

# mTOR signaling in skeletal development and disease

Bone Research

6, 1

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Treacher Collins syndrome 3 (TCS3)-associated POLR1C mutants are localized in the lysosome and inhibits chondrogenic differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 78-85.	1.0	3
2	Rapamycin rescues BMP mediated midline craniosynostosis phenotype through reduction of mTOR signaling in a mouse model. <i>Genesis</i> , 2018, 56, e23220.	0.8	13
3	Mineral and Bone Disease in Kidney Transplant Recipients. <i>Current Osteoporosis Reports</i> , 2018, 16, 703-711.	1.5	16
4	Osteocyteâ€™intrinsic mTORC1 signaling restrains trabecular bone accrual in mice. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 8743-8749.	1.2	7
5	The Spectrum of Fundamental Basic Science Discoveries Contributing to Organismal Aging. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1568-1584.	3.1	54
6	Targeting mTOR as a Therapeutic Approach in Medulloblastoma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1838.	1.8	13
7	DEPTOR regulates osteogenic differentiation via inhibiting MEG3-mediated activation of BMP4 signaling and is involved in osteoporosis. <i>Stem Cell Research and Therapy</i> , 2018, 9, 185.	2.4	52
8	Challenges of heterotopic ossificationâ€™Molecular background and current treatment strategies. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 1229-1235.	0.9	38
9	The L-type amino acid transporter LAT1 inhibits osteoclastogenesis and maintains bone homeostasis through the mTORC1 pathway. <i>Science Signaling</i> , 2019, 12, .	1.6	23
10	S1P-S1PR1 Signaling: the â€™Sphinxâ€™in Osteoimmunology. <i>Frontiers in Immunology</i> , 2019, 10, 1409.	2.2	35
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12	mTORC1 Activation in Osteoclasts Prevents Bone Loss in a Mouse Model of Osteoporosis. <i>Frontiers in Pharmacology</i> , 2019, 10, 684.	1.6	20
13	Elevated levels of 15-lipoxygenase-1 contribute to the abnormal phenotypes of osteoblasts in human osteoarthritis. <i>Life Sciences</i> , 2019, 239, 116980.	2.0	2
14	Transcriptomic landscape regulated by the 14 types of bone morphogenetic proteins (BMPs) in lineage commitment and differentiation of mesenchymal stem cells (MSCs). <i>Genes and Diseases</i> , 2019, 6, 258-275.	1.5	58
15	Prematurity blunts the feeding-induced stimulation of translation initiation signaling and protein synthesis in muscle of neonatal piglets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E839-E851.	1.8	15
16	Autophagy in bone homeostasis and the onset of osteoporosis. <i>Bone Research</i> , 2019, 7, 28.	5.4	125
17	Metabolic reprogramming in osteoclasts. <i>Seminars in Immunopathology</i> , 2019, 41, 565-572.	2.8	90
18	Characterizationâ€™ofâ€™Cre recombinaseâ€™ mouseâ€™lines enabling cell typeâ€™specific targeting of postnatal intervertebral discs. <i>Journal of Cellular Physiology</i> , 2019, 234, 14422-14431.	2.0	21

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19	Sweroside-mediated mTORC1 hyperactivation in bone marrow mesenchymal stem cells promotes osteogenic differentiation. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 16025-16036.	1.2	22
20	Osteocyte TSC1 promotes sclerostin secretion to restrain osteogenesis in mice. <i>Open Biology</i> , 2019, 9, 180262.	1.5	15
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112	Bone Cell Exosomes and Emerging Strategies in Bone Engineering. <i>Biomedicines</i> , 2022, 10, 767.	1.4	11
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162	Case Report: Everolimus reduced bone turnover markers but showed no clinical benefit in a patient with severe progressive osseous heteroplasia. <i>Frontiers in Pediatrics</i> , 0, 10, .	0.9	0
163	Auricular cartilage regeneration using different types of mesenchymal stem cells in rabbits. <i>Biological Research</i> , 2022, 55, .	1.5	2
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