

Curriculum Vitae

Toshiyuki Yoneda

Professor Emeritus, DDS, PhD
Department of Biochemistry, Osaka University Graduate School of Dentistry



● Educational Background

1976 Ph.D., Osaka University Graduate School of Dentistry
1972 D.D.S., Osaka University School of Dentistry

● Professional Experience

2017–Present Editor-in-Chief, Journal of Bone and Mineral Metabolism
2012–Present Professor Emeritus, Osaka University Graduate School of Dentistry
2012–2019 Senior Research Professor, Indiana University School of Medicine
2009–2013 Board Chairman of the Japanese Society for Bone and Mineral Research
2007–2011 Dean, Osaka University Graduate School of Dentistry
2005–2011 Member of the Science Council of Japan
1997–2012 Professor & Chairman, Osaka University Graduate School of Dentistry
1995–2009 Professor, Univ TX Hlth Sci Ctr at San Antonio
1992–1993 Professor & Chairman, Tokyo Medical and Dental University

● Research Interests

My major research interest has been the mechanism of cancer metastasis to the bone with a long-term goal of the development of mechanism-based specific treatments for bone metastasis. Further, over the last 20 years, he has been also studying the molecular mechanism of bone pain due to cancer colonization in bone.

● Publications

1. Yoneda T, Hagino H, Sugimoto T, Ohta H, Takahashi S, Soen S, Taguch A, Nagata T, Urade M, Shibahara T, Toyosawa S. Antiresorptive agent-related osteonecrosis of the jaw: Position Paper 2017 of the Japanese Allied Committee on Osteonecrosis of the Jaw. *J Bone Miner Metab* 35 (1):6-19, 2017, DOI 10.1007/s00774-017-0816-9.
2. Hiasa M, Okui T, Allette YM, Ripsch MS, Sun-Wada G-H, Wakabayashi H, Roodman GD, White FA, Yoneda T. Bone pain induced by multiple myeloma is reduced by targeting V-ATPase and ASIC3. *Cancer Res* 77 (6):1283-1295, doi: 10.1158/0008-5472.CAN-15-3545. Epub 2017 Mar 2. PMID: 28254863.
3. Yoneda T, Hiasa M, Okui T, Hata K. Sensory nerves: A driver of the vicious cycle in bone metastasis? *J Bone Oncol*. 2021 Aug 25;30:100387. doi: 10.1016/j.jbo.2021.100387. eCollection 2021 Oct. PMID: 34504741.
4. Ishihara S, Hata K, Hirose K, Okui T, Toyosawa S, Uzawa N, Nishimura R, Yoneda T. The lactate sensor GPR81 regulates glycolysis and tumor growth of breast cancer. *Sci Report* 2022 Apr 15;12(1):6261. doi: 10.1038/s41598-022-10143-w. PMID: 35428832.
5. Okui T, Hiasa M, Hasegawa K, Nakamura T, Ono K, Ibaragi S, Kanno T, Sasaki S, Yoneda T. Lactate secreted via MCT4 from bone-colonizing breast cancer excites sensory neurons via GPR81. *Int J Oncol*. 2023 Mar; 62 (3): 39. doi: 10.3892/ijco.2023.5487 PMID: PMC9946803.