

Major Publications 2023

Kobayashi A, Azuma K, Takeiwa T, Kitami T, Horie K, Ikeda K, Inoue S. A FRET-based respirasome assembly screen identifies spleen tyrosine kinase as a target to improve muscle mitochondrial respiration and exercise performance in mice. **Nat Commun.** 2023 Jan 25;14(1):312. doi: 10.1038/s41467-023-35865-x. PMID:36697396; PMCID: PMC9877034.

Yoh K, Ikeda K, Horie K, Inoue S. Roles of Estrogen, Estrogen Receptors, and Estrogen-Related Receptors in Skeletal Muscle: Regulation of Mitochondrial Function. **Int J Mol Sci.** 2023 Jan 17;24(3):1853. doi: 10.3390/ijms24031853. PMID: 36768177; PMCID: PMC9916347.

Miyama Y, Kanao K, Uranishi K, Hirasaki M, Yasuda M. Complete response to pembrolizumab in a patient with recurrent and metastatic urothelial bladder carcinoma reflecting coexisting sarcomatoid subtype and glandular differentiation: a case report. **Int Cancer Conf J.** 2022 Aug 6;12(1):24-30. doi: 10.1007/s13691-022-00568-5. PMID: 36605848; PMCID: PMC9807710.

Inoue H, Hirasaki M, Kogashiwa Y, Nakachi Y, Kuba K, Ebihara Y, Nakahira M, Yasuda M, Okuda A, Sugasawa M. Identification of novel oncogenes in oral cancer among elderly nonsmokers. **Clin Exp Dent Res.** 2023 Aug;9(4):711-720. doi:10.1002/cre2.739. Epub 2023 Jun 5. PMID: 37272305; PMCID: PMC10441604.

Katagiri T, Tsukamoto S, Kuratani M, Tsuji S, Nakamura K, Ohte S, Kawaguchi Y, Takaishi K. A blocking monoclonal antibody reveals dimerization of intracellular domains of ALK2 associated with genetic disorders. **Nat Commun.** 2023 May 25;14(1):2960. doi: 10.1038/s41467-023-38746-5. Erratum in: Nat Commun.2023 Sep 28;14(1):6054. doi: 10.1038/s41467-023-41873-8. PMID: 37231012; PMCID:PMC10212922.

Mihara Y, Hirasaki M, Horita Y, Fujino T, Fukushima H, Kamakura Y, Uranishi K, Hirano Y, Ryozaawa S, Yasuda M, Makino Y, Shibazaki S, Hamaguchi T. PTEN-induced kinase 1 gene single-nucleotide variants as biomarkers in adjuvant chemotherapy for colorectal cancer: a retrospective study. **BMC Gastroenterol.** 2023 Oct 2;23(1):339. doi: 10.1186/s12876-023-02975-1. Erratum in: BMC Gastroenterol. 2023 Oct 31;23(1):373. doi: 10.1186/s12876-023-02994-y. Erratum in: BMC Gastroenterol. 2024 Feb 6;24(1):67. doi: 10.1186/s12876-024-03154-6. PMID: 37784019; PMCID: PMC10544379.

Tsukamoto S, Kuratani M, Tanaka S, Jimi E, Oda H, Katagiri T. Wnt7b expressed by hypertrophic chondrocytes is a stimulatory factor for endochondral ossification that is regulated by Smad4 activity. **Development**. 2023 Aug1;150(15): dev201734. doi: 10.1242/dev.201734. Epub 2023 Aug 4. PMID: 37539462.