

CITATION REPORT

List of articles citing

Epigenetic Plasticity Drives Adipogenic and Osteogenic Differentiation of Marrow-derived Mesenchymal Stem Cells

DOI: 10.1074/jbc.m116.736538

Journal of Biological Chemistry, 2016, 291, 17829-47.

Source: <https://exaly.com/paper-pdf/64647031/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
134	An Emerging Regulatory Landscape for Skeletal Development. 2016 , 32, 774-787		11
133	Snail/Slug-YAP/TAZ complexes cooperatively regulate mesenchymal stem cell function and bone formation. 2017 , 16, 399-405		66
132	Epigenomic PU.1-VDR crosstalk modulates vitamin D signaling. 2017 , 1860, 405-415		30
131	Spotlight on vitamin D receptor, lipid metabolism and mitochondria: Some preliminary emerging issues. 2017 , 450, 24-31		35
130	Epigenetic Control of Osteoblast Differentiation by Enhancer of Zeste Homolog 2 (EZH2). 2017 , 3, 94-106		11
129	Histone H4 Methyltransferase Suv420h2 Maintains Fidelity of Osteoblast Differentiation. 2017 , 118, 1262-1272		22
128	Bone Marrow Adipose Tissue: The First 40 Years. 2017 , 32, 1153-1156		9
127	Intranuclear Actin Structure Modulates Mesenchymal Stem Cell Differentiation. 2017 , 35, 1624-1635		41
126	Identification of Three Early Phases of Cell-Fate Determination during Osteogenic and Adipogenic Differentiation by Transcription Factor Dynamics. 2017 , 8, 947-960		50
125	Bioinformatic approaches to interrogating vitamin D receptor signaling. 2017 , 453, 3-13		4
124	Molecular endocrinology of vitamin D on the epigenome level. 2017 , 453, 14-21		42
123	Biology and Mechanisms of Action of the Vitamin D Hormone. 2017 , 46, 815-843		107
122	miR-155 induces ROS generation through downregulation of antioxidation-related genes in mesenchymal stem cells. 2017 , 16, 1369-1380		34
121	Reflections on Cancer in the Bone Marrow: Adverse Roles of Adipocytes. 2017 , 3, 254-262		6
120	Identification of the gene-regulatory landscape in skeletal development and potential links to skeletal regeneration. 2017 , 6, 100-107		3
119	A kidney-specific genetic control module in mice governs endocrine regulation of the cytochrome P450 gene essential for vitamin D activation. <i>Journal of Biological Chemistry</i> , 2017 , 292, 17541-17558	5.4	53
118	The vitamin D receptor: contemporary genomic approaches reveal new basic and translational insights. 2017 , 127, 1146-1154		81

