Stanford

Wan Sang Cho

Postdoctoral Scholar, Genetics

Bio

HONORS AND AWARDS

- Global Ph.D. Fellowship, Ministry of Science & ICT, Republic of Korea (2016-2020)
- ICBS Poster Award, 6th Official Conference of the International Chemical Biology Society (2017)
- Poster Presentation Award, 118th Annual Meeting of Korean Chemical Society (2016)
- The National Scholarship for Science and Engineering, Korea Student Aid Foundation, Republic of Korea (2013-2014)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Seoul National University (2021)
- Bachelor of Science, Seoul National University (2015)
- Ph.D., Seoul National University , Chemistry (2021)
- B.S., Seoul National University , Biological Science (2015)
- B.S., Seoul National University , Chemistry (2015)

STANFORD ADVISORS

- Kyle Daniels, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Rational Design of Pyrido[3,2-b]indolizine as a Tunable Fluorescent Scaffold for Fluorogenic Bioimaging** *JACS AU*
  Yi, S., Kim, D., Cho, W., Lee, J., Kwon, J., Kim, J., Park, S.
  2024
- **STING upregulation strategies to potentiate STING immunotherapy.** *Future medicinal chemistry*
  Cho, W., Lee, J. H., Park, S. B.
  2023
- **Inflachromene attenuates seizure severity in mouse epilepsy models via inhibiting HMGB1 translocation.** *Acta pharmacologica Sinica*
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- **Targeted Protein Upregulation of STING for Boosting the Efficacy of Immunotherapy.** *Angewandte Chemie (International ed. in English)*
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- **S-Benproperine, an Active Stereoisomer of Benproperine, Suppresses Cancer Migration and Tumor Metastasis by Targeting ARPC2.** *Pharmaceuticals (Basel, Switzerland)*
  Jang, H. J., Yoon, Y. J., Choi, J., Lee, Y. J., Lee, S., Cho, W., Byun, W. G., Park, S. B., Han, D. C., Kwon, B. M.
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- **Phenotype-based discovery of a HeLa-specific cytotoxic molecule that downregulates HPV-mediated signaling pathways via oxidative damage.** *Organic & biomolecular chemistry*
  Lee, S., Cho, W., Hong, S., Yi, S., Kim, H., Baek, S. Y., Park, H., Jung, J., Shin, Y. K., Park, S. B.
  2019; 17 (31): 7388-7397
- **Monochromophoric Design Strategy for Tetrazine-Based Colorful Bioorthogonal Probes with a Single Fluorescent Core Skeleton.** *Journal of the American Chemical Society*
  Lee, Y., Cho, W., Sung, J., Kim, E., Park, S. B.
  2018; 140 (3): 974-983
- **Synthesis of 3,5-Disubstituted Isoxazoles Containing Privileged Substructures with a Diverse Display of Polar Surface Area.** *ACS combinatorial science*
  Kim, M., Hwang, Y. S., Cho, W., Park, S. B.
  2017; 19 (6): 407-413
- **Treatment of Sepsis Pathogenesis with High Mobility Group Box Protein 1-Regulating Anti-inflammatory Agents.** *Journal of medicinal chemistry*
  Cho, W., Koo, J. Y., Park, Y., Oh, K., Lee, S., Song, J. S., Bae, M. A., Lim, D., Lee, D. S., Park, S. B.
  2017; 60 (1): 170-179
- **BOIMPY: Fluorescent Boron Complexes with Tunable and Environment-Responsive Light-Emitting Properties** *Chemistry - A European Journal*
  Lee, B., Park, B., Cho, W., Lee, H., Olasz, A., Chen, C., Park, S., Lee, D.
  2016; 22 (48): 17321-17328
- **Diversity-oriented synthetic strategy for developing a chemical modulator of protein-protein interaction.** *Nature communications*
  Kim, J., Jung, J., Koo, J., Cho, W., Lee, W. S., Kim, C., Park, W., Park, S. B.
  2016; 7: 13196
- **A novel small-molecule agonist of PPAR-γ potentiates an anti-inflammatory M2 glial phenotype.** *Neuropharmacology*
  Song, G. J., Nam, Y., Jo, M., Jung, M., Koo, J. Y., Cho, W., Koh, M., Park, S. B., Suk, K.
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