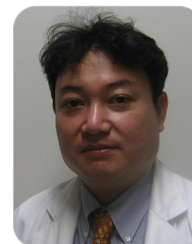


Curriculum Vitae

Takeshi Miyamoto

Professor

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● Educational Background & Professional Experience

2019–	Department of Orthopedic Surgery, Kumamoto University, Professor
2008–2019	Department of Orthopedic Surgery, Keio University, School of Medicine Associate Professor
2006–2008	Department of Orthopedic Surgery, Keio University, School of Medicine Lecturer
2004–2006	Department of Orthopedic Surgery, Keio University, School of Medicine Assistant Professor
2001–2004	Kumamoto University/Keio University School of Medicine, Fellow
1997–2001	Kumamoto University Graduate Student
1994–1997	Kumamoto University Hospital Orthopedic Surgeon
1988–1994	Kumamoto University School of Medicine Undergraduate Student

● Research Interests

Orthopedic Surgery, Spine surgery, Osteoporosis, bone metabolism

● Publications

1. Ito E, Sato Y, Kobayashi T, Soma T, Matsumoto T, Kimura A, Miyamoto K, Matsumoto H, Matsumoto M, Nakamura M, Sato K, Miyamoto T. Transient alendronate administration to pregnant or lactating mothers prevents bone loss in mice without adverse effects on offspring. *Bone*. 2021 Jul 28;153:116133. doi: 10.1016/j.bone.2021.116133.
2. Miyamoto K, Hirayama A, Sato Y, Ikeda S, Maruyama M, Soga T, Tomita M, Nakamura M, Matsumoto M, Yoshimura N, Miyamoto T. A Metabolomic Profile Predictive of New Osteoporosis or Sarcopenia Development. *Metabolites*. 2021 Apr 28;11(5):278. doi: 10.3390/metabo11050278.
3. Kobayashi H, Nakamura S, Sato Y, Kobayashi T, Miyamoto K, Oya A, Matsumoto M, Nakamura M, Kanaji A, Miyamoto T. ALDH2 mutation promotes skeletal muscle atrophy in mice via accumulation of oxidative stress. *Bone*. 2020 Nov 11:115739. doi: 10.1016/j.bone.2020.115739. Online ahead of print.
4. Miyauchi Y, Sato Y, Kobayashi T, Yoshida S, Mori T, Kanagawa H, Katsuyama E, Fujie A, Hao W, Miyamoto K, Tando T, Morioka H, Matsumoto M, Chambon P, Johnson RS, Kato S, Toyama Y, Miyamoto T. HIF1 α is required for osteoclast activation by estrogen deficiency in postmenopausal osteoporosis. *Proc Natl Acad Sci U S A*. 2013 Oct 8;110(41):16568–73.
5. Yagi M, Miyamoto T, Sawatani Y, Iwamoto K, Hosogane N, Fujita N, Morita K, Ninomiya K, Suzuki T, Miyamoto K, Oike Y, Takeya M, Toyama Y, and Suda T. DC-STAMP is essential for cell–cell fusion in osteoclasts and foreign body giant cells. *J. Exp. Med*. 2005 Aug 1;202(3):345–51.