117	The Roles of Long Non-Protein-Coding RNAs in Osteo-Adipogenic Lineage Commitment. 2017 , 18,	18
116	Endothelial-derived extracellular matrix ameliorate the stemness deprivation during ex vivo expansion of mouse bone marrow-derived mesenchymal stem cells. <i>PLoS ONE</i> , 2017 , 12, e0184111	3-7 8
115	Differentiation of Preosteoblast-Like Cells, MC3T3-E1, to Adipocytes Is Enhanced by 1,25(OH) Vitamin D. <i>Frontiers in Endocrinology</i> , 2017 , 8, 128	5-7 1
114	Sun-mediated mechanical LINC between nucleus and cytoskeleton regulates β catenin nuclear access. 2018 , 74, 32-40	36
113	Transcriptional profiling of murine osteoblast differentiation based on RNA-seq expression analyses. 2018 , 113, 29-40	9
112	Mutant cartilage oligomeric matrix protein (COMP) compromises bone integrity, joint function and the balance between adipogenesis and osteogenesis. 2018 , 67, 75-89	17
111	A Novel Distal Enhancer Mediates Inflammation-, PTH-, and Early Onset Murine Kidney Disease-Induced Expression of the Mouse Gene. 2018 , 2, 32-47	31
110	Critical role of mTOR, PPAR α and PPAR β signaling in regulating early pregnancy decidual function, embryo viability and feto-placental growth. 2018 , 24, 327-340	18
109	Physical Signals May Affect Mesenchymal Stem Cell Differentiation via Epigenetic Controls. 2018 , 46, 42-47	12
108	Loss of histone methyltransferase Ezh2 stimulates an osteogenic transcriptional program in chondrocytes but does not affect cartilage development. <i>Journal of Biological Chemistry</i> , 2018 , 293, 19004-19011	5-14 19011
107	Osteoblasts. 2018 , 31-37	6
106	Epigenetic Crosstalk between the Tumor Microenvironment and Ovarian Cancer Cells: A Therapeutic Road Less Traveled. 2018 , 10,	30
105	Epigenetics and bone diseases. 2018 , 100, e6	4
104	Skeletal Stem Cells/Bone Marrow Stromal Cells. 2018 , 241-260	
103	An Overview of Long Noncoding RNAs Involved in Bone Regeneration from Mesenchymal Stem Cells. 2018 , 2018, 8273648	63
102	The impact of the vitamin D-modulated epigenome on VDR target gene regulation. 2018 , 1861, 697-705	35
101	The Vitamin D System: Biological and Molecular Actions in the Intestine and Colon. 2018 , 1153-1180	
100	Vitamin D Genomics: From to. <i>Frontiers in Endocrinology</i> , 2018 , 9, 250	5-7 27

99	Genomic Effects of the Vitamin D Receptor: Potentially the Link between Vitamin D, Immune Cells, and Multiple Sclerosis. 2018 , 9, 477		32
98	Genome-Wide Perspectives on Vitamin D Receptor-Mediated Control of Gene Expression in Target Cells. 2018 , 141-174		
97	Vitamin D and Chromatin. 2018 , 217-225		
96	Mesenchymal Differentiation, Epigenetic Dynamics, and Interactions With VDR. 2018 , 227-243		
95	Enhancer of zeste homolog 2 (EZH2) controls bone formation and cell cycle progression during osteogenesis in mice. <i>Journal of Biological Chemistry</i> , 2018 , 293, 12894-12907	5-4	44
94	Bone Remodeling: Histone Modifications as Fate Determinants of Bone Cell Differentiation. 2019 , 20,		24
93	LMCD1 promotes osteogenic differentiation of human bone marrow stem cells by regulating BMP signaling. 2019 , 10, 647		5
92	Titanium with nanotopography induces osteoblast differentiation through regulation of integrin signaling. 2019 , 120, 16723-16732		10
91	Gene regulation through dynamic actin control of nuclear structure. 2019 , 244, 1345-1353		11
90	Sarcoma Stem Cell Heterogeneity. 2019 , 1123, 95-118		31
89	Osteogenesis depends on commissioning of a network of stem cell transcription factors that act as repressors of adipogenesis. 2019 , 51, 716-727		89
88	Epigenetic-Based Mechanisms of Osteoblast Suppression in Multiple Myeloma Bone Disease. 2019 , 3, e10183		13
87	Effects of Vitamin D Use on Outcomes of Psychotic Symptoms in Alzheimer Disease Patients. 2019 , 27, 908-917		6
86	Mesenchymal stem cell perspective: cell biology to clinical progress. 2019 , 4, 22		532
85	Identification of myosin II as a cripto binding protein and regulator of cripto function in stem cells and tissue regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 509, 69-75	3-4	7
84	Parathyroid hormone-stimulation of Runx2 during osteoblast differentiation via the regulation of lnc-SUPT3H-1:16 (RUNX2-AS1:32) and miR-6797-5p. 2019 , 158, 43-52		26
83	Temporal enhancer profiling of parallel lineages identifies AHR and GLIS1 as regulators of mesenchymal multipotency. 2019 , 47, 1141-1163		12
82	Skeletal stem cells: Tissue-specific stem/progenitor cells of cartilage, bone, stroma, and marrow adipocytes. 2020 , 45-71		2

