

## PEER-REVIEWED PUBLICATIONS:

1. **Yongmei Wang**, Ling Chen, Misun Kang, Lin Ling, Faming Tian, Sun Hee Won-Kim, Sunita Ho and Daniel D. Bikle The fracture callus is formed by progenitors of different skeletal origins in a site specific manner JBMR Plus 2019 Nov; 3 (9)
2. Scott Mason, **Yongmei Wang**, Wenhan Chang and Daniel D. Bikle Myosin1a Regulates Osteoblasts Differentiation Independent of Intestinal Calcium Transport 2019 J Endocr Soc. Aug; 12(3): 1993-2011
3. **Yongmei Wang**, Alicia Menendez, Chak Fong, Hashem Z. ElAlieh, Takuo Kubota, Roger K.Long and Daniel D. Bikle IGF-I Signaling in Osterix-Expressing Cells Regulates Secondary Ossification Center Formation, Growth Plate Maturation, and Metaphyseal Formation During Postnatal Bone Development J Bone Miner Res. 2015 Dec;30(12):2239-48
4. Tao Wang, **Yongmei Wang**, Alicia Menendez, Chak Fong, Muriel Babey, Candice CG. Tahimic, Zhiqiang Cheng, Alfred Li, Wenhan Chang and Daniel D. Bikle Osteoblast-Specific Loss of IGF1R Signaling Results in Impaired Endochondral Bone Formation During Fracture Healing J Bone Miner Res. 2015 Sep; (9): 1572-84
5. Muriel Babey, **Yongmei Wang**, Takuo Kubota, Chak Fong, Alicia Menendez, Hashem Z. Elalieh, Daniel D. Bikle Gender-Specific Differences in the Skeletal Response to Continuous PTH in Mice Lacking IGF1 Receptor in Mature Osteoblasts J Bone Miner. Res. 2015 Jun; 30(6): 1064-76
6. **Yongmei Wang**, Alicia Menendez, Chak Fong, Hashem Z. ElAlieh , Wenhan Chang and DanielD. Bikle Ephrin B2/EphB4 Mediates the Actions of IGF-I Signaling in Regulating Endochondral Bone Formation J Bone Miner Res. 2014 Aug;29 (8):1900-13
7. Kubota T, Elalieh HZ, Saless N, Fong C, **Wang Y**, Babey M, Cheng Z, Bikle DD Insulin-like growth factor-1 receptor in mature osteoblasts is required for periosteal bone formation induced by reloading. Acta Astronautica 2013 Nov; 92 (1):73-78
8. **Yongmei Wang**, Zhiqiang Cheng, Eiichiro Nakamura, Minh-Thanh Nguyen , Hashem Z. ElAlieh, Susan Mackem, Thomas L Clemens, Daniel D.Bikle, and Wenhan Chang IGF-1R Signaling in Chondrocytes Modulates Growth Plate Development by Interacting with the PTHrP/Ihh Pathway. J Bone Miner Res. 2011 July; 26 (7):1437-46
9. Roger K. Long, Shigeki Nishida, Takuo Kubota, **Yongmei Wang**, Takeshi Sakata, Hashem Z. Elalieh, Bernard P. Halloran and Daniel D Bikle Skeletal unloading-induced insulin-like growth factor 1 (IGF-1) nonresponsiveness is not shared by platelet-derived growth factor: the selective role of integrins in IGF-1 signaling. J Bone Miner Res 2011 Dec; 26 (12): 2948-58
10. Burghardt AJ, **Wang Y**, Elalieh H, Thibault X, Peyrin F, Majumdar S Evaluation of fetal bone structure and mineralization in IGF-I deficient mice using

synchrotron radiation microtomography and Fourier transform infrared spectroscopy. *Bone* 2007 Jan; 40(1):160-8

