

## Major Publications 2021

Kitamura Y, Uranishi K, Hirasaki M, Nishimoto M, Suzuki A, Okuda A. Identification of germ cell-specific Mga variant mRNA that promotes meiosis via impediment of a non-canonical PRC1. *Sci Rep.* 2021 May 6;11(1):9737. doi:10.1038/s41598-021-89123-5. PMID: 33958653; PMCID: PMC8102552.

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Katagiri T, Tsukamoto S, Kuratani M. Accumulated knowledge of activin receptor-Like kinase 2 (ALK2)/activin A receptor, type 1 (ACVR1) as a target for human disorders. *Biomedicines.* 2021 Jun 26;9(7):736. doi:10.3390/biomedicines9070736. PMID: 34206903; PMCID: PMC8301367.

Yoneda R, Ueda N, Kurokawa R. m<sup>6</sup>A Modified Short RNA Fragments Inhibit Cytoplasmic TLS/FUS Aggregation Induced by Hyperosmotic Stress. *Int J Mol Sci.* 2021 Oct 12;22(20):11014. doi: 10.3390/ijms222011014. PMID: 34681673;PMCID: PMC8539258.

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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- $\kappa$ B signaling via PKC- $\epsilon$ /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 O/N1 Promotes Ovarian Cancer Growth by Modulating Apoptosis-Related Gene Expression. *Int J Mol Sci.* 2021

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