Stanford

Jeyun Jo

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Dr. Jeyun Jo received his Pharm.D. from Pusan National University in 2016 and his Ph.D. in pharmacy at the same institution in 2021. His thesis studies focused on the first total synthesis of anmindenol A and optimization of 2-anilinopyrimidine-based selective inhibitors against triple-negative breast cancer cells. He then worked for one year as a senior research scientist at Chong Kun Dang, a leading pharmaceutical company in Korea, where he developed large-sacale synthetic processes for engineered peptides. In May 2022, he joined the Bogyo lab at Stanford University as a postdoctoral fellow. His current research focuses on developing highly selective inhibitors and activity-based probes targeting specific serine hydrolases in pathogenic bacteria and cancer.

STANFORD ADVISORS

- Matthew Bogyo, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Imaging of Staphylococcus aureus Infections and Biofilms Using a Selective Covalent Probe for the Unique Serine Hydrolase FphE.** *Angewandte Chemie (International ed. in English)*
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- **Unique structural and ligand-binding properties of the Staphylococcus aureus serine hydrolase FphE.** *Proceedings of the National Academy of Sciences of the United States of America*
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- **A pipeline for proteome-wide analysis of electrophile selectivity.** *Nature chemistry*
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- **Unique structural and ligand binding properties of the Staphylococcus aureus serine hydrolase FphE.** *bioRxiv : the preprint server for biology*
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- **A Novel Squaramide Derivative, HR-19011, Induces the Integrated Stress Response via the HRI-eIF2α-ATF4 Pathway, Effectively Inhibiting Hematologic Malignancies** *MOLECULAR CANCER THERAPEUTICS*
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- **An mRNA Display Approach for Covalent Targeting of a Staphylococcus aureus Virulence Factor.** *Journal of the American Chemical Society*

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- **Covalent-fragment screening identifies selective inhibitors of multiple Staphylococcus aureus serine hydrolases important for growth and biofilm formation.** *Research square*

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- **An mRNA Display Approach for Covalent Targeting of a Staphylococcus aureus Virulence Factor.** *bioRxiv : the preprint server for biology*

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- **AM-18002, a derivative of natural anmindenol A, enhances radiosensitivity in mouse breast cancer cells** *PLOS ONE*

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