

Curriculum Vitae / Young Jae Moon, M.D., Ph.D.

Young Jae Moon, M.D., Ph.D.

Department of Biochemistry, Jeonbuk National University Medical School

Department of Orthopaedic Surgery, Jeonbuk National University Hospital

AFFILIATIONS

Department of Biochemistry, Jeonbuk National University Medical School

Department of Orthopaedic Surgery, Jeonbuk National University Hospital

EDUCATION

- 2009

Medical Doctor, Medicine, Jeonbuk National University Medical School

- 2013

Master's degree, Orthopaedic Surgery, Departments of Orthopaedic Surgery, Jeonbuk National University Medical School

- 2018

Ph.D., Biochemistry, Departments of Biochemistry, Jeonbuk National University Medical School

Certified by the Republic of Korea Board of Orthopaedic Surgery

PROFESSIONAL EXPERIENCE

Assistant Professor, 2020 – present

Department of Biochemistry and Molecular Biology, Jeonbuk National University Medical School

Fellow, - 2019

Jeonbuk National University Hospital Orthopaedic Surgery

Residency Training, 2010–2013

Orthopaedic Surgery, Jeonbuk National University Hospital Orthopaedic Surgery

Internship, -2009

Jeonbuk National University Hospital, Jeonju, Jeonbuk

CERTIFICATION

Certified by the Republic of Korea Board of Orthopaedic Surgery

PUBLICATION LIST

- 1) Expression of IL4R α and IL13R α 1 are associated with poor prognosis of soft-tissue sarcoma of the extremities, superficial trunk, and retroperitoneum. *Diagn Pathol* ;16(1):2, 2021
- 2) β -Cyclodextrin/Triclosan Complex-Grafted Methacrylated Glycol Chitosan Hydrogel by Photocrosslinking via Visible Light Irradiation for a Tissue Bio-Adhesive. *Int J Mol Sci*;22(2):700, 2021
- 3) Translation step-cut osteotomy for posttraumatic Cubitus Varus in adults: a retrospective study. *BMC Musculoskelet Disord* ;21(1):820, 2020
- 4) Inhibition of SIRT6 potentiates the anti-tumor effect of doxorubicin through suppression of the DNA damage repair pathway in osteosarcoma. *J Exp Clin Cancer Res* ;39(1):247, 2020
- 5) Osteoblasts/Osteocytes sirtuin6 Is Vital to Preventing Ischemic Osteonecrosis Through Targeting VDR-RANKL Signaling. *J Bone Miner Res.* 2020 In press
- 6) Tussiligone promotes osteoclast apoptosis and prevents estrogen deficiency-induced osteoporosis in mice. *Biochem Biophys Res Commun* ;531(4):508-514, 2020

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- 7) Is it necessary to remove syndesmotic screw before weight-bearing ambulation? *Medicine (Baltimore)* ;99(11):e19436, 2020
- 8) Metformin coordinates osteoblast/osteoclast differentiation associated with ischemic osteonecrosis. *Aging (Albany NY)* ;12(6):4727-4741, 2020
- 9) Sirtuin 6 in preosteoclasts suppresses age- and estrogen deficiency-related bone loss by stabilizing estrogen receptor α . *Cell Death Differ* ;26(11):2358-2370, 2019
- 10) SPA0355 prevents ovariectomy-induced bone loss in mice. *Korean J Physiol Pharmacol* 23(1):47-54, 2019
- 11) Myeloid cell-specific sirtuin 6 deficiency delays wound healing in mice by modulating inflammation and macrophage phenotypes. *Exp Mol Med*;51(4):1-10, 2019
- 12) Doxorubicin-Hydrochloride/Cisplatin-Loaded Hydrogel/Nanosized (2-Hydroxypropyl)-Beta-Cyclodextrin Local Drug-Delivery System for Osteosarcoma Treatment In Vivo. *Nanomaterials (Basel)* ;9(12):1652, 2019
- 13) FAM83H is involved in stabilization of β -catenin and progression of osteosarcomas. *J Exp Clin Cancer Res* ;38(1):267, 2019
- 14) Osterix regulates corticalization for longitudinal bone growth via integrin β 3 expression. *Exp Mol Med* ;50(7):1-11, 2018
- 15) The PARP inhibitor olaparib potentiates the effect of the DNA damaging agent doxorubicin in osteosarcoma. *J Exp Clin Cancer Res* ;37(1):107, 2018
- 16) Interferon β protects against avascular osteonecrosis through interleukin 6 inhibition and silent information regulator transcript-1 upregulation. *Oncotarget* ;9(3):3562-3575, 2017

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- 17) Overexpression of SIRT1 prevents hypoxia induced apoptosis in osteoblast cells. *Mol Med Rep* ;16(3):2969-2975, 2017
- 18) Posttraumatic Tibiofibular Synostosis After Treatment of Distal Tibiofibular Fractures in Children. *J Pediatr Orthop* ;37(8):532-536, 2017
- 19) Extra-Articular Soft-Tissue Calcification After Burn Injury: A Case Study. *J Burn Care Res.* 2017 Jun 28
- 20) An Anesthesia, Surgery, and Harvest Method for the Evaluation of Transpedicular Screws Using an In Vivo Porcine Lumbar Spine Model. *J Vis Exp* ;(123), 2017
- 21) Individual and Combined Expression of DNA Damage Response Molecules PARP1, γ H2AX, BRCA1, and BRCA2 Predict Shorter Survival of Soft Tissue Sarcoma Patients. *PLoS One* ;11(9):e0163193, 2016
- 22) Smad4 controls bone homeostasis through regulation of osteoblast/osteocyte viability. *Exp Mol Med* ;48(9):e256. 2016
- 23) Maturation of cortical bone suppresses periosteal osteoprogenitor proliferation in a paracrine manner. *J Mol Histol* ;47(5):445-53, 2016
- 24) Relationship Between Clinical Outcomes and Spontaneous Canal Remodeling in Thoracolumbar Burst Fracture. *World Neurosurg* ;89:58-64, 2016
- 25) Relationship Between Percutaneous Procedures and Lumbar Infections Based on Data From The National Health Insurance Review & Assessment Service of Korea. *Clin Spine Surg* ;29(1):E55-60, 2016