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Ph.D. Student in Bioengineering, admitted Summer 2021

Publications

PUBLICATIONS

- **Steering Protein Generative Models at Test-Time for Guided AAV2 Capsid Design.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
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- **Efficient generation of epitope-targetedde novoantibodies with Germinal.** *bioRxiv : the preprint server for biology*
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2025
- **Enabling RNA-compatible synthetic receptors through RNA editing** *NATURE REVIEWS MOLECULAR CELL BIOLOGY*
Zhang, X., Mille-Fragoso, L. S.
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- **Post-transcriptional modular synthetic receptors.** *Nature chemical biology*
Zhang, X., Mille-Fragoso, L. S., Kaseniit, K. E., Lee, A. P., Zhang, M., Call, C. C., Hu, Y., Xie, Y., Gao, X. J.
2025
- **Sensitive bacterial Vm sensors revealed the excitability of bacterial Vm and its role in antibiotic tolerance.** *Proceedings of the National Academy of Sciences of the United States of America*
Jin, X., Zhang, X., Ding, X., Tian, T., Tseng, C. K., Luo, X., Chen, X., Lo, C. J., Leake, M. C., Bai, F.
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- **Multiplexed genome regulation in vivo with hyper-efficient Cas12a.** *Nature cell biology*
Guo, L. Y., Bian, J., Davis, A. E., Liu, P., Kempton, H. R., Zhang, X., Chemparathy, A., Gu, B., Lin, X., Rane, D. A., Xu, X., Jamiolkowski, R. M., Hu, et al
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- **Membraneless organelles formed by liquid-liquid phase separation increase bacterial fitness.** *Science advances*
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