81 Vitamin D and its analogs. **2020**, 1733-1757

80 CRYAB promotes osteogenic differentiation of human bone marrow stem cells via stabilizing E-catenin and promoting the Wnt signalling. *Cell Proliferation*, **2020**, 53, e12709 7.9 8

79 Knockdown of formin mDia2 alters lamin B1 levels and increases osteogenesis in stem cells. **2020**, 38, 102-117 8

78 Structure and function of the vitamin D-binding proteins. **2020**, 713-737

77 Vitamin D gene regulation. **2020**, 739-756

76 Epigenetic Regulators of Mesenchymal Stem/Stromal Cell Lineage Determination. **2020**, 18, 597-605 13

75 Inside Out Integrin Activation Mediated by PIEZO1 Signaling in Erythroblasts. **2020**, 11, 958 8

74 MiR-218 affects hypertrophic differentiation of human mesenchymal stromal cells during chondrogenesis via targeting RUNX2, MEF2C, and COL10A1. **2020**, 11, 532 4

73 Gene regulatory landscape in osteoblast differentiation. **2020**, 137, 115458 3

72 Low Intensity Vibrations Augment Mesenchymal Stem Cell Proliferation and Differentiation Capacity during in vitro Expansion. *Scientific Reports*, **2020**, 10, 9369 4.9 10

71 Exosomes derived from mesenchymal stem cells inhibit neointimal hyperplasia by activating the Erk1/2 signalling pathway in rats. **2020**, 11, 220 11

70 Vitamin D: Newer Concepts of Its Metabolism and Function at the Basic and Clinical Level. **2020**, 4, bvz038 29

69 Control of mesenchymal stem cell biology by histone modifications. **2020**, 10, 11 14

68 E-catenin Preserves the Stem State of Murine Bone Marrow Stromal Cells Through Activation of EZH2. **2020**, 35, 1149-1162 22

67 Emerging trends in chromatin remodeler plasticity in mesenchymal stromal cell function. **2021**, 35, e21234 3

66 Nuclear envelope mechanobiology: linking the nuclear structure and function. **2021**, 12, 90-114 2

65 Surface Topography of Titanium Affects Their Osteogenic Potential through DNA Methylation. **2021**, 22, 2

64 Transcriptional networks controlling stromal cell differentiation. **2021**, 22, 465-482 8

63	Phytochemical Analysis of the Fruits of Sea Buckthorn (): Identification of Organic Acid Derivatives. 2021 , 10,	4
62	Comparative Skeletal Structure. 2 , 1-16	0
61	Comparative Transcriptome Analysis of Human Adipose-Derived Stem Cells Undergoing Osteogenesis in 2D and 3D Culture Conditions. 2021 , 22,	1
60	Recellularization of Native Tissue Derived Acellular Scaffolds with Mesenchymal Stem Cells. 2021 , 10,	2
59	Age-related alterations and senescence of mesenchymal stromal cells: Implications for regenerative treatments of bones and joints. 2021 , 198, 111539	7
58	Chromatin remodeling due to degradation of citrate carrier impairs osteogenesis of aged mesenchymal stem cells. 2021 , 1, 810-825	8
57	Estrogen receptor alpha regulates the expression of adipogenic genes genetically and epigenetically in rat bone marrow-derived mesenchymal stem cells. 2021 , 9, e12071	3
56	Multiple pharmacological inhibitors targeting the epigenetic suppressor enhancer of zeste homolog 2 (Ezh2) accelerate osteoblast differentiation. 2021 , 150, 115993	8
55	At the nuclear envelope of bone mechanobiology. 2021 , 151, 116023	4
54	Ginkgonitroside, a new nitrophenyl glycoside and bioactive compounds from Ginkgo biloba leaves controlling adipocyte and osteoblast differentiation. 2021 , 50, 128322	
53	Alteration of active and repressive histone marks during adipogenic differentiation of porcine mesenchymal stem cells. <i>Scientific Reports</i> , 2021 , 11, 1325	4-9 2
52	Genetic Predisposition to Colon and Rectal Adenocarcinoma Is Mediated by a Super-enhancer Polymorphism Coactivating and. 2020 , 29, 850-859	4
51	Phytochemical Investigation of Bioactive Compounds from White Kidney Beans (Fruits of var.): Identification of Denatonium with Osteogenesis-Inducing Effect. 2021 , 10,	
50	PLA/HA Multiscale Nano-/Micro-Hybrid 3D Scaffolds Provide Inductive Cues to Stems Cells to Differentiate into an Osteogenic Lineage. 2021 , 73, 3787	0
49	miR-30a-5p inhibits osteogenesis and promotes periodontitis by targeting Runx2. 2021 , 21, 513	0
48	Genome-scale actions of master regulators directing skeletal development. 2021 , 57, 217-223	0
47	Silencing of perilipin by short hairpin RNA inhibits proliferation and induces apoptosis in liposarcoma cells. 2018 , 18, 4571-4576	1
46	3D chromatin organization changes modulate adipogenesis and osteogenesis.	0

