

Publications

Recent Publications

Dependency of NELF-E-SLUG-KAT2B epigenetic axis in breast cancer carcinogenesis.

Zhang J, Hu Z, Chung HH, Tian Y, Lau KW, Ser Z, Lim YT, Sobota, R, Leong HF, Chen B, Yeo CJ, Tan SYX, Kang J, Tan DEK, Sou IF, McClurg UL, Lakshmanan M, Vaiyapuri T, Raju A, Wong ESM, Tergaonkar V, Rajarethinam R, Pathak E, Tam WL, Tan EY, and Tee -Induced Cancer.

Tan SYX, Zhang J, Tee WW.

Sou IF, Pryce RM, Tee WW, McClurg UL.

Biochem J . 2021 Oct 29;478(20):3791-3805. doi: 10.1042/BCJ20210412.

Transposable Element Dynamics and Regulation during Zygotic Genome Activation in Mammalian Embryos and Embryonic Stem Cell Model Systems.

Low Y, Tan DEK, Hu Z, Tan SYX, Tee WW.

Stem Cells Int . 2021 Oct 15;2021:1624669. doi: 10.1155/2021/1624669. eCollection 2021.

Retinoic acid induces NELFA-mediated 2C-like state of mouse embryonic stem cells and associates with epigenetic modifications and metabolic processes in chemically defined media.

Wang Y, Na Q, Li X

Maternal factor NELFA drives a 2C-like state in mouse embryonic stem cells.

Hu Z, Tan DEK, Chia G, Tan H, Leong HF, Chen BJ, Lau MS, Tan KYS, Bi X, Tan SYX, Wu B, Bao S, Wong ESM, Tee WW.

Nat Cell Biol . 2020 Feb;22(2):175-186. doi: 10.1038/s41556-019-0453-8. Epub 2020 Feb 13.

Committing the primordial germ cell: An updated molecular perspective.

Tan H, Tee WW.

Wiley Interdiscip Rev Syst Biol Med . 2019 Jan;11(1):e1436. doi: 10.1002/wsbm.1436.
Epub 2018 Sep 17.

Enhancers and chromatin structures: regulatory hubs in gene expression and diseases.

Hu Z, Tee WW.

Biosci Rep . 2017 Apr 28;37(2):BSR20160183. doi: 10.1042/BSR20160183. Print 2017 Apr 30.

The chromatin remodeling factor CHD7 controls cerebellar development by regulating reelin expression.

Whittaker DE, Riegman KL, Kasah S, Mohan C, Yu T, Pijuan-Sala B, Hebaishi H, Caruso A, Marques AC, Michetti C, Smachetti ME, Shah A, Sabbioni M, Kulhanci O, Tee WW, Reinberg D, Scattoni ML, Volk H, McGonnell I, Wardle FC, Fernandes C, Basson MA. J Clin Invest . 2017 Mar 1;127(3):874-887. doi: 10.1172/JCI83408. Epub 2017 Feb 6.

Probing Chromatin Modifications in Response to ERK Signaling.

Oksuz O, Tee WW.

Methods Mol Biol . 2017;1487:289-301. doi: 10.1007/978-1-4939-6424-6_22.

Chromatin features and the epigenetic regulation of pluripotency states in ESCs.

Tee WW, Reinberg D.

Development . 2014 Jun;141(12):2376-90. doi: 10.1242/dev.096982.

Erk1/2 activity promotes chromatin features and RNAPII phosphorylation at developmental promoters in mouse ESCs.

Tee WW, Shen SS, Oksuz O, Narendra V, Reinberg D.

Cell . 2014 Feb 13;156(4):678-90. doi: 10.1016/j.cell.2014.01.009.

A double take on bivalent promoters.

Voigt P, Tee WW, Reinberg D.

Genes Dev. 2013 Jun 15;27(12):1318- (: (pr)-6 (o)10.5 (m)-5.9G27()-6 1 2.6 0 Tldaes G27(Tldaes G27(-i.

Germ line, stem cells, and epigenetic reprogramming.

Surani MA, Durcova-Hills G, Hajkova P, Hayashi K, Tee WW.

Cold Spring Harb Symp Quant Biol. 2008;73:9-15. doi: 10.1101/sqb.2008.73.015. Epub 2008 Nov 6.

The V260I mutation in fission yeast alpha-tubulin Atb2 affects microtubule dynamics and EB1-Mal3 localization and activates the Bub1 branch of the spindle checkpoint.

Asakawa K, Kume K, Kanai M, Goshima T, Miyahara K, Dhut S, Tee WW, Hirata D, Toda T.

Mol Biol Cell . 2006 Mar;17(3):1421-35. doi: 10.1091/mbc.e05-08-0802. Epub 2006 Jan 4.