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Major Field	Cancer Genomics, Informatics

Educational Background	
2003 - 2009	The Catholic University of Korea, Graduate School Ph.D. in Microbiology
2001 - 2003	The Catholic University of Korea, Graduate School M.S. in Microbiology
1994 - 2000	The Catholic University of Korea, College of Medicine, Seoul, Korea M.D. in Medicine

Professional Experience	
2013.3 - Present	Dept of Medical Informatics, The Catholic University of Korea Professor
2008.11 - 2012.12	Center for Biomedical Informatics, Harvard Medical School, Boston Research Associate (Postdoctoral Fellowship)
2007.5 - 2008.10	Dept of Microbiology, Catholic Medical College Research Instructor

Main Scientific Publications
1. Lee SH, Lee D, Choi J, Oh HJ, Ham IH, Ryu D, Lee SY, Han DJ, Kim S, Moon Y, Song IH, Song KY, Lee H, Lee S, Hur H, <u>Kim TM</u> . Spatial dissection of tumour microenvironments in gastric cancers reveals the immunosuppressive crosstalk between CCL2+ fibroblasts and STAT3-activated macrophages. <i>Gut</i> . 74:714, 2025
2. Kim KA, Kim S, Wortzel I, Lee S, Han YD, <u>Kim TM*</u> , Kim HS. (*co-correspondence) Genome-wide methylation profiling reveals extracellular vesicle DNA as an ex vivo surrogate of cancer cell-derived DNA. <i>Sci Rep</i> . 14:24110, 2024.
3. Han DJ, Kim S, Lee SY, Moon Y, Kang SJ, Yoo J, Jeong HY, Cho HJ, Jeon JY, Sim BC, Kim J, Lee S, Xi R, <u>Kim TM</u> . Evolutionary dependency of cancer mutations in gene pairs inferred by nonsynonymous-synonymous mutation ratios. <i>Genome Med</i> . 16:103, 2024
4. Kim S, Han DJ, Lee SY, Moon Y, Kang SJ, <u>Kim TM</u> . A Subset of Microsatellite Unstable Cancer Genomes Prone to Short Insertions over Deletions Is Associated with Elevated Anticancer Immunity. <i>Genes</i> , 15:770, 2024
5. Han DJ, Kim S, Lee SY, Kang SJ, Moon Y, Kim HS, Kim M and <u>Kim TM</u> . Cellular abundance-based prognostic model associated with deregulated gene expression of leukemic stem cells in acute myeloid leukemia. <i>Frontiers in Cell and Developmental Biology</i> , 2024 Feb 28, DOI 10.3389/fcell.2024.1345660