45	Bone marrow adiposity during pathologic bone loss: molecular mechanisms underlying the cellular events. 2021 , 100, 167		1
44	Actin up in the Nucleus: Regulation of Actin Structures Modulates Mesenchymal Stem Cell Differentiation. 2017 , 128, 180-192		5
43	Effect of TEAD4 on multilineage differentiation of muscle-derived stem cells. 2018 , 10, 998-1011		4
42	New Approaches to Assess Mechanisms of Action of Selective Vitamin D Analogues. 2021 , 22,		0
41	Histone deacetylase inhibitor overrides the effect of soft hydrogel on the mechanoreponse of human mesenchymal stem cells.		
40	Genetics and Epigenetics of Bone Remodeling and Metabolic Bone Diseases.. 2022 , 23,		4
39	FGFR2 accommodates osteogenic cell fate determination in human mesenchymal stem cells.. 2022 , 146199		0
38	Architectural control of mesenchymal stem cell phenotype through nuclear actin.. 2022 , 13, 35-48		
37	Macrophages and Bone Marrow-Derived Mesenchymal Stem Cells Work in Concert to Promote Fracture Healing: A Brief Review.. 2022 ,		1
36	Vitamin D and Its Target Genes.. 2022 , 14,		6
35	Periosteal Skeletal Stem Cells and Their Response to Bone Injury.. 2022 , 10, 812094		0
34	Lysine-Specific Demethylase 1 (LSD1) epigenetically controls osteoblast differentiation.. <i>PLoS ONE</i> , 2022 , 17, e0265027	3.7	2
33	Müller glia fused with adult stem cells undergo neural differentiation in human retinal models.. <i>EBioMedicine</i> , 2022 , 77, 103914	8.8	0
32	Metabolic and Transcriptional Changes across Osteogenic Differentiation of Mesenchymal Stromal Cells.. <i>Bioengineering</i> , 2021 , 8,	5.3	1
31	Inhibition of class I HDACs preserves hair follicle inductivity in postnatal dermal cells.. <i>Scientific Reports</i> , 2021 , 11, 24056	4.9	0
30	CHD7 regulates bone-fat balance by suppressing PPAR- β signaling.. <i>Nature Communications</i> , 2022 , 13, 1989	17.4	0
29	Data_Sheet_1.PDF. 2020 ,		
28	The role of Trithorax family regulating osteogenic and Chondrogenic differentiation in mesenchymal stem cells.. <i>Cell Proliferation</i> , 2022 , e13233	7.9	

