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<b>Curriculum Vitae</b> * CV must be written in English
<p>Associate Professor — Sep 2014 ~ Present            Dept. Bio and Brain Engineering, Korea Advanced Institute of Science and Technology</p> <p>Assistant Professor — Oct 2009 ~ Aug 2014            Dept. Bio and Brain Engineering, Korea Advanced Institute of Science and Technology</p> <p>Principal Investigator — Jan 2010 ~ Dec 2012            Genome Institute of Singapore (Joint appointment)</p> <p>Research Professor / Instructor — Mar 2007 ~ Sep 2009            Yonsei Genome Institute, Yonsei University</p> <p>Research Scientist — Sep 2004 ~ Feb 2007            Korea Research Institute of Bioscience and Biotechnology</p> <p>Jung H, <u>Choi JK*</u>, Lee EA. Immune signatures correlate with L1 retrotransposition in gastrointestinal cancers. <b>Genome Res.</b> (in press)</p> <p>Sonn JY, Lee J, Sung MK, Ri H, <u>Choi JK</u>, Lim C, Choe J. Serine metabolism in the brain regulates starvation-induced sleep suppression in <i>Drosophila melanogaster</i>. <b>Proc. Natl. Acad. Sci.</b> 115, 7129-7134 (2018).</p> <p>Jung J, Jang K, Ju JM, Lee E, Lee JW, Kim HJ, Kim J, Lee SB, Ko BS, Son BH, Lee HJ, Gong G, Ahn SY, <u>Choi JK</u>, Singh SR, Chang S. Novel cancer gene variants and gene fusions of triple-negative breast cancers (TNBCs) reveal their molecular diversity conserved in the patient-derived xenograft (PDX) model. <b>Cancer Lett.</b> 428, 127-138 (2018).</p> <p>Lee KS, Chatterjee P, Choi EY, Sung MK, Oh J, Won H, Park SM, Kim YJ, Yi S, <u>Choi JK*</u>. Selection on the regulation of sympathetic nervous activity in humans and chimpanzees. <b>PLOS Genet.</b> 14, e1007311 (2018).</p> <p>Park SM, Choi EY, Bad M, <u>Choi JK</u>, Kim YJ. A long-range interactive DNA methylation marker panel for the promoters of HOXA9 and HOXA10 predicts survival in breast cancer patients. <b>Clin. Epigenetics</b> 9, 73 (2017).</p> <p>Lee K, Lee S, Bang H, <u>Choi JK*</u>. Predictive long-range allele-specific mapping of regulatory variants and target transcripts. <b>PLOS ONE</b> 12, e0175768 (2017).</p>



Jang K, Kim K, Cho A, Lee I, Choi JK\*. Network perturbation by recurrent regulatory variants in cancer. ***PLOS Comput. Biol.*** 13, e1005449 (2017).

Jung H, Yoo HY, Lee SH, Shin S, Kim SC, Lee S, Jong JG, Nam JY, Ryu D, Yun JW, Choi JK, Ghosh A, Kim KK, Kim SJ, Jim WS, Park WY, Ko YH. The mutational landscape of ocular marginal zone lymphoma identifies frequent alterations in TNFAIP3 followed by mutations in TBL1XR1 and CREBBP. ***Oncotarget*** 8, 17038-17049 (2017).

Yang W, Bang H, Jang K, Sung MK, Choi JK\*. Predicting the recurrence of noncoding regulatory mutations in cancer. ***BMC Bioinformatics*** 17, 492 (2016).

Kim K, Jang K, Yang W, Choi EY, Park SM, Bae M, Kim YJ, Choi JK\*. Chromatin structure-based prediction of recurring noncoding mutations in cancer. ***Nat. Genet.*** 48, 1321-1326 (2016).

Park SM, Choi EY, Bae M, Kim S, Park JB, Yoo H, Choi JK, Kim YJ, Lee SH, Kim IH. Histone variant H3F3A promotes lung cancer cell migration through intronic regulation. ***Nat. Commun.*** 7, 12914 (2016).

Choi EB, Yang AY, Kim SC, Lee J, Choi JK, Choi C, Kim MY. PARP1 enhances lung adenocarcinoma metastasis by novel mechanisms independent of DNA repair. ***Oncogene*** 35, 4569-4579 (2016).

Sung MK, Jang J, Lee KS, Ghim CM, Choi JK\*. Selected heterozygosity at *cis*-regulatory sequences increases the expression homogeneity of a cell population in humans. ***Genome Biol.*** 17, 164 (2016).

Bae MK, Kim JY, Choi JK\*. Frequent hypermethylation of orphan CpG islands with enhancer activity in cancer. ***BMC Med. Genomics*** 9 Suppl 1, 38 (2016).

Kim K, Lee K, Bang H, Kim JY, Choi JK\*. Intersection of genetics and epigenetics in monozygotic twin genomes. ***Methods*** 102, 50-56 (2016).