Major Publications 2026

Han T, Gao J, Wu W, Nakatomi M, Nakamura I, Honda H, Tsukamoto S, Katagiri T, Jimi E. Loss of p130Cas/Bcar1 impairs palatal mesenchymal expansion and causes cleft palate. ***Sci Rep.*** 2026 Jul 16. doi: 10.1038/s41598-026-62028-x. PMID: 42463749.

Rezwana R, Hiura F, Li A, Zhuo Y, Kuratani M, Tsukamoto S, Katagiri T, Jimi E. Osteoblast-specific deletion of NF-κB p65 enhances trabecular bone formation and BMP-2-induced osteogenesis in mice. ***Bone.*** 2026 Oct;211:117992. doi:10.1016/j.bone.2026.117992. PMID: 42362100.

Kuratani M, Tsukamoto S, Hamai R, Tsuchiya K, Suzuki O, Yamada T, Katagiri T. In vivo mouse model of calcific myonecrosis induced by injury. ***PLoS One.*** 2026 Apr 22;21(4):e0346816. doi: 10.1371/journal.pone.0346816. PMID: 42018556; PMCID: PMC13102222.

Suzuki S, Ikeda K, Takeiwa T, Horie K, Inoue S. Mitochondrial respiratory supercomplexes associated with longevity in mammals. ***Front Aging.*** 2026 Jul 29;7:1876149. doi: 10.3389/fragi.2026.1876149. PMID: 42591355; PMCID: PMC13461795.

Sato M, Tanabu D, Torigoe D, Kadomatsu T, Taniwaka K, Ogata Y, Shiiba I,Suzuki Y, Ito N, Inatome R, Tokuyama T, Takeiwa T, Inoue S, Kanai E, Hamano T, Hirata H, Kanamitsu K, Kusuhara H, Yokosuka A, Mimaki Y, Abe H, Oike Y, Yanagi S. Mitorubin, berberrubine-based compounds that improve mitochondrial function, exhibit cardioprotective effects against age-related cardiac dysfunction. ***NPJAging.*** 2026 Mar 20;12(1):56. doi: 10.1038/s41514-026-00366-w. PMID: 41862479; PMCID: PMC13091788.

Iwabuchi E, Suzuki T, Ikeda K, Shibuya Y, Shigeta S, Shimada M, Horie K, Inoue S. Immunoreactivities of ZCCHC3 and Efp in the High-Grade Serous and Clear Cell Ovarian Carcinomas Are Worse Prognostic Factors. ***Pathol Int.*** 2026 Feb;76(2):e70096. doi: 10.1111/pin.70096. PMID: 41693303.

Kamada S, Kitayama S, Yamase R, Ikeda K, Sato W, Sazuka T, Takeshita H, Sakamoto S, Yano A, Horie K, Ichikawa T, Kawakami S, Inoue S. Prognostic Impact of DPP4 Inhibitors on Systemic Drug Therapy for Advanced Kidney Cancer Patients. ***Cancer Sci.*** 2026 Feb;117(2):468-475. doi: 10.1111/cas.70250. PMID: 41258977; PMCID: PMC12861088.

Ikeda K, Shiba S, Yokoyama M, Fujimoto M, Horie K, Tanaka T, Inoue S. Mitochondrial Respiratory Supercomplex Assembly Factor COX7RP Contributes to Lifespan Extension in Mice. ***Aging Cell.*** 2026 Jan;25(1):e70294. doi:10.1111/acel.70294. PMID: 41253741; PMCID: PMC12740103.