

Major Publications 2021

Shiba S, Ikeda K, Horie-Inoue K, Azuma K, Hasegawa T, Amizuka N, Tanaka T, Takeiwa T, Shibata Y, Koji T, Inoue S. Vitamin K-dependent γ -glutamyl carboxylase in sertoli cells is essential for male fertility in mice. **Mol Cell Biol.** 2021 Mar 24;41(4):e00404-20. doi: 10.1128/MCB.00404-20. PMID: 33526452; PMCID: PMC8088131.

Yang C, Ikeda K, Horie-Inoue K, Sato W, Hasegawa K, Takeda S, Itakura A, Inoue S. Transcriptomic analysis of hormone-sensitive patient-derived endometrial cancer spheroid culture defines Efp as a proliferation modulator. **Biochem Biophys Res Commun.** 2021 Apr 9;548:204-210. doi: 10.1016/j.bbrc.2021.02.066. Epub 2021 Feb 26. PMID: 33647797.

Kamada S, Namekawa T, Ikeda K, Suzuki T, Kagawa M, Takeshita H, Yano A, Okamoto K, Ichikawa T, Horie-Inoue K, Kawakami S, Inoue S. Functional inhibition of cancer stemness-related protein DPP4 rescues tyrosine kinase inhibitor resistance in renal cell carcinoma. **Oncogene.** 2021 Jun;40(22):3899-3913. doi:10.1038/s41388-021-01822-5. Epub 2021 May 10. PMID: 33972682.

Takeiwa T, Ikeda K, Horie-Inoue K, Inoue S. Mechanisms of Apoptosis-Related Long Non-coding RNAs in Ovarian Cancer. **Front Cell Dev Biol.** 2021 Apr 29;9:641963. doi: 10.3389/fcell.2021.641963.

Azuma K, Ikeda K, Suzuki T, Aogi K, Horie-Inoue K, Inoue S. TRIM47 activates NF- κ B signaling via PKC- ϵ /PKD3 stabilization and contributes to endocrine therapy resistance in breast cancer. **Proc Natl Acad Sci USA.** 2021 Aug 31;118(35):e2100784118. doi: 10.1073/pnas.2100784118.

Takeiwa T, Mitobe Y, Ikeda K, Hasegawa K, Horie K, Inoue S. Long Intergenic Noncoding RNA *OIN1* Promotes Ovarian Cancer Growth by Modulating Apoptosis-Related Gene Expression. **Int J Mol Sci.** 2021 Oct 18;22(20):11242. doi:10.3390/ijms222011242.

Kamada S, Ikeda K, Suzuki T, Sato W, Kitayama S, Kawakami S, Ichikawa T, Horie K, Inoue S. Clinicopathological and Preclinical Patient-Derived Model Studies Define High Expression of NRN1 as a Diagnostic and Therapeutic Target for Clear Cell Renal Cell Carcinoma. **Front Oncol.** 2021 Nov 3;11:758503. doi:10.3389/fonc.2021.758503.

Murayama T, Takeuchi Y, Yamawaki K, Natsume T, Li M, Marcela RN, Nishimura T, Kogure Y, Nakata A, Tominaga K, Sasahara A, Yano M, Ishikawa S, Ohta T, Ikeda K, Horie-Inoue K, Inoue S, Seki M, Suzuki Y, Sugano S, Enomoto T, Tanabe M, Tada KI, Kanemaki MT, Okamoto K, Tojo A, Gotoh N. MCM10 compensates for Myc-induced DNA replication stress in breast cancer stem-like cells. **Cancer Sci.** 2021 Mar;112(3):1209-1224. doi: 10.1111/cas.14776. Epub 2021 Jan 22. PMID: 33340428; PMCID: PMC7935783.