

Major Publications 2019

Ikeda K, Horie-Inoue K, Suzuki T, Hobo R, Nakasato N, Takeda S, Inoue S. Mitochondrial supercomplex assembly promotes breast and endometrial tumorigenesis by metabolic alterations and enhanced hypoxia tolerance. *Nat Commun.* 2019 Sep 11;10(1):4108. doi: 10.1038/s41467-019-12124-6. PMID: 31511525; PMCID: PMC6739376.

Mitobe Y, Ikeda K, Suzuki T, Takagi K, Kawabata H, Horie-Inoue K, Inoue S. ESR1-Stabilizing Long Noncoding RNA *TMPO-AS1* Promotes Hormone-Refractory Breast Cancer Progression. *Mol Cell Biol.* 2019 Nov 12;39(23):e00261-19. doi: 10.1128/MCB.00261-19. PMID: 31501276; PMCID: PMC6851347 & Cover.

Nagasawa S, Ikeda K, Horie-Inoue K, Sato S, Itakura A, Takeda S, Hasegawa K, Inoue S. Systematic Identification of Characteristic Genes of Ovarian Clear Cell Carcinoma Compared with High-Grade Serous Carcinoma Based on RNA-Sequencing. *Int J Mol Sci.* 2019 Sep 4;20(18):4330. doi: 10.3390/ijms20184330. PMID: 31487856; PMCID: PMC6770582.

Shiba S, Ikeda K, Suzuki T, Shintani D, Okamoto K, Horie-Inoue K, Hasegawa K, Inoue S. Hormonal Regulation of Patient-Derived Endometrial Cancer Stem-like Cells Generated by Three-Dimensional Culture. *Endocrinology.* 2019 Aug 1;160(8):1895-1906. doi: 10.1210/en.2019-00362. PMID: 31265065.

Namekawa T, Ikeda K, Horie-Inoue K, Suzuki T, Okamoto K, Ichikawa T, Yano A, Kawakami S, Inoue S. ALDH1A1 in patient-derived bladder cancer spheroids activates retinoic acid signaling leading to TUBB3 overexpression and tumor progression. *Int J Cancer.* 2020 Feb 15;146(4):1099-1113. doi: 10.1002/ijc.32505. Epub 2019 Jun 24. PMID: 31187490.

Iino K, Mitobe Y, Ikeda K, Takayama KI, Suzuki T, Kawabata H, Suzuki Y, Horie-Inoue K, Inoue S. RNA-binding protein NONO promotes breast cancer proliferation by post-transcriptional regulation of SKP2 and E2F8. *Cancer Sci.* 2020 Jan;111(1):148-159. doi: 10.1111/cas.14240. Epub 2019 Dec 11. PMID: 31733123; PMCID: PMC6942431.

Nagasawa S, Ikeda K, Horie-Inoue K, Sato S, Takeda S, Hasegawa K, Inoue S. Identification of novel mutations of ovarian cancer-related genes from RNA-sequencing data for Japanese epithelial ovarian cancer patients. *Endocr J.* 2020 Feb 28;67(2):219-229. doi: 10.1507/endocrj.EJ19-0283. Epub 2019 Nov 19. PMID:31748433.

Sone T, Shin M, Ouchi T, Sasanuma H, Miyamoto A, Ohte S, Tsukamoto S, Nakanishi M, Okano H, Katagiri T, Mitani K. Dual usage of a stage-specific fluorescent reporter system based on a helper-dependent adenoviral vector to visualize osteogenic differentiation. *Sci Rep.* 2019 Jul 4;9(1):9705. doi: 10.1038/s41598-019-46105-y. PMID: 31273280; PMCID: PMC6609771.