27	Emerging Paradigms in Bioengineering the Lungs. <i>Bioengineering</i> , 2022 , 9, 195	5.3	1
26	The Emerging Roles and Therapeutic Implications of Epigenetic Modifications in Ovarian Cancer. <i>Frontiers in Endocrinology</i> , 2022 , 13,	5.7	
25	Diabetic oxidative stress-induced telomere damage aggravates periodontal bone loss in periodontitis.. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 614, 22-28	3.4	1
24	The Multiple Effects of Vitamin D against Chronic Diseases: From Reduction of Lipid Peroxidation to Updated Evidence From Clinical Studies. <i>Antioxidants</i> , 2022 , 11, 1090	7.1	0
23	Lineage-specific rearrangement of chromatin loops and epigenomic features during adipocytes and osteoblasts commitment.		2
22	The skeleton in a physical world. 153537022211138		1
21	Construction of the prognostic enhancer RNA regulatory network in osteosarcoma. 2022 , 25, 101499		
20	miR-103-3p regulates the differentiation of bone marrow mesenchymal stem cells in myelodysplastic syndrome. 2023 , 47, 133-141		0
19	Anti-Osteoporosis Effects of the Fruit of Sea Buckthorn (<i>Hippophae rhamnoides</i>) through Promotion of Osteogenic Differentiation in Ovariectomized Mice. 2022 , 14, 3604		1
18	Rapid genomic changes by mineralotropic hormones and kinase SIK inhibition drive coordinated renal <i>Cyp27b1</i> and <i>Cyp24a1</i> expression via CREB modules. 2022 , 102559		1
17	Histone H3K9 demethylase JMJD2B/KDM4B promotes osteogenic differentiation of bone marrow-derived mesenchymal stem cells by regulating H3K9me2 on RUNX2. 10, e13862		0
16	lncRNA ZNF710-AS1 Acts as a ceRNA for miR-146a-5p and miR-146b-5p to Accelerate Osteogenic Differentiation of PDLSCs by Upregulating the BMP6/Smad1/5/9 Pathway. 2022 , 31, 231-244		1
15	Maternal inappropriate calcium intake aggravates dietary-induced obesity in male offspring by affecting the differentiation potential of mesenchymal stem cells. 14, 756-776		0
14	MSCs vs. iPSCs: Potential in therapeutic applications. 10,		2
13	ID1 and CEBPA coordinate epidermal progenitor cell differentiation. 2022 , 149,		0
12	Biologic effects of biosynthesized <i>Oroxylum indicum</i> /silver nanoparticles on human periodontal ligament stem cells. 2023 , 9, 100117		0
11	Molecular Features of the Mesenchymal and Osteoblastic Cells in Multiple Myeloma. 2022 , 23, 15448		1
10	Improved Protocol to Study Osteoblast and Adipocyte Differentiation Balance. 2023 , 11, 31		1

- 9 Vascular calcification: Molecular mechanisms and therapeutic interventions. **2023**, 4, 2
- 8 Management of Obesity and Obesity-Related Disorders: From Stem Cells and Epigenetics to Its Treatment. **2023**, 24, 2310 ○
- 7 Epigenetic signatures that maintain stemness in pluripotent and mesenchymal stem cells. **2023**, 99-122 ○
- 6 Emerging RUNX2-Mediated Gene Regulatory Mechanisms Consisting of Multi-Layered Regulatory Networks in Skeletal Development. **2023**, 24, 2979 ○
- 5 Epigenetic regulation during 1,25-dihydroxyvitamin D3-dependent gene transcription. **2023**, 51-74 ○
- 4 Cellular senescence in normal and adverse pregnancy. **2023**, 23, 100734 ○
- 3 Circulating MiRNA-21-enriched extracellular vesicles promote bone remodeling in traumatic brain injury patients. **2023**, 55, 587-596 ○
- 2 Regulatory mechanisms of GCN5 in osteogenic differentiation of MSCs in periodontitis. ○
- 1 Regulatory landscape of Runx2 and Sp7 in osteoblast and chondrocyte lineages: Recent findings from next-generation sequencer-based studies. ○