

Kunming Shao

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EDUCATION

B.S. Purdue University, West Lafayette, IN

Major: Biological Engineering / Cellular and Biomolecular Engineering

Minor: Biotechnology

Ph.D Candidate Purdue University, West Lafayette, IN

PULSe Program - Computational and Systems Biology

PUBLICATIONS

Yan, B, Wang, C, Chakravorty, S, et al. A comprehensive single cell data analysis of lymphoblastoid cells reveals the role of super-enhancers in maintaining EBV latency. J Med Virol. 2022; 95:e28362. doi:10.1002/jmv.28362

Lu, Y.C., Varghese, A., Nahar, R., Chen, H., Shao, K., Bao, X., & Li, C. (2024). scChat: A Large Language Model-Powered Co-Pilot for Contextualized Single-Cell RNA Sequencing Analysis. bioRxiv. <https://doi.org/10.1101/2024.10.01.616063>

RESEARCH EXPERIENCE

- **Graduate Research Assistant.**

Dr. Qing Deng's lab, Department of Biological Science

April 2023 – Present

Working on optimize CAR-iNeutrophils for Immunotherapy

- **Undergraduate Research Assistant.**

Dr. Majid Kazemian's lab, Department of Biochemistry and computer science.

August 2019 – Dec 2022

Working on novel noncoding RNA in Immune system

ACTIVITIES

- Members of Purdue University Graduate Chinese Association (PUGCA)

August 2022 - Present

HONORS AND AWARDS

- Recipient of the 2021-2022 Lynn Fellowship 2022
- Recipient of the 2021-2022 Ladisch ABE Scholarship 2021
- Recipient of the 2020-2021 Alumni & Friends of ABE Scholarship 2020
- Purdue Soybean Innovation Competition Award 2020
- Dean's List and Semester Honors, College of Engineering 2018 - 2021

SKILLS

- Computational: Adept working in cluster: Slurm, MATLAB, Python, Macro, R, Analysis of RNA-seq, ChIP-seq, Single-cell RNA-seq, TensorFlow, PyTorch
- Biology: Adept in molecular clone, qRT-PCR, Western blot, Flow cytometry, Stem cell differentiation, In vitro cell biology experiments