

Major Publications 2022

Jimi E, Katagiri T. Critical Roles of NF- κ B signaling molecules in bone metabolism revealed by genetic mutations in osteopetrosis. *Int J Mol Sci*. 2022 Jul 20;23(14):7995. doi: 10.3390/ijms23147995. PMID: 35887342; PMCID: PMC9322175.

Kitamura Y, Suzuki A, Uranishi K, Nishimoto M, Mizuno S, Takahashi S, Okuda A. Alternative splicing for germ cell-specific Mga transcript can be eliminated without compromising mouse viability or fertility. *Dev Growth Differ*. 2022 Sep;64(7):409-416. doi: 10.1111/dgd.12806. Epub 2022 Sep 14. PMID: 36053973.

Horie K, Takagi K, Takeiwa T, Mitobe Y, Kawabata H, Suzuki T, Ikeda K, Inoue S. Estrogen-inducible lncRNA *BNAT1* functions as a modulator for estrogen receptor signaling in endocrine-resistant breast cancer cells. *Cells*. 2022 Nov 15;11(22):3610. doi: 10.3390/cells11223610. PMID: 36429038; PMCID: PMC9688125.

Kitayama S, Ikeda K, Sato W, Takeshita H, Kawakami S, Inoue S, Horie K. Testis-expressed gene 11 inhibits cisplatin-induced DNA damage and contributes to chemoresistance in testicular germ cell tumor. *Sci Rep*. 2022 Nov 1;12(1):18423. doi: 10.1038/s41598-022-21856-3. PMID: 36319719; PMCID: PMC9626550.

Yoh K, Ikeda K, Nagai S, Horie K, Takeda S, Inoue S. Constitutive activation of estrogen receptor α signaling in muscle prolongs exercise endurance in mice. *Biochem Biophys Res Commun*. 2022 Nov 5;628:11-17. doi: 10.1016/j.bbrc.2022.08.064. Epub 2022 Aug 26. PMID: 36063597.

Sato W, Ikeda K, Gotoh N, Inoue S, Horie K. Efp promotes growth of triple-negative breast cancer cells. *Biochem Biophys Res Commun*. 2022 Oct 8;624:81-88. doi: 10.1016/j.bbrc.2022.07.071. Epub 2022 Jul 30. PMID: 35940131.

Takeiwa T, Ikeda K, Suzuki T, Sato W, Iino K, Mitobe Y, Kawabata H, Horie K, Inoue S. PSPC1 is a potential prognostic marker for hormone-dependent breast cancer patients and modulates RNA processing of ESR1 and SCFD2. *Sci Rep*. 2022 Jun 9;12(1):9495. doi: 10.1038/s41598-022-13601-7. PMID: 35681031; PMCID: PMC9184599.

Kamada S, Takeiwa T, Ikeda K, Horie K, Inoue S. Emerging roles of COX7RP and mitochondrial oxidative phosphorylation in breast cancer. *Front Cell Dev Biol.* 2022 Feb 1;10:717881. doi: 10.3389/fcell.2022.717881. PMID: 35178385; PMCID: PMC8844363.

Ogura T, Azuma K, Takeiwa T, Sato J, Kinowaki K, Ikeda K, Kawabata H, Inoue S. TRIM39 is a poor prognostic factor for patients with estrogen receptor-positive breast cancer and promotes cell cycle progression. *Pathol Int.* 2022 Feb;72(2):96-106. doi: 10.1111/pin.13190. Epub 2021 Dec 8. PMID: 35174936.

Nagasawa S, Ikeda K, Shintani D, Yang C, Takeda S, Hasegawa K, Horie K, Inoue S. Identification of a novel oncogenic fusion gene *SPON1-TRIM29* in clinical ovarian cancer that promotes cell and tumor growth and enhances chemoresistance in A2780 cells. *Int J Mol Sci.* 2022 Jan 8;23(2):689. doi: 10.3390/ijms23020689. PMID: 35054873; PMCID: PMC8776205.