



CURRICULUM VITAE

Name	Jung Kyoony Choi	Country	Korea
Current Position	Associate Professor Department of Bio and Brain Engineering KAIST		

Educational Background		
2004	Ph.D.	KAIST
2000	MS	KAIST
1998	BS	KAIST

Professional Experience	
2009-present	Assistant/Associate Professor, Department of Bio and Brain Engineering, KAIST
2010-2012	Principal Investigator (Joint Appointment), Genome Institute of Singapore, Singapore
2007-2009	Research Professor, Yonsei University
2004-2007	Research Scientist, Korea Research Institute of Bioscience & Biotechnology

Professional Organizations
The Korean Cancer Association Korean Society for Bioinformatics

Main Scientific Publications
<ul style="list-style-type: none">• Matrix stiffness reversibly alters DNA methylation of mechanotransducer YAP in gastric cancer cells (<i>Nat. Biomed. Eng.</i> 2021) – corresponding• L1 retrotransposons exploit RNA m6A modification as an evolutionary driving force (<i>Nat. Commun.</i> 2021) - coauthor• Lineage-dependent gene expression programs influence the immune landscape of colorectal cancer (<i>Nat. Genet.</i> 2020) – coauthor• Predicting clinical benefit of immunotherapy by antigenic or functional mutations affecting tumour immunogenicity (<i>Nat. Commun.</i> 2020) – corresponding author

- DNA methylation loss promotes immune evasion of tumours with high mutation and copy number load (*Nat. Commun.* 2019) – corresponding author
- Chromatin structure-based prediction of recurrent noncoding mutations in cancer (*Nat. Genet.* 2016) – corresponding author
- Histone variant H3F3A promotes lung cancer cell migration through intronic regulation (*Nat. Commun.* 2016) – coauthor
- Intrinsic variability of gene expression encoded in nucleosome positioning sequences (*Nat. Genet.* 2009) – first author
- Epigenetic regulation and the variability of gene expression (*Nat. Genet.* 2008) – first author