Stanford

Hyerim Yi

Basic Life Research Scientist, Pathology Sponsored Projects

Bio

ACADEMIC APPOINTMENTS

- Basic Life Research Scientist, Pathology Sponsored Projects

HONORS AND AWARDS

- Barbara Campbell Creighton Scholar-in-Training Award, American Association for Cancer Research (AACR) (2026)
- HHMI-LSRF postdoctoral fellowship, LSRF (Life Sciences Research Foundation) and HHMI (Howard Hughes Medical Institute) (2022)
- Best Ph.D. Thesis Award, Department of Biological Sciences, Seoul National University (2019)
- Young Investigator Award, ICKSMCB: International Conference, Korean Society for Molecular and Cellular Biology (2018)
- Young Investigator Award, KSMCB: Korean Society for Molecular and Cellular Biology (2015)

PROFESSIONAL EDUCATION

- Ph.D., Seoul National University , Biological Sciences (2019)
- B.S., Seoul National University , Biology education (2012)

Publications

PUBLICATIONS

- **Targeting extrachromosomal DNA in human cancers.** *Nature reviews. Drug discovery*
  Wong, I. T., Yi, H., Melillo, B., Cravatt, B. F., Chang, H. Y., Mischel, P. S.
  2026

- **EcDNA-borne structural variants drive oncogenic fusion transcript amplification.** *Cell*
  Yi, H., Zhang, S., Swinderman, J., Wang, Y., Kanakaveti, V., Hung, K. L., Tsz-Lo Wong, I., Srinivasan, S., Curtis, E. J., Bhargava-Shah, A., Li, R., Jones, M. G., Luebeck, et al
  2026

- **CoRAL accurately resolves extrachromosomal DNA genome structures with long-read sequencing.** *Genome research*
  Zhu, K., Jones, M. G., Luebeck, J., Bu, X., Yi, H., Huang, K. L., Wong, I. T., Zhang, S., Mischel, P. S., Chang, H., Bafna, V.
  2024

- **Short poly(A) tails are protected from deadenylation by the LARP1-PABP complex.** *Nature structural & molecular biology*
  Park, J., Kim, M., Yi, H., Baeg, K., Choi, Y., Lee, Y. S., Lim, J., Kim, V. N.
  2023

- **Coordinate regulation of the senescent state by selective autophagy.** *Developmental cell*
  Lee, Y., Kim, J., Kim, M., Kwon, Y., Shin, S., Yi, H., Kim, H., Chang, M. J., Chang, C. B., Kang, S., Kim, V. N., Kim, J., Kim, et al
  2021

- **PABP Cooperates with the CCR4-NOT Complex to Promote mRNA Deadenylation and Block Precocious Decay** *MOLECULAR CELL*
  Yi, H., Park, J., Ha, M., Lim, J., Chang, H., Kim, V.
  2018; 70 (6): 1081-+

- **Regulation of Poly(A) Tail and Translation during the Somatic Cell Cycle** *MOLECULAR CELL*
  Park, J., Yi, H., Kim, Y., Chang, H., Kim, V.
  2016; 62 (3): 462–71
- **PKR is activated by cellular dsRNAs during mitosis and acts as a mitotic regulator** *GENES & DEVELOPMENT*
  Kim, Y., Lee, J., Park, J., Cho, J., Yi, H., Kim, V.
  2014; 28 (12): 1310–22
- **The RNA-binding protein repertoire of embryonic stem cells** *NATURE STRUCTURAL & MOLECULAR BIOLOGY*
  Kwon, S., Yi, H., Eichelbaum, K., Foehr, S., Fischer, B., You, K., Castello, A., Krijgsveld, J., Hentze, M. W., Kim, V.
  2013; 20 (9): 1122-+