

Stanford



Xinyu Liu

Postdoctoral Scholar, Chemistry

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Wisconsin Madison (2022)
- Bachelor of Arts, Macalester College , Applied Mathematics, Chemistry (2017)

STANFORD ADVISORS

- Lynette Cegelski, Postdoctoral Faculty Sponsor

LINKS

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Research & Scholarship

LAB AFFILIATIONS

- Lynette Cegelski (10/3/2022)

Publications

PUBLICATIONS

- **Vancomycin-Polyguanidino Dendrimer Conjugates Inhibit Growth of Antibiotic-Resistant Gram-Positive and Gram-Negative Bacteria and Eradicate Biofilm-Associated *S.aureus*.** *ACS infectious diseases*
Chosy, M. B., Sun, J., Rahn, H. P., Liu, X., Brčic, J., Wender, P. A., Cegelski, L.
2024
- **CPMAS NMR platform for direct compositional analysis of mycobacterial cell-wall complexes and whole cells.** *Journal of magnetic resonance open*
Liu, X., Brčić, J., Cassell, G. H., Cegelski, L.
2023; 16-17
- **Tailoring Reaction Selectivity by Modulating a Catalytic Diad on a Foldamer Scaffold (vol 144, pg 2225, 2022)** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
Andrews, M., Liu, X., Gellman, S. H.
2022; 144 (34): 15908
- **Structural and functional diversity among agonist-bound states of the GLP-1 receptor** *NATURE CHEMICAL BIOLOGY*
Cary, B. P., Deganutti, G., Zhao, P., Truong, T. T., Piper, S. J., Liu, X., Belousoff, M. J., Danev, R., Sexton, P. M., Wootten, D., Gellman, S. H.
2022; 18 (3): 256-+
- **Comparisons of beta-Hairpin Propensity Among Peptides with Homochiral or Heterochiral Strands** *CHEMBIOCHEM*

Liu, X., Gellman, S. H.

2021; 22 (18): 2772-2776

- **The role of beta-hairpin conformation in ester hydrolysis peptide catalysts based on a TrpZip scaffold** *RSC ADVANCES*

Liu, X., Waters, R., Gilbert, H. E., Barroso, G. T., Boyle, K. M., Witus, L. S.

2021; 11 (38): 23714-23718

- **Catalytic Intramolecular Conjugate Additions of Aldehyde-Derived Enamines to alpha,beta-Unsaturated Esters** *ORGANIC LETTERS*

Girvin, Z. C., Lampkin, P. P., Liu, X., Gellman, S. H.

2020; 22 (11): 4568-4573

- **Foldamer-templated catalysis of macrocycle formation** *SCIENCE*

Girvin, Z. C., Andrews, M., Liu, X., Gellman, S. H.

2019; 366 (6472): 1528-+

- **A colorimetric competitive displacement assay for the evaluation of catalytic peptides** *ORGANIC & BIOMOLECULAR CHEMISTRY*

Gest, A. M., Aguiluz, E. M., Mays, M. T., Liu, X., Neidhart, E. K., Witus, L. S.

2017; 15 (48): 10160-10163

- **Pre-monomer peptidomimetic synthesis using thiol-ene click chemistry**

Liu, X., Witus, L.

AMER CHEMICAL SOC.2017