

Curriculum Vitae

Yeosik Kim

Associate Professor
Korea Advanced Institute of Science and Technology (KAIST)



● Educational Background & Professional Experience

2021–Present	Associate Professor, KAIST, Korea
2016–2021	Assistant Professor, KAIST, Korea
2011–2015	Postdoctoral researcher, Seoul National University, Korea
2006–2011	Ph.D, Princeton University, USA
2002–2006	B.E., Dartmouth College, USA

● Research Interests

Noncoding RNAs, Gene regulation, Innate immune response

● Selected Publications

1. Yoon J*, Lee M*, Ali AA, Oh YR, Choi YS, Kim S, Lee N, Jang SG, Park S, Chung J-H, Kwok S-K, Hyon JY, Cha S#, Lee YJ#, Im SG#, Kim Y#. Mitochondrial double-stranded RNAs as a pivotal mediator in the pathogenesis of Sjogren's syndrome. *Mol Ther Nucleic Acids* 30, 257–269 (2022).
2. Kim S*, Lee K*, Choi YS, Ku J, Kim H, Kharbush R, Yoon J, Lee YS, Kim JH, Lee YJ#, Kim Y#. Mitochondrial double-stranded RNAs govern the stress response in chondrocytes to promote osteoarthritis development. *Cell Rep* 40, 111178 (2022).
3. Kang M*, Kharbush R*, Byun JM*, Jeon J*, Ali AA, Ku D, Yoon J, Ku Y, Sohn J, Lee S-JV, Shin D-Y, Koh Y, Yoon S-S, Hong J#, Kim Y#. Double-stranded RNA induction as a potential dynamic biomarker for DNA-demethylating agents. *Mol Ther Nucleic Acids* 29, 370–383 (2022).
4. Y Ku*, Park J-H*, Cho R*, Lee Y, Park H-M, Kim M, Hur K, Byun SY, Liu J, Lee Y-S, Shum D, Shin D-Y, Koh Y, Cho J-Y, Yoon S-S, Hong J#, and Kim Y#. Noncanonical immune response to the inhibition of DNA methylation by Staufen1 via stabilization of endogenous retrovirus RNAs. *Proc Natl Acad Sci U S A*. 118, e2016289118 (2021).
5. Aldonza MD, Ku J, Hong JY, Kim D, Yu S, Lee MS, Prayogo M, Tan S, Kim D, Han J, Lee S, Im S, Ryu H, and Kim Y. Prior acquired resistance to paclitaxel relays diverse EGFR-targeted therapy persistence mechanisms. *Science Advances*. 6, eaav7416 (2020).