Stanford



Hyunje Kang

Postdoctoral Scholar, Chemical and Systems Biology

Bio

HONORS AND AWARDS

- Basic Science Research Program Fellowship, National Research Foundation of Korea (2021-2022)

STANFORD ADVISORS

- Karlene Cimprich, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Macrophage transcription factor TonEBP promotes systemic lupus erythematosus and kidney injury via damage-induced signaling pathways.** *Kidney international*
  Yoo, E. J., Oh, K. H., Piao, H., Kang, H. J., Jeong, G. W., Park, H., Lee, C. J., Ryu, H., Yang, S. H., Kim, M. G., Kim, D. K., Park, S. H., Lim, et al
  2023; 104 (1): 163-180
- **Thrap3 promotes R-loop resolution via interaction with methylated DDX5.** *Experimental & molecular medicine*
  Kang, H. J., Eom, H. J., Kim, H., Myung, K., Kwon, H. M., Choi, J. H.
  2021; 53 (10): 1602-1611
- **PARP1-mediated PARylation of TonEBP prevents R-loop-associated DNA damage.** *DNA repair*
  Ye, B. J., Kang, H. J., Lee-Kwon, W., Kwon, H. M., Choi, S. Y.
  2021; 104: 103132
- **TonEBP recognizes R-loops and initiates m6A RNA methylation for R-loop resolution.** *Nucleic acids research*
  Kang, H. J., Cheon, N. Y., Park, H., Jeong, G. W., Ye, B. J., Yoo, E. J., Lee, J. H., Hur, J. H., Lee, E. A., Kim, H., Lee, K. Y., Choi, S. Y., Lee-Kwon, et al
  2021; 49 (1): 269-284
- **TonEBP Promotes β-Cell Survival under ER Stress by Enhancing Autophagy.** *Cells*
  Kang, H. J., Yoo, E. J., Lee, H. H., An, S. M., Park, H., Lee-Kwon, W., Choi, S. Y., Kwon, H. M.
  2020; 9 (9)
- **TonEBP in dendritic cells mediates pro-inflammatory maturation and Th1/Th17 responses.** *Cell death & disease*
  Ye, B. J., Lee, H. H., Yoo, E. J., Lee, C. Y., Lee, J. H., Kang, H. J., Jeong, G. W., Park, H., Lee-Kwon, W., Choi, S. Y., Kwon, H. M.
  2020; 11 (6): 421
- **Transcriptional Regulator TonEBP Mediates Oxidative Damages in Ischemic Kidney Injury.** *Cells*
  Yoo, E. J., Lim, S. W., Kang, H. J., Park, H., Yoon, S., Nam, D., Sanada, S., Kwon, M. J., Lee-Kwon, W., Choi, S. Y., Kwon, H. M.
  2019; 8 (10)
- **TonEBP Regulates PCNA Polyubiquitination in Response to DNA Damage through Interaction with SHPRH and USP1.** *iScience*
  Kang, H. J., Park, H., Yoo, E. J., Lee, J. H., Choi, S. Y., Lee-Kwon, W., Lee, K. Y., Hur, J. H., Seo, J. K., Ra, J. S., Lee, E. A., Myung, K., Kwon, et al

2019; 19: 177-190

- **TonEBP/NFAT5 promotes obesity and insulin resistance by epigenetic suppression of white adipose tissue beiging.** *Nature communications*
  Lee, H. H., An, S. M., Ye, B. J., Lee, J. H., Yoo, E. J., Jeong, G. W., Kang, H. J., Alfadda, A. A., Lim, S. W., Park, J., Lee-Kwon, W., Kim, J. B., Choi, et al
  2019; 10 (1): 3536

- **TonEBP promotes chemoresistance and recurrence of hepatocellular carcinoma via DNA repair of cancer stem cells**
  Lee, J., Suh, J., Choi, S., Kang, H., Scharer, O. D., Park, N., Kwon, H.
  AMER ASSOC CANCER RESEARCH.2019

- **TonEBP Suppresses the HO-1 Gene by Blocking Recruitment of Nrf2 to Its Promoter.** *Frontiers in immunology*
  Yoo, E. J., Lee, H. H., Ye, B. J., Lee, J. H., Lee, C. Y., Kang, H. J., Jeong, G. W., Park, H., Lim, S. W., Lee-Kwon, W., Kwon, H. M., Choi, S. Y.
  2019; 10: 850