

## Sheng Yao Dai

Postdoctoral Scholar, Molecular Imaging Program at Stanford

### Bio

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#### STANFORD ADVISORS

- Jianghong Rao, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Mycobacteriophage Functionalized Magnetic Nanocrystal Clusters for Highly Sensitive and Rapid Detection of Mycobacterium tuberculosis.** *JACS Au*  
Xiao, Z., Yen, C., Wang, T., Ibrahim, J., Fu, Q., Dai, S. Y., Hajfathalian, M., Murugesan, K., Banaei, N., Bogyo, M., Rao, J.  
2025; 5 (12): 6100-6111
- **Mycobacteriophage Functionalized Magnetic Nanocrystal Clusters for Highly Sensitive and Rapid Detection of Mycobacterium tuberculosis** *JACS AU*  
Xiao, Z., Yen, C., Wang, T., Ibrahim, J., Fu, Q., Dai, S., Hajfathalian, M., Murugesan, K., Banaei, N., Bogyo, M., Rao, J.  
2025
- **B7-H4 ImmunPET Imaging Tracks Tumor-Associated Macrophage Changes in Prostate Cancer.** *Molecular pharmaceutics*  
Kumar, M., Singh, S. B., Vasylyv, I., Habte, F., Kalita, M., Alam, I. S., Koladiya, A., Dai, S. Y., James, M., Rao, J., Beziere, N., Daldrup-Link, H. E.  
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- **Light-Controlled Intracellular Synthesis of Poly(luciferin) Polymers Induces Cell Paraptosis.** *Journal of the American Chemical Society*  
Dai, S., Xiao, Z., Shen, F., Lim, I., Rao, J.  
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- **Multiparameter Longitudinal Imaging of Immune Cell Activity in Chimeric Antigen Receptor T Cell and Checkpoint Blockade Therapies.** *ACS central science*  
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2022; 8 (5): 590-602
- **A Sm(II)-Mediated Cascade Approach to Dibenzoindolo[3,2-*b*]carbazoles: Synthesis and Evaluation** *ORGANIC LETTERS*  
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