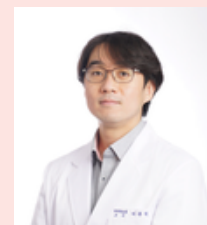


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Research Field(s) Chemical proteomics

Academic Career

B.S. 2005, POSTECH; Ph.D. 2009, New York University (advisor: Young-Tae Chang); Principal/Senior/Research Scientist 2010-2021, Korea Institute of Science and Technology; Associate Professor 2021-present, Korea University

Selected Publications

1. Aptamer and N-degron ensemble (AptaGron) as a target protein degradation strategy, Mazid M. F. A.; Shkel, O.; Ryu, E.; Kim, J.; Shin, K. H.; Kim, Y. K.; Lim, H. S.*; Lee, J. S.* ACS Chem. Biol., 2024, in press.
2. Disaggregation-Activated pan-COX Imaging Agents for Human Soft Tissue Sarcoma Hong, K. T.; Park S. B.; Murale, D. P.; Lee, J. H.; Hwang, J.; Jang, W. Y.*; Lee, J. S.* Angew. Chem. Int. Ed., 2024, 63 (24), e202405525
3. Orthogonally-Tunable and ER-Targeting Fluorophores Detect Avian Influenza Virus Early Infection Kang, T.; Haque, M. M.; Lee, B.; Hong, K. T.; Hong, S. C.; Kim, Y.; Lee, J.; Lee, J. S.*; Lee, D.* Nat. Commun., 2022, 13. 5841.
4. Discrimination of Avian Influenza Virus using Host-cell Infection Fingerprinting by Sulfinate-based Fluorescence Superoxide Probe. Hong, S. C.; Murale, D. P.; Jang, S. Y.; Haque, M. M.; Seo, M.; Lee, S.; Woo, D. H.; Kwon, J.; Song, C. S.; Kim, Y. K.; Lee, J. S.* Angew. Chem. Int. Ed., 2018, 57, 9716-9721.

Why My Lab?

My lab can offer advance chemoproteomics study.