11. Boudignon BM, Bikle DD, Kurimoto P, Elalieh H, Nishida S, **Wang Y**, Burghardt A, Majumdar S, Orwoll BE, Rosen C, Halloran BP Insulin-like Growth Factor-I Stimulates Recovery of Bone Lost after a Period of Skeletal Unloading *J Appl Physiol* 2007 Jul; 103 (1) 125-31
12. **Yongmei Wang**, Shigeki Nishida, Benjamin M. Boudignon, Andrew Burghardt, Hashem Z. Elalieh, Michelle M. Hamilton, Sharmila Majumdar, Bernard P. Halloran, Thomas L. Clemens and Daniel D. Bikle The IGF-I Receptor Is Required for the Anabolic Actions of Parathyroid Hormone on Bone. *J Bone Miner Res.* 2007 Sep; 22 (9): 1329-37
13. **Yongmei Wang**, Shigeki Nishida, Takeshi Sakata, Hashem Z. Elalieh, Wenhan Chang, Bernard P. Halloran, Steven B. Doty and Daniel D. Bikle Insulin-Like Growth Factor-I Is Essential for Embryonic Bone Development. *Endocrinology.* 2006 Oct;147(10):4753-61
14. **Yongmei Wang**, Shigeki Nishida, Hashem Z. Elalieh, Roger K Long, Bernard P Halloran and Daniel D Bikle. Role of IGF-I signaling in regulating osteoclastogenesis. *J Bone Miner Res.* 2006 Sep; 21(9):1350-8
15. **Yongmei Wang**, Takeshi Sakata, Hashem Z. Elalieh, Scott J. Munson, Andrew Burhardt, Sharmila Majumdar, Bernard P. Halloran and Daniel D. Bikle Gender Differences in the Response of CD-1 Mouse Bone to Parathyroid Hormone: Potential role of IGF-I. *J Endocrinol* 2006 May;189(2):279-87
16. Takeshi Sakata, **Yongmei Wang**, Bernad P. Halloran, Hashem Z. Elalieh, Jay Cao, and Daniel D. Bikle Skeletal Unloading Induces Resistance to Insulin-Like Growth Factor-I (IGF-I) by Inhibiting Activation of the IGF-I Signaling Pathways, *J Bone Miner Res* 2004 Mar;19(3):436-46

## REVIEWS

1. **Wang Y**, Bikle DD, Chang W Autocrine and Paracrine Actions of IGF-I Signaling in Skeletal Development. *Bone Research* 2013 3:249-259 (Review)
2. Tahimic CG, **Wang Y** and Bikle DD, Anabolic effects of IGF-1 signaling on the skeleton. *Front Endocrinol (Lausanne)* 2013 4: 6 (Review)
3. Daniel D Bikle, **Yongmei Wang** Insulin like growth factor-I: a critical mediator of the skeletal response to parathyroid hormone. *Curr Mol Pharmacol.* 2012 Jun;5(2):135-42. (Review)
4. Daniel D. Bikle and **Yongmei Wang** Insulin-like Growth Factor-I and Bone *IBMS BoneKEY.* 2011 July;8(7):328-341 (Review)

## CASE REPORTS

1. Kim SJ, Peluso MJ, **Wang Y**, Bikle D, Shoback D, Kim S. Rapid onset of hypercalcemia from high-grade lymphoma in the setting of HIV-related immune reconstitution inflammatory syndrome. *Bone Rep.* 2018 Dec 28

2. Bikle DD, Patzek S, **Wang Y**. Physiologic and pathophysiologic roles of extra renal CYP27b1: Case report and review. *Bone Rep.* 2018 Feb 26;8:255-267
3. Shah AD, Hsiao EC, O'Donnell B, Salmeen K, Nussbaum R, Krebs M, Baumgartner-Parzer S, Kaufmann M, Jones G, Bikle DD, **Wang Y**, Mathew AS, Shoback D, Block-Kurbisch I. Maternal Hypercalcemia Due to Failure of 1,25-Dihydroxyvitamin-D3 Catabolism in a Patient With CYP24A1 Mutations. *J Clin Endocrinol Metab.* 2015 Aug;100(8):2832-6
4. Hindi SM, **Wang Y**, Jones KD, Nussbaum JC, Chang Y, Masharani U, Bikle D, Shoback DM, Hsiao ECA Case of Hypercalcemia and Overexpression of CYP27B1 in Skeletal Muscle Lesions in a Patient with HIV Infection After Cosmetic Injections with Polymethylmethacrylate (PMMA) for Wasting. *Calcif Tissue Int.* 2015 Dec;97(6):634-9