



## Seung Kuk Park

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### Bio

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#### STANFORD ADVISORS

- Steven Artandi, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Enhancer activation from transposable elements in extrachromosomal DNA.** *Nature cell biology*  
Kraft, K., Murphy, S. E., Jones, M. G., Shi, Q., Bhargava-Shah, A., Luong, C., Hung, K. L., He, B. J., Li, R., Park, S. K., Montgomery, M. T., Weiser, N. E., Wang, et al  
2025
- **Structural basis for the evolution of a domesticated group II intron-like reverse transcriptase to function in host cell DNA repair** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Park, S., Guo, M., Stamos, J. L., Kim, W., Lee, S., Zhang, Y., Lambowitz, A. M.  
2025; 122 (31): e2504208122
- **Mechanisms used for cDNA synthesis and site-specific integration of RNA into DNA genomes by a reverse transcriptase-Cas1 fusion protein.** *Science advances*  
Mohr, G., Yao, J., Park, S. K., Markham, L., Lambowitz, A. M.  
2024; 10 (15): eadk8791
- **Mechanisms used for cDNA synthesis and site-specific integration of RNA into DNA genomes by a reverse transcriptase-Cas1 fusion protein.** *bioRxiv : the preprint server for biology*  
Mohr, G., Yao, J., Park, S. K., Markham, L. M., Lambowitz, A. M.  
2023
- **Group II intron-like reverse transcriptases function in double-strand break repair.** *Cell*  
Park, S. K., Mohr, G., Yao, J., Russell, R., Lambowitz, A. M.  
2022; 185 (20): 3671-3688.e23