Symposium 2

11:35-12:00 | Room 2

Advances in Bone Research: Signaling Pathways of Osteoblasts

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Professor

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Educational Background & Professional Experience

2015-Present	Professor, Division of Endocrinology and Metabolism, Department of Internal Medicine, Jeonbuk National University Medical School
2003-2015	Full-time Instructor, Assistant Professor, and Associate Professor, Division of Endocrinology and Metabolism, Department of Internal

Medicine, Jeonbuk National University Medical School

2008.08–2010.07 Postdoctoral Fellow, Tufts University School of Medicine, Boston, USA

2000–2003 Clinical Fellow and Clinical Professor, Division of Endocrinology and Metabolism, Department of Internal Medicine, Jeonbuk National University Hospital

2001 Ph.D., Jeonbuk National University Medical School 1995 M.D., Jeonbuk National University Medical School

Research Interests

Glucocorticoid signaling, Bone metabolism, Lipid metabolism

Publications

- 1. Shen C, Oh HR, Park YR, Oh S, Park JH. Soluble DPP4 promotes hepatocyte lipid accumulation via SOX2–SCD1 signaling and counteracts DPP4 inhibition. Biochem Biophys Res Commun. 2025 Apr 5;756:151521. doi:10.1016/j.bbrc.2025.151521.
- 2. Shen C, Oh HR, Park YR, Chen JH, Park BH, Park JH. Interaction between p21–activated kinase 4 and β–catenin as a novel pathway for PTH–dependent osteoblast activation. J Cell Physiol. 2024 Jun;239(6):e31245. doi:10.1002/jcp.31245.
- 3. Kang MG, Lee CH, Shen C, Kim JS, Park JH. Longitudinal changes in fatty liver index are associated with risk of hepatocellular carcinoma: A nationwide cohort study in Korea. J Hepatol. 2024 May;80(5):e216–e218. doi:10.1016/j.jhep.2023.09.036.
- 4. Chen JH, Shen C, Oh HR, Park JH. Glucocorticoids inhibit the maturation of committed osteoblasts via SOX2. J Mol Endocrinol. 2022 Apr 22;68(4):195–207. doi:10.1530/JME-21-0213.
- 5. Chen JH, Shen C, Oh H, Park JH. Exendin–4, a glucagon–like peptide–1 receptor agonist, facilitates osteoblast differentiation via connexin43. Endocrine. 2021 Jun;72(3):672–680. doi:10.1007/s12020–021–02664–7.

Curriculum Vitae

